All relevant financial relationships have been mitigated

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Azuma, Chinatsu .......................... Disclosed no conflict of interest.
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Baar, Keith ............................... Disclosed no conflict of interest.
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Babul, Cecil .............................. Disclosed no conflict of interest.
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Bacevich, Blake ........................... Disclosed no conflict of interest.
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Baht, Gurpreet……………………………………Disclosed no conflict of interest.
Bai, Shanshan ……………………………Disclosed no conflict of interest.
Baidya, Joydeep…………………………Disclosed no conflict of interest.
Baig, Walee M ……………………………Disclosed no conflict of interest.
Bailey, Jeannie…………………………Disclosed no conflict of interest.
Bailey, Jeannie F …………………………………………3B: Hinge Health; 4: Bioniks.
Bailey, Stacyann ……………………………Disclosed no conflict of interest.
Bain, Steven D. ……………………………Disclosed no conflict of interest.
Baird, Samuel G ……………………………Disclosed no conflict of interest.
Bais, Manish ……………………………Disclosed no conflict of interest.
Baitner, Miriam ……………………………Disclosed no conflict of interest.
Bajaj, Pranav M ……………………………Disclosed no conflict of interest.
Bajoury, Zabi…………………………Disclosed no conflict of interest.
Bajpayee, Ambika ……………………………Disclosed no conflict of interest.
Bajpayee, Ambika G ……………………………Disclosed no conflict of interest.
Baker, Alexander ……………………………Disclosed no conflict of interest.
Baker, Andrew ……………………………1: Viscus Biologics.
Baker, Brendon ……………………………Disclosed no conflict of interest.
Baker, Daniel L ……………………………Disclosed no conflict of interest.
Baker, Seth C ……………………………Disclosed no conflict of interest.
Bal, Zeynep ……………………………Disclosed no conflict of interest.
Balachandran, Neha ……………………………Disclosed no conflict of interest.
Balanta Melo, Julian ……………………………Disclosed no conflict of interest.
Balasubramanian, Sriram ……………………………Disclosed no conflict of interest.
Baldessarri, Ilaria ……………………………Disclosed no conflict of interest.
Baldessar Fava, Enrico ……………………………Disclosed no conflict of interest.
Baldini, Nicola ……………………………Disclosed no conflict of interest.
Baldini, Tony .........................Disclosed no conflict of interest.
Baldwin, Avionna ....................Disclosed no conflict of interest.
Balic, Zerina ..........................Disclosed no conflict of interest.
Balkissoon, Rishi ....................Disclosed no conflict of interest.
Ball, Derek .........................Disclosed no conflict of interest.
Ball, Hope ............................Disclosed no conflict of interest.
Ball, Jacob ............................Disclosed no conflict of interest.
Ball, Jacob R ..........................Disclosed no conflict of interest.

Balmayor, Elizabeth ..................8: Section Editor EJMR, Associate Editor Frontiers, Specialty Editor Bone & Joint Research, Treasurer Executive Board TERMIS EU; 9: Chair of DEI in the E-ORS Board.

Balmayor, Elizabeth ..................8: Section Editor EJMR, Associate Editor Frontiers, Speciality Editor Bone & Joint Research; 9: treasurer executive board of TERMIS EU, Chair of DEI E-ORS board.
Balmayor, Elizabeth ..................8: Section Editor EJMR, Associate Editor Frontiers, Speciality Editor Bone & Joint Research; 9: treasurer executive board of TERMIS EU, Chair of DEI E-ORS board.

Balouch, Auden .......................Disclosed no conflict of interest.
Balu, Abhi .............................Disclosed no conflict of interest.
Bandara, Danushka ..................Disclosed no conflict of interest.

Bandeira Neto, Antonio Fernandes ...Disclosed no conflict of interest.


Bandyopadhyay, Shovik ..............Disclosed no conflict of interest.

Banffy, Michael B ....................2: Arthrex, Vericel, Smith and Nephew, Stryker; 3B: Arthrex, Vericel, Smith and Nephew.

Banger, Matthew .....................Disclosed no conflict of interest.
Bangsboll, Emily ....................Disclosed no conflict of interest.
Banks, Scott .........................Disclosed no conflict of interest.
Banoub, Mariam ......................Disclosed no conflict of interest.
Bansal, Sachi .........................Disclosed no conflict of interest.
Bansal, Sonia .........................9: ORS.

Bansback, Nick .......................Disclosed no conflict of interest.
Baral, Elexis C .......................Disclosed no conflict of interest.
Barankevich, Marina ................Disclosed no conflict of interest.
Barati, Zahra .........................3A: Employee at Reata Pharmaceuticals.
Baratz, Mark E. ..........................9: Ruth Jackson Orthopaedic Society: Board or committee member.

Barazandeh, Aida Feiz ..................Disclosed no conflict of interest.

Barba, Mark ..............................Disclosed no conflict of interest.

Barbanchan Mansur, Nacime Salomao 9: American Orthopedic Foot and Ankle Society.

Barbanti Brodano, Giovanni ....Disclosed no conflict of interest.

Barbe, Mary ..............................Disclosed no conflict of interest.

Barber, Lauren ..........................Disclosed no conflict of interest.

Barber, Lauren A. ......................Disclosed no conflict of interest.

Baretto, David .........................Disclosed no conflict of interest.

Barhosue, Patrick ......................Disclosed no conflict of interest.

Barhouse, Patrick ......................Disclosed no conflict of interest.

Baria, Michael .........................Disclosed no conflict of interest.

Barker, Anna ..............................Disclosed no conflict of interest.

Barker, Tyler ..............................Disclosed no conflict of interest.

Barkhoff, Roland .......................Disclosed no conflict of interest.

Barman, Ishan ..........................Disclosed no conflict of interest.

Barnes, Betsy ............................Disclosed no conflict of interest.

Barnes, Dominique ......................Disclosed no conflict of interest.

Barnes, Dominique A...............Disclosed no conflict of interest.

Barnet, Isabel R .........................Disclosed no conflict of interest.

Barnett, Evie C .........................Disclosed no conflict of interest.

Barron, Max ..............................Disclosed no conflict of interest.

Barrasa Fano, Jorge ...................Disclosed no conflict of interest.

Barraza, Anabel .........................Disclosed no conflict of interest.

Barrere, Victor .........................Disclosed no conflict of interest.

Barreto, David .........................Disclosed no conflict of interest.

Barrett, Caitlin .........................Disclosed no conflict of interest.

Barrett, Rod ..............................Disclosed no conflict of interest.

Barrientos De Renshaw, Tomasa Disclosed no conflict of interest.

Bartlett, Kenna .........................Disclosed no conflict of interest.
Bartley, Jenna M .................. disclosed no conflict of interest.
Bartman, Daniel .................. disclosed no conflict of interest.
Barton, Shane .................... disclosed no conflict of interest.
Barzan, Martina .................. disclosed no conflict of interest.
Barzilay, Yair .................... disclosed no conflict of interest.
Basbaum, Allan .................. disclosed no conflict of interest.
Basinou, Vaso .................... 3A: full time employee at Bactiguard.
Baskin, Kedryn K ................ disclosed no conflict of interest.
Basta, Anthony V ................ disclosed no conflict of interest.
Bastepe, Murat .................. disclosed no conflict of interest.
Bates, Caleigh .................. disclosed no conflict of interest.
Battina, Hanisha L .............. disclosed no conflict of interest.
Bauer, Brendon .................. disclosed no conflict of interest.
Bauer, Christoph ................ disclosed no conflict of interest.
Bauer, Thomas W ............... disclosed no conflict of interest.
Baumann, Abigail ............... disclosed no conflict of interest.
Baumann, Abigail F ............. disclosed no conflict of interest.
Baumann, Anthony N .......... disclosed no conflict of interest.
Baumann, John .................. disclosed no conflict of interest.
Baumann, John R ............... disclosed no conflict of interest.
Baun, Dominic .................. disclosed no conflict of interest.
Baur, Alexander ................ disclosed no conflict of interest.
Bautista, Catherine ............ disclosed no conflict of interest.
Bavaro, Nicholas ............... disclosed no conflict of interest.
Baxter, Josh ..................... disclosed no conflict of interest.
Baxter, Josh R .................. disclosed no conflict of interest.
Barters-Thering, Mary .......... disclosed no conflict of interest.
Baynard, Taurean G ............ disclosed no conflict of interest.
Bazel, Tomasz .................. 3A: paid employee of Stryker.
Beals, Corey

Beals, Timothy C

Beals, Timothy C

Beaule, Paul

Beaule, Paul

Beaule, Paul

Beaule, Paul

Becerra, Jacob A

Beck, Christopher A

Becker, Luis

Beda, Nathan

Bedair, Hany

Bedair, Hany S

Bedard, Thomas A

Bedi, Asheesh

Bedi, Asheesh

Behera, Jyotirmaya

Behfar, Atta

Behnam, Yashar

Beals, Corey

Beals, Timothy C

Beals, Timothy C

Beaule, Paul

Beaule, Paul

Beaule, Paul

Beaule, Paul

Becerra, Jacob A

Beck, Christopher A

Becker, Luis

Beda, Nathan

Bedair, Hany

Bedair, Hany S

Bedard, Thomas A

Bedi, Asheesh

Bedi, Asheesh

Behera, Jyotirmaya

Behfar, Atta

Behnam, Yashar

*Disclosure of interest.*
Behnam, Yashar A .......................... Disclosed no conflict of interest.
Behrens, Andrew .......................... Disclosed no conflict of interest.
Behrman, Emma C .......................... Disclosed no conflict of interest.
Behzad, Ramina ............................. Disclosed no conflict of interest.
Behzadpour, Vafa .......................... Disclosed no conflict of interest.
Beitler, Brian ............................... Disclosed no conflict of interest.
Belacic, Zarah ............................... Disclosed no conflict of interest.
Belali, Simin ............................... Disclosed no conflict of interest.
Belay, Elshaday S .......................... Disclosed no conflict of interest.
Belingheri, Marcus .......................... Disclosed no conflict of interest.
Belio, Mark ................................. Disclosed no conflict of interest.
Bell, Bryce R ............................... Disclosed no conflict of interest.
Bell, John-Erik ............................. 3B: Medacta, Zimmer; 4: Shoulder Jam.
Bell, Katheryn ............................. Disclosed no conflict of interest.
Bell, Kevin .................................. 1: elizur.
Bell, Rebecca .............................. Disclosed no conflict of interest.
Bell, Richard ............................... Disclosed no conflict of interest.
Bell, Richard D ............................. Disclosed no conflict of interest.
Bell-Hensley, Austin ........................ Disclosed no conflict of interest.
Bellissimo-Meade, Dylan .................... Disclosed no conflict of interest.
Benavente, Luis Ponce ..................... Disclosed no conflict of interest.
Benedict, Christian ......................... Disclosed no conflict of interest.
Benevides, Pedro C ......................... Disclosed no conflict of interest.
Benna, Jacob ............................... Disclosed no conflict of interest.
Benna, Jacob C ............................. Disclosed no conflict of interest.
Benner, Moritz .............................. Disclosed no conflict of interest.
Benoit, Danielle ............................ Disclosed no conflict of interest.
Benoit, Danielle S. W ........................ Disclosed no conflict of interest.
Benoit, Lora .................................. Disclosed no conflict of interest.
Benson, Austin ............................. Disclosed no conflict of interest.
Benson, Elizabeth M Disclosed no conflict of interest.
Bensreti, Husam Eldin Disclosed no conflict of interest.
Bentley, Timothy Disclosed no conflict of interest.
Ben-Yehuda Greenwald, Maya Disclosed no conflict of interest.
Benz, Karin 3A: TETEC AG.
Berardi, Madison Disclosed no conflict of interest.
Bercaw, Jefferson Disclosed no conflict of interest.
Berg, Jonathan I Disclosed no conflict of interest.
Berger, Andrew Disclosed no conflict of interest.
Bergholt, Mads Disclosed no conflict of interest.
Bergholt, Mads S Disclosed no conflict of interest.
Bergstrom, Annika Disclosed no conflict of interest.
Bergstrom, Annika R Disclosed no conflict of interest.
Berlew, Erin E Disclosed no conflict of interest.
Bernardi, Matteo Disclosed no conflict of interest.
Bernhard, Matthew Disclosed no conflict of interest.
Bernholt, David Disclosed no conflict of interest.
Berns, Ellis Disclosed no conflict of interest.
Bernthal, Nicholas Disclosed no conflict of interest.
Bernthal, Nicholas M 3B: Biomet, Daichi Sankyo, Deciphera, Onkos; 5: Trellis, Zimmer; 9: Orthopaedic Research and Education Foundation.
Berry, David Disclosed no conflict of interest.
Berry, David B Disclosed no conflict of interest.

Bertone, Peter M..................................Disclosed no conflict of interest.

Berto, Lauren J...............................Disclosed no conflict of interest.

Bertram, Ken..................................Disclosed no conflict of interest.

Bertrand, David ..............................Disclosed no conflict of interest.

Bertrand, David T .............................Disclosed no conflict of interest.

Berube, Erin .................................Disclosed no conflict of interest.

Berube, Erin E ...............................Disclosed no conflict of interest.

Berven, Sigurd ...............................Disclosed no conflict of interest.

Berven, Sigurd H.........................Disclosed no conflict of interest.

Besier, Thor .................................3B: FormusLabs, IMeasureU.

Bessot, Agathe...............................Disclosed no conflict of interest.

Best, Thomas ...............................Disclosed no conflict of interest.

Best, Thomas M.............................Disclosed no conflict of interest.

Best, Thomas M............................Disclosed no conflict of interest.

Betsch, Marcel..............................Disclosed no conflict of interest.

Bettencourt, Jacob..........................Disclosed no conflict of interest.

Bettencourt, Jacob W........................Disclosed no conflict of interest.

Bettencourt, Nicholas.....................Disclosed no conflict of interest.

Betts, Rebecca .............................Disclosed no conflict of interest.

Beveridge, Jillian............................Disclosed no conflict of interest.

Beveridge, Jillian E.........................Disclosed no conflict of interest.

Bewersdorf, Tim ............................Disclosed no conflict of interest.

Bewersdorf, Tim N.........................Disclosed no conflict of interest.

Beynnon, Bruce .............................Disclosed no conflict of interest.

Bhadouria, Neharika.......................Disclosed no conflict of interest.

Bhandutia, Amit ............................Disclosed no conflict of interest.

Bhat, Sandesh G............................Disclosed no conflict of interest.

Bhattaram, Pallavi..........................Disclosed no conflict of interest.
Bhimani, Rohat Disclosed no conflict of interest.
Bhimani, Rohat B Disclosed no conflict of interest.
Bhowmik-Stoker, Manoshi 3A: Stryker; 4: Stryker.
Biały, Maciej Disclosed no conflict of interest.
Białaszewski, Ryan Disclosed no conflict of interest.
Białaszewski, Ryan P Disclosed no conflict of interest.
Bian, Fangzhou Disclosed no conflict of interest.
Bian, Liming Disclosed no conflict of interest.
Bido, Jennifer Disclosed no conflict of interest.
Biegger, Matthew Disclosed no conflict of interest.
Bielajew, Benjamin Disclosed no conflict of interest.
Bien, Tanja 6: Aesculap AG Tuttlingen, Germany.
Bienenstock, Raphael Disclosed no conflict of interest.
Biggs, Amy Disclosed no conflict of interest.
Biggs, Amy E Disclosed no conflict of interest.
Billeau, Jean-Baptiste Disclosed no conflict of interest.
Billings, Caroline Disclosed no conflict of interest.
Billington, Emma Disclosed no conflict of interest.
Binder-Markey, Benjamin I Disclosed no conflict of interest.
Birch, Craig M Disclosed no conflict of interest.
Bird, Alyssa Disclosed no conflict of interest.
Bird, Justin E Disclosed no conflict of interest.
Birk, David E Disclosed no conflict of interest.
Birks, Scott Disclosed no conflict of interest.
Birnbrich, Alysa Disclosed no conflict of interest.
Bischoff, Caleb ........................... Disclosed no conflict of interest.
Bischoff, Jeff ............................ 3A: Zimmer Biomet; 4: Zimmer Biomet; 9: ORS.
Bishop, Julius ............................ Disclosed no conflict of interest.
Bissette, Randall .......................... Disclosed no conflict of interest.
Bisson, Leslie ............................. Disclosed no conflict of interest.
Bita, Dan ................................. Disclosed no conflict of interest.
Bitolas, Rochelle .......................... Disclosed no conflict of interest.
Bitter, Thom ............................... Disclosed no conflict of interest.
Bitzer, Alex ............................... Disclosed no conflict of interest.
Bixel, M. Gabriele .......................... Disclosed no conflict of interest.
Bjornsen, Elizabeth ........................ Disclosed no conflict of interest.
Blaber, Elizabeth .......................... Disclosed no conflict of interest.
Blackburn, Troy ........................... Disclosed no conflict of interest.
Blackford, Emily ........................... Disclosed no conflict of interest.
Blaisdell, Brooke S .......................... Disclosed no conflict of interest.
Blanch, Tyler E ............................. Disclosed no conflict of interest.
Blanco, John ............................... Disclosed no conflict of interest.
Blank, Jonathon ........................... Disclosed no conflict of interest.
Blessinger, Kathryn ........................ Disclosed no conflict of interest.
Bliven, Emily K .............................. Disclosed no conflict of interest.
Blobel, Carl P. .............................. Disclosed no conflict of interest.
Block, Kai Tobias .......................... Disclosed no conflict of interest.
Blocker, Stephanie J ........................ Disclosed no conflict of interest.
Blomquist, Matthew ........................ Disclosed no conflict of interest.
Bloom, Philip .............................. 4: Paradigm Biopharmaceuticals Ltd; 5: Paradigm Biopharmaceuticals Ltd.
Blosser, Rachel J .......................... Disclosed no conflict of interest.
Blough, Christian .......................... Disclosed no conflict of interest.
Blumenkrantz, Maria. Disclosed no conflict of interest.
Blunn, Gordon. Disclosed no conflict of interest.
Boadi, Blake. Disclosed no conflict of interest.
Boakye, Lorraine A.T. Disclosed no conflict of interest.
Boatemaa, Priscilla. Disclosed no conflict of interest.
Bock, Nathalie. Disclosed no conflict of interest.
Boden, Lauren M. Disclosed no conflict of interest.
Boden, Scott D. Disclosed no conflict of interest.
Boden, Stephanie A. Disclosed no conflict of interest.
Boden, Susanne H. Disclosed no conflict of interest.
Boehm, Harald. Disclosed no conflict of interest.
Boerckel, Joel. Disclosed no conflict of interest.
Boerckel, Joel D. Disclosed no conflict of interest.
Boerckel, Joel D. Disclosed no conflict of interest.
Bogdonoff, Yvon M. Disclosed no conflict of interest.
Boghani, Faizan. Disclosed no conflict of interest.
Bogner, Savannah J. Disclosed no conflict of interest.
Bohl, Daniel. Disclosed no conflict of interest.
Bohner, Marc. Disclosed no conflict of interest.
Boi, Marco. Disclosed no conflict of interest.
Bok, Seoyeon. Disclosed no conflict of interest.
Bokhari, Rakan. Disclosed no conflict of interest.
Bolander, Johanna. Disclosed no conflict of interest.
Bollag, Wendy. Disclosed no conflict of interest.
Bollavaram, Keval. Disclosed no conflict of interest.
Bollhalder, Maja. Disclosed no conflict of interest.
Bomar, James D. Disclosed no conflict of interest.
Bomfim, Fernando. Disclosed no conflict of interest.
Bonassar, Lawrence. 3A: Co-Founder of 3DBio; 3B: Nucleus ProVets.
Bonassar, Lawrence. 4: 3D Bio Corp.
Bonassar, Lawrence..........................3B: Nucleus ProVets LLC.
Bonassar, Lawrence J..........................3B: 3DBio Corp.
Bond, Gabriella................................Disclosed no conflict of interest.
Bond, Madeline ...................................3A: Smith & Nephew; 4: Smith & Nephew.
Bonelli, Hannah M..........................Disclosed no conflict of interest.
Bonfield, Tracey................................Disclosed no conflict of interest.
Bonfini, Rachel................................Disclosed no conflict of interest.
Bonilla, Andres ..................................4: CytexOrtho, Inc.
Bonithon, Roxane ................................Disclosed no conflict of interest.
Bonnheim, Noah B................................Disclosed no conflict of interest.
Bonnheim, Noah B................................Disclosed no conflict of interest.
Bonvillain, Kirby ................................Disclosed no conflict of interest.
Boone, Connor.................................Disclosed no conflict of interest.
Boot, Miriam..................................Disclosed no conflict of interest.
Borchard, Seth..................................Disclosed no conflict of interest.
Borden, Timothy C..........................Disclosed no conflict of interest.
Bordignon, Glaucia..........................Disclosed no conflict of interest.
Borges, Lawrence F..........................Disclosed no conflict of interest.
Borgia, Jeffrey A..............................Disclosed no conflict of interest.
Born, Christopher..........................4: Stock in Biointraface, Inc.; Owns equity in BI Medical, LLC.
Born, Christopher..........................4: Owns stock in Biointraface, Inc., owns equity in BI Medical, LLC.
Born, Christopher..........................4: Dr. Christopher Born owns stock in Biointraface, Inc. and owns equity in BI Medical, LLC.
Born, Christopher T..........................4: C.B. holds equity in BI Medical, LLC, C.B. is a stockholder in BioIntraface.
Borrelli, Joseph................................Disclosed no conflict of interest.
Borsinger, Tracy..............................Disclosed no conflict of interest.
Boschetto, Francesco..........................Disclosed no conflict of interest.
Bosch-Vuononen, Will  Disclosed no conflict of interest.
Bose, Vijay C  Disclosed no conflict of interest.
Bosek, David W  Disclosed no conflict of interest.
Bosh, Kyla B  Disclosed no conflict of interest.
Boston, Zachary  Disclosed no conflict of interest.


Bostrom, Mathias  3B: Smith & Nephew.

Bothun, Cole E  Disclosed no conflict of interest.

Botros, Mina  Disclosed no conflict of interest.

Bourantas, Christina A  Disclosed no conflict of interest.

Bouret, Laura  Disclosed no conflict of interest.

Bourne, Lucie E  Disclosed no conflict of interest.

Bousleiman, Jamie J  Disclosed no conflict of interest.

Boutelle, Kelly  Disclosed no conflict of interest.

Boutelle, Kelly E  Disclosed no conflict of interest.

Bouwman, Freek G  Disclosed no conflict of interest.


Bouxsein, Mary L  9: ASBMR.

Bowd, Jake  Disclosed no conflict of interest.

Bowden, Anton  4: Nexus TDR, Sensable Technologies; 5: Healix, 33 Medical; 8: Journal of Biomechanical Engineering.

Bowden, Anton E  4: Nexus TDR, Sensable Technologies; 5: Healix, 33 Medical; 8: Journal of Biomechanical Engineering.

Bowden, Jennifer A  Disclosed no conflict of interest.

Bowen, Edward  Disclosed no conflict of interest.

Bowen, Grace  Disclosed no conflict of interest.

Bowers, Kristin  Disclosed no conflict of interest.

Bowles, Robert  Disclosed no conflict of interest.

Bowles-Welch, Annie  Disclosed no conflict of interest.
Bown, Melissa

Boyajieff, Emma

Boyan, Barbara

Boyan, Barbara D

Boyce, Brendan

Boyer, Katherine A

Boyer, Timothy

Boyer, Timothy L

Boyes, Madeline

Boyes, Madeline S

Boymans, Tim

Boymans, Tim A

Bozynski, Chantelle

Bozynski, Chantelle C

Brachvogel, Bent

Bracken, Shirley

Brackin, Riley B

Bradley, Elizabeth

Bradley, Elizabeth W

Bradley, Elizabeth W.

Bradley, Evan

Bradley, Evan M.

Bradley, Joseph

Bradley, Patrick X.

Brady, Alex

Brady, Alex W

Brady, Alex W.

Bragdon, Beth
Brahmachary, Priyanka Disclosed no conflict of interest.

Brahmachary, Priyanka P Disclosed no conflict of interest. 4: Dr. Brahmachary owns stock in OpenBioWorks which was not involved in this study.

Brama, Pieter Disclosed no conflict of interest.

Braman, Michael Disclosed no conflict of interest.

Bramian, Allen Disclosed no conflict of interest.

Brancati, Ross Disclosed no conflict of interest.

Branch, Daniel A Disclosed no conflict of interest.

Brand, David Disclosed no conflict of interest.

Brandi Whitaker, Brandi Whitaker Disclosed no conflict of interest.

Bratton, Matthew Disclosed no conflict of interest.

Braxton, Lauryn A Disclosed no conflict of interest.

Brecount, Hogan Disclosed no conflict of interest.

Breighner, Ryan 3B: Stryker Corporation.

Breker, Anika N Disclosed no conflict of interest.

Bremner, Shannon N Disclosed no conflict of interest.

Brendle, Saskia A 3A: Aesculap AG.

Brenner, Madison Disclosed no conflict of interest.

Brentlinger, Grace Disclosed no conflict of interest.

Brentlinger, Grace S Disclosed no conflict of interest.

Brett, Alan 3A: Imorphics Ltd.

Briar, K. Josh Disclosed no conflict of interest.

Brindley, George Disclosed no conflict of interest.

Brink, Ian Disclosed no conflict of interest.

Brinker, Laura 3A: Paragon 28, Inc; 4: Paragon 28, Inc.

Brinkman, Jared Disclosed no conflict of interest.

Briscoe, Adam 3A: Invibio Ltd.

Brissett, Nigel Disclosed no conflict of interest.

Brisson, Nicholas M Disclosed no conflict of interest.

Brito, Victor Gustavo Balera Disclosed no conflict of interest.
Briyan, Kalaivannan Disclosed no conflict of interest.
Broadaway, Harrison B Disclosed no conflict of interest.
Broberg, Jordan Disclosed no conflict of interest.
Brock, Manley J Disclosed no conflict of interest.
Brockbank, Kelvin 3A: Tissue Testing Technologies LLC.
Brockhoff, Jill Disclosed no conflict of interest.
Brodell, James D Disclosed no conflict of interest.
Brodsky, Alexander S Disclosed no conflict of interest.
Brogan, David M Disclosed no conflict of interest.
Brooks, Angus C Disclosed no conflict of interest.
Brooks, Biya Disclosed no conflict of interest.
Brooks, Daniel J 3B: Keros Therapeutics.
Brooks, Lauryn Disclosed no conflict of interest.
Brophy, Robert H 8: AJSM, AOSSM; 9: AAOS, AOA.
Brosig, Maggie Disclosed no conflict of interest.
Brosig, Margaret Disclosed no conflict of interest.
Brouillette, Marc Disclosed no conflict of interest.
Broussard, Joshua P Disclosed no conflict of interest.
Brown, Avery Disclosed no conflict of interest.
Brown, Cortez L Disclosed no conflict of interest.
Brown, Cortez L 3B: Keros Therapeutics.
Brown, Janet Disclosed no conflict of interest.
Brown, Justin Disclosed no conflict of interest.
Brown, Justin R Disclosed no conflict of interest.
Brown, Kenna Disclosed no conflict of interest.
Brown, Madeline Disclosed no conflict of interest.
Brown, Madison Disclosed no conflict of interest.
Brown, Madison N Disclosed no conflict of interest.
Brown, Marcel  
Disclosed no conflict of interest.

Brown, Matthew  
Disclosed no conflict of interest.

Brown, Michael  
Disclosed no conflict of interest.

Brown, Philip  
Disclosed no conflict of interest.

Brown, Philip J.  
Disclosed no conflict of interest.

Brown, Roshawn  
Disclosed no conflict of interest.

Brown, Ryan  
Disclosed no conflict of interest.

Brown, Sarah  
Disclosed no conflict of interest.

Brown, Steve  
Disclosed no conflict of interest.

Brown, Philip J.  
Disclosed no conflict of interest.

Brown, Roshawn  
Disclosed no conflict of interest.

Brown, Ryan  
Disclosed no conflict of interest.

Brown, Sarah  
Disclosed no conflict of interest.

Brown, Steve  
Disclosed no conflict of interest.

Brumm, Zachary  
Disclosed no conflict of interest.

Brummet, Chad M  
3B: Stryker Orthopaedics; 9: AO Foundation.

Broz, Kaitlyn  
Disclosed no conflict of interest.

Broz, Kaitlyn S  
Disclosed no conflict of interest.

Brunger, Jonathan M  
Disclosed no conflict of interest.

Brunger, Jonathan M.  
Disclosed no conflict of interest.

Brunner, Florian  
Disclosed no conflict of interest.

Brusalis, Christopher  
Disclosed no conflict of interest.

Bryant, Stephanie  
Disclosed no conflict of interest.

Bryant, Stephanie J.  
Disclosed no conflict of interest.

Bryk, Eli  
Disclosed no conflict of interest.

Brzezinski, Andrzej  
Disclosed no conflict of interest.

Bucciarelli, Alessio  
Disclosed no conflict of interest.

Buce, Justin  
Disclosed no conflict of interest.

Buchalter, Wyatt H  
Disclosed no conflict of interest.

Buchanan, Russell  
Disclosed no conflict of interest.

Bucher, Christian H  
Disclosed no conflict of interest.

Buchman, Steven  
Disclosed no conflict of interest.
Buchweitz, Nathan disclosed no conflict of interest.
Buchweitz, Nathan F disclosed no conflict of interest.
Buck, Ashley disclosed no conflict of interest.
Buckens, Stan F.M. disclosed no conflict of interest.
Buckles, Madison A disclosed no conflict of interest.
Buckley, Mark disclosed no conflict of interest.
Buckley, Richard disclosed no conflict of interest.
Buckley, Sara disclosed no conflict of interest.
Bucklin, Mary A disclosed no conflict of interest.
Buckner, Steve disclosed no conflict of interest.
Buckwalter V, Joseph disclosed no conflict of interest.
Buckwalter V, Joseph A disclosed no conflict of interest.
Buckwalter, Joseph disclosed no conflict of interest.
Budair, Basil disclosed no conflict of interest.
Budde, Matthew D disclosed no conflict of interest.
Buddhiraju, Anirudh disclosed no conflict of interest.
Buettmann, Evan disclosed no conflict of interest.
Buettmann, Evan G disclosed no conflict of interest.
Buffat, Drew disclosed no conflict of interest.
Bugajski, Tomasz disclosed no conflict of interest.


Bukhari, Muhammad Munam Mustafa disclosed no conflict of interest.

Buko, Erick disclosed no conflict of interest.
Buko, Erick O. disclosed no conflict of interest.
Buko, Erick O. disclosed no conflict of interest.
Buliung, Emily disclosed no conflict of interest.
Bull, Anthony disclosed no conflict of interest.
Bull, Anthony M.J. Disclosed no conflict of interest.

Buller, Leonard T 3B: OsteoRemedies, Enovis, Link Biomedical; 5: OsteoRemedies, Enovis; 9: AAHKS Program Committee.

Bülowsky, Jasmin Disclosed no conflict of interest.

Bulun, Serdar E Disclosed no conflict of interest.

Bun, Masayuki Disclosed no conflict of interest.

Bunn, R Clay Disclosed no conflict of interest.

Bunnell, Bruce Disclosed no conflict of interest.

Burch, Shane Disclosed no conflict of interest.

Burden, Alex Disclosed no conflict of interest.

Burdick, Jason A Disclosed no conflict of interest.

Burs, David L Disclosed no conflict of interest.

Bushe, Kellie Disclosed no conflict of interest.

Buskirk, Heather Disclosed no conflict of interest.

Burkart, Joshua J Disclosed no conflict of interest.

Burnikle, Brian Disclosed no conflict of interest.

Burlik, Dominik Disclosed no conflict of interest.

Burn, Masayuki Disclosed no conflict of interest.

Burn, William Disclosed no conflict of interest.

Bush, Joshua R Disclosed no conflict of interest.

Burns, David L Disclosed no conflict of interest.

Bush, William Disclosed no conflict of interest.

Bushe, Kellie Disclosed no conflict of interest.

Dutamante, Joseph Disclosed no conflict of interest.

Butler, Jared Disclosed no conflict of interest.

Butler, Rachel M Disclosed no conflict of interest.

Butler, Reed M Disclosed no conflict of interest.

Butsch, Evan Disclosed no conflict of interest.

Buttner, Christin Disclosed no conflict of interest.

Byrapogu, Kal .............. Disclosed no conflict of interest.

Byrd, Jay .................. Disclosed no conflict of interest.

Byrne, James D .......... Disclosed no conflict of interest.

Caba, Melanie .............. 3A: Stryker; 4: Stryker.

Cabahug-Zuckerman, Pamela ... Disclosed no conflict of interest.

Cadman, Joseph .......... Disclosed no conflict of interest.

Cady-McCrea, Clarke ....... Disclosed no conflict of interest.

Cady-McCrea, Clarke I .... Disclosed no conflict of interest.

Caffard, Thomas ........... Disclosed no conflict of interest.

Caffery, David ............ Disclosed no conflict of interest.

Caffrey, Jason ............. 3B: Daedalus Medical Solutions.

Cagle, Adelaide .......... Disclosed no conflict of interest.

Cagnin, Alix ............... 3A: Emovi.

Cahan, Patrick ............. Disclosed no conflict of interest.

Cahill, Patrick ............ 3A: Orthopedic Surgeon at CHOP.

Cahill, Patrick J ......... Disclosed no conflict of interest.

Cai, Xiaomin ............... Disclosed no conflict of interest.

Cai, Yanni ................. Disclosed no conflict of interest.

Caicedo, Marco S ........ 3A: Orthopedic Analysis, LLC.

Cain, Jarrett D ........... Disclosed no conflict of interest.

Cain, Phoebe .............. Disclosed no conflict of interest.

Calcei, Jacob ............. Disclosed no conflict of interest.

Calderone, Jacob .......... Disclosed no conflict of interest.

Caliman, Arina ........... Disclosed no conflict of interest.

Call, Jarrod A ............ Disclosed no conflict of interest.

Callan, Kylie ............. 4: Abbott Laboratories.

Callary, Stuart .......... Disclosed no conflict of interest.

Calo, Christopher J ...... Disclosed no conflict of interest.

Cameron, Emily G ........ Disclosed no conflict of interest.
Camino-Willhuber, Gaston......Disclosed no conflict of interest.

Camino-Willhuber1, Gaston......Disclosed no conflict of interest.

Cammisa, Frank .......................... 1: lanx inc, ortho development corp, acelus; 3B: acelus, depy synthes, nuvasive inc, spine biopharma llc; 4: healthpoint capital partners, orthobond corporation; 5: 4web medical, camber spine, centinel spine, mallinckrodt Pharmaceuticals, kuros Bioscience AG, nuvasive inc; 9: acelus, depy synthes, nuvasive inc, spine biopharma llc.


Cann, Ewurama..........................Disclosed no conflict of interest.


Campb, David G.......................5: Stryker.

Campbell, Nathan...............Disclosed no conflict of interest.

Campbell, Nathan WC..............Disclosed no conflict of interest.

Campbell, Tanner...............Disclosed no conflict of interest.

Campbell, Wayne...............Disclosed no conflict of interest.

Campos, Leonardo...............Disclosed no conflict of interest.

Campos, Trenton D...............Disclosed no conflict of interest.

Candan, Sinan...............Disclosed no conflict of interest.


Canseco, Karl ......................... Disclosed no conflict of interest.

Cao, Chike ............................... Disclosed no conflict of interest.

Cao, Nora ............................... Disclosed no conflict of interest.

Caparas, Sydney M .................... Disclosed no conflict of interest.

Capitaso, Sydney M. .................. Disclosed no conflict of interest.

Capitano, Maegan ........................ Disclosed no conflict of interest.

Capobianco, Christina .................. Disclosed no conflict of interest.

Cappelletti, Martina .................... Disclosed no conflict of interest.

Carballo, Camila ...................... Disclosed no conflict of interest.

Carballo, Camila B .................... Disclosed no conflict of interest.

Carcia, Austin ......................... Disclosed no conflict of interest.

Carbone, Andrew ...................... Disclosed no conflict of interest.

Carde, Brittany ........................ Disclosed no conflict of interest.

Cardenas, Justin ...................... Disclosed no conflict of interest.

Cardenas, Mireya ..................... Disclosed no conflict of interest.

Carey, James ............................ Disclosed no conflict of interest.

Carlson, Charles G .................... Disclosed no conflict of interest.

Carlson, Jaclyn A ..................... Disclosed no conflict of interest.

Carney, Randy P ....................... Disclosed no conflict of interest.

Carney, Tara E .......................... Disclosed no conflict of interest.

Carniel, Thiago A .................... Disclosed no conflict of interest.
Caro, Daniela Disclosed no conflict of interest.
Caron, Marjolein Disclosed no conflict of interest.
Caron, Marjolein M Disclosed no conflict of interest.
Caron, Marjolein M.J. Disclosed no conflict of interest.
Carpes, Felipe P Disclosed no conflict of interest.
Carr, Andrew J Disclosed no conflict of interest.
Carreira Oliveira, Rafael Disclosed no conflict of interest.
Carreno, Isaac Disclosed no conflict of interest.
Carrier, Robert E Disclosed no conflict of interest.
Carriero, Alessandra Disclosed no conflict of interest.
Carr, Andrew J Disclosed no conflict of interest.
Carr, John Disclosed no conflict of interest.
Carruthers, Elizabeth Disclosed no conflict of interest.
Carroll, Chad Disclosed no conflict of interest.
Carroll, Chad C Disclosed no conflict of interest.
Carroll, John Disclosed no conflict of interest.
Carrino, John Disclosed no conflict of interest. 3B: Pfizer, Eli-Lilly, Globu-Mechanical; 3C: Regeneron, AstraZeneca, CareStream, ImageAnalys Group, Image Biopsie Lab.
Carroll, John Disclosed no conflict of interest.
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Carstens, Mason Disclosed no conflict of interest.
Carull, Chad Disclosed no conflict of interest.
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Carull, John Disclosed no conflict of interest.
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Carrino, John Disclosed no conflict of interest. 3B: Pfizer, Eli-Lilly, Globu-Mechanical; 3C: Regeneron, AstraZeneca, CareStream, ImageAnalys Group, Image Biopsie Lab.
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Carvalho, Kepler .......................... **Disclosed no conflict of interest.**
Carvalho, Paulo .......................... **Disclosed no conflict of interest.**
Casal, Margret L .......................... **Disclosed no conflict of interest.**
Casasanta, Cameron ....................... **Disclosed no conflict of interest.**
Casonato, Alberto ........................ 3A: Orthoscape Ltd.
Casserly, Matthew ....................... **Disclosed no conflict of interest.**
Castelein, Rene .......................... **Disclosed no conflict of interest.**
Castile, Ryan M ......................... **Disclosed no conflict of interest.**
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Castillo, Mario .......................... **Disclosed no conflict of interest.**
Castillo, Renan .......................... **Disclosed no conflict of interest.**
Castillo, Renan C ........................ **Disclosed no conflict of interest.**
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Castro-Vinuelas, Rocio ................. **Disclosed no conflict of interest.**
Castro-Viñuelas, Rocío .................. **Disclosed no conflict of interest.**
Catalano, Louis W ....................... **Disclosed no conflict of interest.**
Catelas, Isabelle ....................... 5: Smith & Nephew.
Catelli, Danilo .......................... **Disclosed no conflict of interest.**
Catheline, Sarah ......................... **Disclosed no conflict of interest.**
Cavallaro, Salvatore ..................... **Disclosed no conflict of interest.**
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Cavanagh, Brenton ....................... **Disclosed no conflict of interest.**
Cavanaugh, John ......................... **Disclosed no conflict of interest.**
Cavendish, Emma ......................... **Disclosed no conflict of interest.**
Cedin, Luisa ............................. **Disclosed no conflict of interest.**
Cemenski, Brandon ...................... **Disclosed no conflict of interest.**
Cernucan, Katrina R ..................... **Disclosed no conflict of interest.**
Cerri-Droz, Patricia ..................... **Disclosed no conflict of interest.**
Cerri-Droz, Patricia E ................... **Disclosed no conflict of interest.**
Cerynik, Doug L ........................ 3A: Stabiliz Ortho; 4: Stabiliz Ortho; 9: Stabiliz Ortho.
Cevallos, Nicolas .................. Disclosed no conflict of interest.
Cha, Ryan .......................... Disclosed no conflict of interest.
Cha, Ryota .......................... Disclosed no conflict of interest.
Chabronova, Alzbeta .............. Disclosed no conflict of interest.
Chaharbakhshi, Edwin .......... Disclosed no conflict of interest.
Chahine, Nadeen .................. Disclosed no conflict of interest.
Chahine, Nadeen O. .............. Disclosed no conflict of interest.
Chahla, Jorge ...................... 3B: Arthrex, CONMED Linvatec, Ossur, Smith & Nephew.
Chai, Jiaxin ...................... Disclosed no conflict of interest.
Chai, Senlin ...................... Disclosed no conflict of interest.
Chainani, Pooja .................. Disclosed no conflict of interest.
Chalem, Isabel ................... Disclosed no conflict of interest.
Chalmers, Brian .................. Disclosed no conflict of interest.
Chalmers, Peter .................. Disclosed no conflict of interest.
Chalmers, Peter N. .............. 3B: Depuy, Smith and Nephew, Responsive Arthroscopy, Exactech; 4: TitinKM Biomedical; 5: Depuy, Smith and Nephew; 7A: Depuy, Responsive Arthroscopy, Exactech; 8: Journal of Shoulder and Elbow Surgery.
Chalmers, Peter N. .............. 3B: Depuy, Smith and Nephew, Responsive Arthroscopy, Exactech; 4: 4-TitinKM Biomedical; 5: Depuy, Smith and Nephew; 7A: Depuy, Responsive Arthroscopy, Exactech; 8: Journal of Shoulder and Elbow Surgery.
Chalmers, Peter N. .............. 3B: Depuy, DJO; 5: Major League Baseball, LS Peery; 7A: Depuy, Responsive Arthroscopy; 8: Journal of Shoulder and Elbow Surgery.
Chamberlain, Aaron M. ......... Disclosed no conflict of interest.
Chambers, Alastair .............. Disclosed no conflict of interest.
Chambers, Tamara ............... Disclosed no conflict of interest.
Chan, Charles ................... Disclosed no conflict of interest.
Chan, Debra ...................... Disclosed no conflict of interest.
Chan, Deva ....................... Disclosed no conflict of interest.
Chan, Deva D. ................... Disclosed no conflict of interest.
Chan, Georgina .................. Disclosed no conflict of interest.
Chan, Hon Fai: Disclosed no conflict of interest.
Chan, Trevor: Disclosed no conflict of interest.
Chaney, Shelby: Disclosed no conflict of interest.
Chang, Alex: Disclosed no conflict of interest.
Chang, Eric: Disclosed no conflict of interest.
Chang, Eric Y: Disclosed no conflict of interest.
Chang, Gregory: Disclosed no conflict of interest.
Chang, Je-Ken: Disclosed no conflict of interest.
Chang, Kenny: Disclosed no conflict of interest.
Chang, Leslie: Disclosed no conflict of interest.
Chang, Liang: Disclosed no conflict of interest.
Chang, Linghua: Disclosed no conflict of interest.
Chang, Ling-Hua: Disclosed no conflict of interest.
Chang, Peter: Disclosed no conflict of interest.
Chang, Solomon: Disclosed no conflict of interest.
Chang, Yuan-I: Disclosed no conflict of interest.
Changoor, Adele: Disclosed no conflict of interest.
Chao, Christina A: Disclosed no conflict of interest.
Chao, Pen-Hsiu Grace: Disclosed no conflict of interest.
Chapman, Jack: Disclosed no conflict of interest.
Chapman, Ryan M: 5: Stryker, RI Research Foundation; 6: Stryker, Nike.
Chargo, Nicholas J.: Disclosed no conflict of interest.
Charles, Shaquille: Disclosed no conflict of interest.
Charlton, Timothy: 1: Extreme Medical; 4: Paragon 28.
Chase, Kayla L: Disclosed no conflict of interest.
Chastain, Kalle: Disclosed no conflict of interest.
Chastain, Kalle L: Disclosed no conflict of interest.
Chastain, Paul: Disclosed no conflict of interest.
Chattahy, Kaoutar: Disclosed no conflict of interest.
Chatterjee, Paramita

Chaudhari, Ajit

Chaudhary, Rajeev

Chaudhary, Saad

Chaudhary, Saad B

Chaudhry, Daniyya

Chavez, Melissa

Che, Lam Vien

Chee, Ana

Cheema, Karandeep

Chellu, Neha

Chen, Albert C

Chen, Austin

Chen, Austin Z

Chen, Baixing

Chen, Bozhi

Chen, Brandon

Chen, Candice

Chen, Charlotte

Chen, Chung-Hwan

Chen, Darwin D

Chen, Fangjian

Chen, Gang

Chen, He-Guei

Chen, Hongjiang

Chen, Isabelle X

Chen, Ivette

Chen, James

Chen, Jhen-Wei
Chen, Jian ........................................Disclosed no conflict of interest.
Chen, Jie ........................................Disclosed no conflict of interest.
Chen, Jinyu ......................................Disclosed no conflict of interest.
Chen, Joseph ..................................Disclosed no conflict of interest.
Chen, Joshua .................................Disclosed no conflict of interest.
Chen, Junning ...............................Disclosed no conflict of interest.
Chen, Kiana L ................................Disclosed no conflict of interest.
Chen, Laura ....................................Disclosed no conflict of interest.
Chen, Leyi ......................................Disclosed no conflict of interest.
Chen, Matthew ................................Disclosed no conflict of interest.
Chen, Matthew S .............................Disclosed no conflict of interest.
Chen, Peng .....................................Disclosed no conflict of interest.
Chen, Qian .....................................Disclosed no conflict of interest.
Chen, Shane F .................................Disclosed no conflict of interest.
Chen, Ssu Chi .................................Disclosed no conflict of interest.
Chen, Stephen ...............................Disclosed no conflict of interest.
Chen, Tianyu ..................................Disclosed no conflict of interest.
Chen, Tony ....................................3A: Agelity Biomechanics Corp.
Chen, Tony Lin-Wei ..........................Disclosed no conflict of interest.
Chen, Vivian ..................................Disclosed no conflict of interest.
Chen, Xi ........................................Disclosed no conflict of interest.
Chen, Xiangqin ...............................Disclosed no conflict of interest.
Chen, Xiao T ..................................Disclosed no conflict of interest.
Chen, Yanshi ..................................Disclosed no conflict of interest.
Chen, Yumei ..................................Disclosed no conflict of interest.
Chen, Yupeng .................................Disclosed no conflict of interest.
Chen, Zhenzhen ..............................3A: Tissue Testing Technologies LLC.
Chen, Zhongming ............................Disclosed no conflict of interest.
Chenard, Stephen ............................Disclosed no conflict of interest.
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Chiaramonti, Nick disclosures no conflict of interest.
Chida, Yasushi disclosures no conflict of interest.
Chiedo, Brandon disclosures no conflict of interest.
Chiesa, Irene disclosures no conflict of interest.
Chihab, Samir disclosures no conflict of interest.
Chikuda, Hirotaka disclosures no conflict of interest.
Childress, Luke disclosures no conflict of interest.
Chilton, Floyd disclosures no conflict of interest.
Chin, Brian disclosures no conflict of interest.
Chin, Joseph disclosures no conflict of interest.
Chin, Kate disclosures no conflict of interest.
Chinimilli, Prudhvi 3A: Exactech; 4: Exactech.
Chinimilli, Prudhvi Tej 3A: Exactech; 4: Exactech.
Chinniah, Ganen disclosures no conflict of interest.
Chi-On, Chan disclosures no conflict of interest.
Chittim, Nicole A disclosures no conflict of interest.
Chittò, Marco disclosures no conflict of interest.
Chiu, Yu-Fen M disclosures no conflict of interest.
Chlebek, Carolyn 9: Orthopaedic Research Society - Social Media Committee.
Chlebek, Carolyn 9: ORS Social Media Committee.
Chmell, Samuel disclosures no conflict of interest.
Cho, Chan H disclosures no conflict of interest.
Cho, Chan Hee disclosures no conflict of interest.
Cho, Gun Hee disclosures no conflict of interest.
Cho, Hongsik disclosures no conflict of interest.
Cho, June 3A: Smith and Nephew.
Cho, Sehee disclosures no conflict of interest.
Cho, Sia disclosures no conflict of interest.
Choe, Hyonmin disclosures no conflict of interest.
Choe, Joshua disclosures no conflict of interest.
Choe, Joshua A ... Disclosed no conflict of interest.
Choi, Byung Sun ... Disclosed no conflict of interest.
Choi, Eirene ... Disclosed no conflict of interest.
Choi, Jihye ... Disclosed no conflict of interest.
Choi, Wonchul ... Disclosed no conflict of interest.
Choma, Theodore ... 4: Gentis, INC; 9: AO Spine NA, NASS, SRS.
Choma, Theodore ... 3B: Medtronic Sofamor Danek; 4: Gentis, Inc; 9: AO Spine NA, NASS, SRS.
Choma, Theodore J. ... Disclosed no conflict of interest.
Chona, Deppak ... Disclosed no conflict of interest.
Choo, Andrew M ... Disclosed no conflict of interest.
Choo, Stephanie ... Disclosed no conflict of interest.
Chopra, Krishna ... Disclosed no conflict of interest.
Chopra, Krishna N ... Disclosed no conflict of interest.
Chosa, Etsuo ... Disclosed no conflict of interest.
Chou, Liang-Yin ... Disclosed no conflict of interest.
Chou, Ya-Shuan ... Disclosed no conflict of interest.
Choubey, Apurva ... Disclosed no conflict of interest.
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Choudhari, Malvika ... Disclosed no conflict of interest.
Choudhary, Soham ... Disclosed no conflict of interest.
Choueka, Jack ... Disclosed no conflict of interest.
Chougule, Amit ... Disclosed no conflict of interest.
Chow, Simon ... Disclosed no conflict of interest.
Chow, Simon K ... Disclosed no conflict of interest.
Chow, Simon Kwoon Ho ... Disclosed no conflict of interest.
Christ, Alexander B. ... 3B: Intellijoint Surgical, Smith & Nephew; 9: AAOS, Musculoskeletal Tumor Society, Orthopaedic Research Society.
Christenson, Gage ... Disclosed no conflict of interest.
Christiansen, Blaine...........Disclosed no conflict of interest.
Christiansen, Blaine A ..........Disclosed no conflict of interest.
Christie, Matthew..............Disclosed no conflict of interest.
Christie, Michael...............Disclosed no conflict of interest.
Christopher, Jonath S ..........Disclosed no conflict of interest.
Christou, Chris..................Disclosed no conflict of interest.
Chrostek, Cynthia A............Disclosed no conflict of interest.
Chu, Alice........................Disclosed no conflict of interest.
Chu, Constance R..............Disclosed no conflict of interest.
Chu, Paul K......................Disclosed no conflict of interest.
Chu, Tiankuo.....................Disclosed no conflict of interest.
Chuang, Shu-Chun..............Disclosed no conflict of interest.
Chubb, Laura....................Disclosed no conflict of interest.
Chubinskaya, Susanna.........5: AlloSource.
Chun, Liane......................Disclosed no conflict of interest.
Chung, Brian C.................Disclosed no conflict of interest.
Chung, Christine..............Disclosed no conflict of interest.
Chung, Christine B...............Disclosed no conflict of interest.
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Cillero Pastor, Berta..........Disclosed no conflict of interest.
Cimino, Amanda...............Disclosed no conflict of interest.
Cirino, Carl....................Disclosed no conflict of interest.
Ciuflo, David J................Disclosed no conflict of interest.
Civiero, Stephanie............Disclosed no conflict of interest.
Civiero, Stephanie M..........Disclosed no conflict of interest.
Clanton, Thomas O............1: Arthrex, Stryker; 3B: Arthrex, Stryker, Wright Medical, BICMD, SubioMed; 5: Steadman Philippon Research Institute, Gentleman Orthopedic Solutions, Gemini Mountain Medical.
Claravall, Lauren.............Disclosed no conflict of interest.
Clark, Aaron J................Disclosed no conflict of interest.
Clark, Andrea L...............Disclosed no conflict of interest.
Clark, Andrew R. Disclosed no conflict of interest.
Clark, Karen L. Disclosed no conflict of interest.
Clark, Kelsey A. Disclosed no conflict of interest.
Clark, Makayla Disclosed no conflict of interest.
Clarkin, Claire E. Disclosed no conflict of interest.
Clary, Chadd Disclosed no conflict of interest.
Clary, Chadd W. Disclosed no conflict of interest.
Claverie, Laetitia 3A: Digikare.
Clayton, Sade 9: ORS Spine Section Membership Committee.
Clayton, Sade W. Disclosed no conflict of interest.
Cleary, Christopher J. Disclosed no conflict of interest.
Clemens, Thomas Disclosed no conflict of interest.
Cline, J. Mark 5: Roche.
Clippert, Drew Disclosed no conflict of interest.
Clites, Tyler 4: FleX Orthopaedics Inc.
Clites, Tyler R. 4: FleX Orthopaedics Inc.
Clites, Tyler R. 4: Co-founder FleX Orthopaedics, Inc.
Clites, Tyler R. 4: FleX Orthopedics.
Clites, Tyler R. 4: FleX orthopaedics.
Clohisy, John C. Disclosed no conflict of interest.
Clohisy, John C. 1: MicroPort Orthopaedics; 3B: Zimmer-Biomet; 8: Wolters Kluwer Health – Lippincott Williams & Wilkins.
Clyburn, Terry Disclosed no conflict of interest.
Co, Cynthia M Disclosed no conflict of interest.
Co, Megan Disclosed no conflict of interest.
Coathup, Melanie Disclosed no conflict of interest.
Coathup, Melanie J. Disclosed no conflict of interest.
Coden, Gloria 8: Journal of Orthopaedic Experience & Innovation.
Coello, Andre Disclosed no conflict of interest.
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<td>Coleman, Ashley</td>
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<td>Coleman, Cynthia M.</td>
<td>3C: Zoan Nuáil Teoranta; 6: Zoan Nuáil Teoranta.</td>
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<td>Coleman, Philip</td>
<td>3A: Paragon 28, Inc; 4: Paragon 28, Inc.</td>
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Collins, Christy .................. Disclosed no conflict of interest.
Collins, Dylon .................. Disclosed no conflict of interest.
Collins, George .................. Disclosed no conflict of interest.
Collins, John A.................. Disclosed no conflict of interest.
Collins, Joseph M................ Disclosed no conflict of interest.
Collins, Katherine .............. Disclosed no conflict of interest.
Collins, Kelsey H................ Disclosed no conflict of interest.
Collins, Michael ................ Disclosed no conflict of interest.
Colman, Matthew ............... Disclosed no conflict of interest.
Colone, Kathryn ................. Disclosed no conflict of interest.
Coltoff, Emma C................ Disclosed no conflict of interest.
Colville, Marshall .............. Disclosed no conflict of interest.
Como, Christopher ............. Disclosed no conflict of interest.
Como, Christopher J............ Disclosed no conflict of interest.
Como, Christopher J............ Disclosed no conflict of interest.
Comrie, Robert ................ Disclosed no conflict of interest.
Conaway, William K............. Disclosed no conflict of interest.
Concoff, Andrew................ 3A: Exagen; 3B: Pacira BioSciences, United Rheumatology; 4: Exagen.
Connelly, Amanda .............. Disclosed no conflict of interest.
Connizzo, Brianne .............. Disclosed no conflict of interest.
Connizzo, Brianne K............ Disclosed no conflict of interest.
Connolly, Liam ................ Disclosed no conflict of interest.
Connor, Patrick............... 1: Integrity Orthopaedics, Lima Corporate; 3B: Arthrex, Inc.; 5: Lima Corporate, Arthrex, Inc.; 9: OrthoCarolina Research Institute, Past Chairman of the Board, Board Member, NFL Physicians Society, Past-President, Emeritus, Executive Board Member.
Conrad III, Ernest U......... Disclosed no conflict of interest.
Constant, Caroline ............ Disclosed no conflict of interest.
Constantine, Evangelia........ Disclosed no conflict of interest.
Constantine, Robert .......... Disclosed no conflict of interest.
Conti, Matthew ................ 9: AOFAS.
Conti, Matthew S. Disclosed no conflict of interest.

Conway, Lauren Disclosed no conflict of interest.

Coobs, Benjamin Disclosed no conflict of interest.

Cook, Austin Disclosed no conflict of interest.

Cook, Cristi 1: Arthrex, MTF; 2: Arthrex, Collagen Matrix, MTF; 3B: Arthrex, Collagen Matrix, MTF; 5: Arthrex, Collagen Matrix, MTF.


Cook, James 1: Arthrex, MTF; 2: Arthrex; 3B: Arthrex, Bioventus, Collagen Matrix Inc, Trupanion; 5: Arthrex, AO Trauma, Collagen Matrix Inc, Cellularity, MTF, NIH, Organogenesis, Purina, Regenosine, SITES Medical; 7B: Thieme; 8: Journal of Knee Surgery; 9: MTN, MTF.


Cook, James 1: Arthrex, MTF; 2: Arthrex; 3B: Arthrex, Bioventus, Collagen Matrix Inc, Trupanion; 5: Arthrex, Collagen Matrix Inc, Cellularity, MTF, NIH, Organogenesis, Purina, Regenosine, SITES Medical; 7B: Thieme; 8: J of Knee Surgery; 9: MTN, MTF.


Cook, James L .........................3B: Arthrex, Trupanion; 7B: AO Trauma, Arthrex, Collagen Matrix, Depuy, Musculoskeletal Transplant Foundation, NIAMS, NICHD, OTA, Purina, SITES Medical, Thieme, DoD; 8: Journal of Knee Surgery; 9: Midwest Transplant Foundation, Musculoskeletal Transplant Foundation.

Cook, James L ..........................1: Arthrex, MTF; 2: Arthrex; 3B: Arthrex, Bioventus, Collagen Matrix Inc, Trupanion; 5: Arthrex, AO Trauma, Collagen Matrix Inc, Cellularity, MTF, NIH, Organogenesis, Purina, Regenosine, SITES Medical; 7B: Thieme; 8: J of Knee Surgery; 9: MTN, MTF.

Cook, James L ..........................1: Arthrex, MTF; 2: Arthrex; 3B: Arthrex, Bioventus, Collagen Matrix Inc, Trupanion; 5: Arthrex, AO Trauma, Collagen Matrix Inc, Cellularity, MTF, NIH, Organogenesis, Purina, Regenosine, SITES Medical; 7B: Thieme; 8: J of Knee Surgery; 9: MTN, MTF.

Cook, James L ..........................1: Arthrex, MTF; 2: Arthrex; 3B: Arthrex, Bioventus, Collagen Matrix Inc, Trupanion; 5: Arthrex, AO Trauma, Collagen Matrix Inc, Cellularity, MTF, NIH, Organogenesis, Purina, Regenosine, SITES Medical; 7B: Thieme; 8: J of Knee Surgery; 9: MTN, MTF.

Cook, James L ..........................1: Arthrex, MTF; 2: Arthrex; 3B: Arthrex, Bioventus, Collagen Matrix Inc, Trupanion; 5: Arthrex, AO Trauma, Collagen Matrix Inc, Cellularity, MTF, NIH, Organogenesis, Purina, Regenosine, SITES Medical; 7B: Thieme; 8: J of Knee Surgery; 9: MTN, MTF.

Cooke, Hayden L ..................Signed no conflict of interest.

Cooke, Sean ..........................Signed no conflict of interest.

Cooley, Marion ..................Signed no conflict of interest.

Coomer, Seth ..................Signed no conflict of interest.

Copp, Elizabeth ..................Signed no conflict of interest.

Copp, Michaela E ..................Signed no conflict of interest.

Coppock, James A ..................Signed no conflict of interest.
Corbeels, Katrien Disclosed no conflict of interest.
Corcoran, Owen Disclosed no conflict of interest.
Cordova, Carolina V Disclosed no conflict of interest.
Cordts, Paige Disclosed no conflict of interest.
Cornthwaite, Jessica R Disclosed no conflict of interest.
Cornwall, G. Bryan Disclosed no conflict of interest.
Cornwall, Roger 6: Past Chair of Research Management Committee (ASSH), Multiple Committees in Orthopedic Research Society.
Correia Marques, Francisco Disclosed no conflict of interest.
CORRG, Calgary Orthopaedic Resident Research Group Disclosed no conflict of interest.
Corrigan, Patrick Disclosed no conflict of interest.
Cortez, Francisco R Disclosed no conflict of interest.
Costa, Kevin Disclosed no conflict of interest.
Costa, Meggin Disclosed no conflict of interest.
Costa, Meggin Q Disclosed no conflict of interest.
Costa, Samantha Disclosed no conflict of interest.
Costard, Lara Disclosed no conflict of interest.
Cote, Mark Disclosed no conflict of interest.
Cote, Trystin Disclosed no conflict of interest.
Cottingham, Harrison Disclosed no conflict of interest.
Cottrell, Christiana Disclosed no conflict of interest.
Cottrell, Jessica Disclosed no conflict of interest.
Couasnay, Greig Disclosed no conflict of interest.
Couch, Brandon Disclosed no conflict of interest.
Coumans, Jean-Valery C Disclosed no conflict of interest.
Courteille, Rémi Disclosed no conflict of interest.
Coutelle, Nino Disclosed no conflict of interest.
Couture, Andrew Disclosed no conflict of interest.
Covan, Bailee Disclosed no conflict of interest.
Covarrubias, Oscar Disclosed no conflict of interest.
Coy, Kathryn L........................................Disclosed no conflict of interest.
Coyle, Madison.................................Disclosed no conflict of interest.
Coyner, Katherine..........................Disclosed no conflict of interest.
Coyner, Katherine J..........................Disclosed no conflict of interest.
Cragg, Kyle.........................................Disclosed no conflict of interest.
Crasta, Nikitha.................................Disclosed no conflict of interest.
Crecelius, Cory.................................Disclosed no conflict of interest.
Credille, Kevin.................................Disclosed no conflict of interest.
Cremers, Laura.................................Disclosed no conflict of interest.
Cremers, Andy.................................Disclosed no conflict of interest.
Crenshaw, Thomas D..........................Disclosed no conflict of interest.
Crenshaw, Tom.................................Disclosed no conflict of interest.
Cripton, Peter.................................Disclosed no conflict of interest.
Crisco, J.J........................................Disclosed no conflict of interest.
Crist, Brett..............................1: Globus Medical; 2: KCI; 3B: Curvafix, Synthes; 3C: Osteocentric;
4: RomTech, Orthopaedic Implant Company; 5: Synthes; 8: J Hip Preservation, SLACK Incorporated; 9: AOTNA, IGFS, OTA.
Cristolias, George..........................Disclosed no conflict of interest.
Crivelli, Francesco..........................Disclosed no conflict of interest.
Crockarell Jr., John..........................7B: Elsevier Inc.
Crockarell, John R..........................4: Heron Therapeutics; 7B: Elsevier.
Croen, Brett J...................................Disclosed no conflict of interest.
Croley, Garrett...............................Disclosed no conflict of interest.
Cronin, Duane.................................Disclosed no conflict of interest.
Cronin, John T.................................Disclosed no conflict of interest.
Crook, Bryan S...............................Disclosed no conflict of interest.
Crosio, Giulia.................................Disclosed no conflict of interest.
Cross, Janelle.................................Disclosed no conflict of interest.
Crouch, Dustin L.............................Disclosed no conflict of interest.
Crowe, Lindsay...............................Disclosed no conflict of interest.
Crowe, Lindsay A.N........................Disclosed no conflict of interest.
Crowley, Brian disclosed no conflict of interest.
Cruz, Carlos J disclosed no conflict of interest.
Cruz-Almeida, Yenisel disclosed no conflict of interest.
Cryan, Sally Ann disclosed no conflict of interest.
Cuadra, Mario disclosed no conflict of interest.
Cucchiariini, Magali disclosed no conflict of interest.
Cuellar, Jason disclosed no conflict of interest.
Cui, Can disclosed no conflict of interest.
Cui, Changpeng disclosed no conflict of interest.
Cui, Kaixi disclosed no conflict of interest.
Cui, Quanjun disclosed no conflict of interest.
Cui, Yazhen disclosed no conflict of interest.
Cuneo, Kevin R disclosed no conflict of interest.
Cung, Michelle disclosed no conflict of interest.
Cunningham, Matthew disclosed no conflict of interest.
Curran, Patrick F disclosed no conflict of interest.
Currier, John disclosed no conflict of interest.
Currier, Zachary disclosed no conflict of interest.
Curtin, Caroline 8: Editorial Board, Frontiers and Applied Biosciences.
Curtin, Caroline M 8: eCells & Materials.
Cush, Charles disclosed no conflict of interest.
Cusick, Michael 3B: DJO/Enovis, Medacta, Aevumed; 4: Aevumed.
Custers, Roel disclosed no conflict of interest.
Cyphert, Erika L disclosed no conflict of interest.
Cyphert, Erika L disclosed no conflict of interest.
Czachor, Molly disclosed no conflict of interest.
Dabirrahmani, Danè disclosed no conflict of interest.
Dadwal, Ushashi C disclosed no conflict of interest.
Dahhan, Ola disclosed no conflict of interest.
Dahia, Chitra .............................. Disclosed no conflict of interest.
Dahne, Michael .............................. Disclosed no conflict of interest.
Dahodwala, Taikhoom .................... Disclosed no conflict of interest.
Dai, Bingyang .............................. Disclosed no conflict of interest.
Dai, Caihong .............................. Disclosed no conflict of interest.
Dai, Sheng .............................. Disclosed no conflict of interest.
Dai, Yang .............................. Disclosed no conflict of interest.
Daigne, Clifton .............................. Disclosed no conflict of interest.
Dailey, Hannah .........................4: OrthoXel; 5: OrthoXel; 6: OrthoXel; 9: ORS.
Dailey, Hannah L ........................ Disclosed no conflict of interest.
Daiss, John L .............................. Disclosed no conflict of interest.
Dalamaggas, Arianna M ................... Disclosed no conflict of interest.
Daley, Dale .............................. Disclosed no conflict of interest.
Daley, Dane .............................. Disclosed no conflict of interest.
Dall'Ara, Enrico .............................. Disclosed no conflict of interest.
Dallari, Dante .............................. Disclosed no conflict of interest.
Dallman, Johnathan ...................... Disclosed no conflict of interest.
Dalton, David .............................. Disclosed no conflict of interest.
Damon, Brooke .............................. Disclosed no conflict of interest.
Damon, Bruce .............................. Disclosed no conflict of interest.
D'Amour, Owen .............................. Disclosed no conflict of interest.
D'Amour, Owen M .............................. Disclosed no conflict of interest.

Damron, Timothy .............................. 1: Journal AAOS, Up To Date, Wolter Luwar Health, Clin Orth Rel Res; 3B: Cerament, Stryker, Wright Medical; 8: CORR, JOR, Medicina, Open J Orthop, PLOS One.

Damron, Timothy A .............................. 5: Cerament, Wright Medical, Stryker; 7B: JAAOS; 8: Journal of Orthopaedic Research, CORR, Online Ortho Journal, Medicine, BMC Musculoskeletal Disorders.

Dandu, Navya .............................. Disclosed no conflict of interest.
Daneault, Jean-Francois ............. **Disclosed no conflict of interest.**

Daneshvarhashjin, Nazanin........... 6: Zimmer Biomet.

Danford, Nicholas C .................... 7B: Springer.

Dang, Xiaojian .......................... **Disclosed no conflict of interest.**

Daniel Kam-Wah, Mok .................. **Disclosed no conflict of interest.**

Daniel, Melissa .......................... **Disclosed no conflict of interest.**

Danilkowitz, Richard ................... **Disclosed no conflict of interest.**

Dao, Katie .................................. **Disclosed no conflict of interest.**

Dapollonio, Taisha M .................... **Disclosed no conflict of interest.**

Dar, Ayelet ............................... **Disclosed no conflict of interest.**

Darowski, Martin ........................ **Disclosed no conflict of interest.**

Darwiche, Salim .......................... **Disclosed no conflict of interest.**

Dasa, Vinod ............................... 2: Bioventus, Swiftpath/Pacira; 3B: Bioventus, Myoscience; 4: Myoscience, SIGHT Medical; 5: SKK, Cartiheal, KCI; 7A: Flexion Therapeutics.


Dasari, Suhas P ......................... **Disclosed no conflict of interest.**

Dashtdar, Babak .......................... **Disclosed no conflict of interest.**

Dashti, Derek C ........................... 3A: Pinnacle Transplant Technologies, LLC.

Dass, Angelina ........................... **Disclosed no conflict of interest.**

D'Attilio, Nicholas ....................... 3A: G.RAU Inc.

Datto, Gregory .......................... **Disclosed no conflict of interest.**

Davia, Daniella ........................... **Disclosed no conflict of interest.**

David, Essig .............................. **Disclosed no conflict of interest.**

David, Hackney .......................... **Disclosed no conflict of interest.**

David, Michael .......................... **Disclosed no conflict of interest.**

David, Perez Jr .......................... **Disclosed no conflict of interest.**

Davidson, Matthew D ................... **Disclosed no conflict of interest.**

Davidson, Noah .......................... **Disclosed no conflict of interest.**

Davies, Michael .......................... **Disclosed no conflict of interest.**
Daviller, Clement .......................3A: Exactech.
Davis, Irene ...............................Disclosure no conflict of interest.
Davis, Irene S ............................9: ACSM.
Davis, Josh ................................Disclosure no conflict of interest.
Davis, Madison .........................Disclosure no conflict of interest.
Davis, Stephanie .......................Disclosure no conflict of interest.
Davis, Zachary ...........................Disclosure no conflict of interest.
Davis-Wilson, Hope ......................Disclosure no conflict of interest.
Davitt, Michael ..........................Disclosure no conflict of interest.
Daw, Jordan .............................Disclosure no conflict of interest.
Day, Wesley .............................Disclosure no conflict of interest.
Dayanidhi, Sudarshan ....................Disclosure no conflict of interest.
de Araújo, Igor Farias .....................Disclosure no conflict of interest.
de Bentley, Karen L ........................Disclosure no conflict of interest.
De Bock, Katrien ..........................Disclosure no conflict of interest.
de Boer, Candice ..........................Disclosure no conflict of interest.
De Boutray, Marie .......................Disclosure no conflict of interest.
De Bruijn, Joost .........................3A: Kuros Biosciences; 3C: Kuros Biosciences; 9: Kuros Biosciences.
de Cesar Netto, Cesar ....................3C: Medtronic.
de la Vega, Rodolfo ........................9: ORS Scientific Communications Committee.
de León Escobedo, Raúl ................ Disclosure no conflict of interest.
De Leon-Escobedo, Raul .................Disclosure no conflict of interest.
De Maria, Carmelo ......................Disclosure no conflict of interest.
de Mello Roesler, Carlos Rodrigo .......Disclosure no conflict of interest.
De Mesy-Bentley, Karen L .............Disclosure no conflict of interest.
De Mori, Arianna Disclosed no conflict of interest.

de Paula Mozella, Alan Disclosed no conflict of interest.

de Rinaldis, Elisabetta Disclosed no conflict of interest.

de Roy, Luisa Disclosed no conflict of interest.

De Souza, Rafael Disclosed no conflict of interest.

Dean, Emmanuel Disclosed no conflict of interest.

Dean, Michael Disclosed no conflict of interest.

Dean, Michael C Disclosed no conflict of interest.

DeAngelis, Joseph Disclosed no conflict of interest.

Dearth, Christopher L Disclosed no conflict of interest.

Deasey, Matt Disclosed no conflict of interest.

DeBaun, Malcolm Disclosed no conflict of interest.

Debri, Eytan 1: Ortho Development; 2: Ortho Development; 3B: DePuy; 4: Think Surgical.

Debri, Eytan M 1: Ortho Development; 2: Ortho Development; 3B: DePuy; 4: Think Surgical.

Debeer, Philippe 6: Zimmer Biomet.

DeBenedetti, Anne Disclosed no conflict of interest.

Debnath, Shawon Disclosed no conflict of interest.

Debski, Richard Disclosed no conflict of interest.

Debski, Richard E Disclosed no conflict of interest.

Debski, Richard E Disclosed no conflict of interest.

Deckard, Evan R Disclosed no conflict of interest.

DeClercq, Madeleine G Disclosed no conflict of interest.

Decuzzi, Paolo Disclosed no conflict of interest.

Deepak, Shweta Disclosed no conflict of interest.

DeFelice, Brian C Disclosed no conflict of interest.

DeFrate, Louis 8: Journal of Biomechanics.

DeFrate, Louis 8: AJSM, JoB, JOR.

DeFrate, Louis E. ........................ 8: AJSM, JoB, JOR.

DeFrate, Louis E. ........................ 8: AJSM, JoB, JOR.

DeFrino, Paul .......................... 5: Tyber Medical.

DeFroda, Steven ........................ 2: He is a speaker for AO North America.; 5: Dr. DeFroda receives research support from Arthroscopy Association of North America.; 8: He is a committee member for Arthroscopy Association of North America and American Orthopaedic Society for Sports Medicine.

DeFroda, Steven ........................ 2: AO North America; 5: Arthrex; 8: Arthroscopy Journal.

Degen, Ryan M. ........................ 6: In-kind product support received from Smith and Nephew.

Degen, Ryan M. ........................ Disclosed no conflict of interest.

Dehghan Hamani, Iraj .................. Disclosed no conflict of interest.

Dehghan-Baniani, Dorsa .............. Disclosed no conflict of interest.

Dehghan-Hamani, Iraj .................. Disclosed no conflict of interest.

Dehghani, Bijan ....................... Disclosed no conflict of interest.

Dekeyser, Graham ..................... Disclosed no conflict of interest.

Del Rio, Patricia ....................... Disclosed no conflict of interest.

Dela Cruz, Cynthia .................... Disclosed no conflict of interest.

Dela Rueda, Therese ................... Disclosed no conflict of interest.

Deland, Jonathan ...................... 3C: Lima Corporate; 4: Wright Medical Technology; 7A: Arthrex, Zimmer Inc.

Delany, Anne .......................... Disclosed no conflict of interest.

Delawi, Diyar .......................... Disclosed no conflict of interest.

Delco, Michelle L ..................... Disclosed no conflict of interest.

DeLeon, Maximilien ................... Disclosed no conflict of interest.

Della Bella, Elena ...................... 9: ORS Scientific Communications Committee.


Delpla, Jean-Aloïs U. .................. Disclosed no conflict of interest.

Delpla, Jean-Aloïs U. .................. Disclosed no conflict of interest.

Deluzio, Kevin ........................ Disclosed no conflict of interest.
Deluzio, Kevin J. Disclosed no conflict of interest.
Demetracopoulos, Constantine Disclosed no conflict of interest.
Demissie, Serkalem Disclosed no conflict of interest.
Demos, Harry Disclosed no conflict of interest.
DeMoya, Christian Disclosed no conflict of interest.
Den Hartog, Taylor Disclosed no conflict of interest.
DeNapoli, Rachel C Disclosed no conflict of interest.
Denaro, Vincenzo Disclosed no conflict of interest.
Denehy, Kevin Disclosed no conflict of interest.
Deng, Jin Disclosed no conflict of interest.
Deng, Jingyao Disclosed no conflict of interest.
Deng, Zhuo Disclosed no conflict of interest.
DeNisco, Joseph A Disclosed no conflict of interest.
Denisov, Anton Disclosed no conflict of interest.
Dennison, Stanley Disclosed no conflict of interest.
Dennison, Stanley R Disclosed no conflict of interest.
Deosthale, Padmini Disclosed no conflict of interest.
Derefinko, Karen J Disclosed no conflict of interest.
D’Erminio, Danielle N Disclosed no conflict of interest.
Derocher, Chloe Disclosed no conflict of interest.
Derr, Tabitha Disclosed no conflict of interest.
Derwin, Kathleen Disclosed no conflict of interest.
Desai, Salomi Disclosed no conflict of interest.
DeSante, Robert Disclosed no conflict of interest.
DeSantis, Kendall Disclosed no conflict of interest.
DeSarno, Michael Disclosed no conflict of interest.
DeShazo, Sterling Disclosed no conflict of interest.
DeShazo, Sterling J Disclosed no conflict of interest.
Deshmukh, Narendra Disclosed no conflict of interest.
Deshpande, Abhishek Disclosed no conflict of interest.

1: Viscus Biologics; 3B: Collamedix; 8: JBJS; 9: ORS.
Deshpande, Rucha.3A: Dr. Rucha Deshpande is an employee of Serigen Mediproducs and receives salary from the company; 4: Dr. Rucha Deshpande has been offered stock options for Serigen mediproducs.

Deshpande, Rucha.3A: Dr. Rucha Deshpande is an employee of Serigen Mediproducs and receives salary for her work.; 4: Dr. Rucha Deshpande has been offered stock options for Serigen mediproducs.

DeSimone, Brooke. Disclosed no conflict of interest.

D'Este, Matteo. Disclosed no conflict of interest.

Detsky, Jay. Disclosed no conflict of interest.

Devaki, Raagni. Disclosed no conflict of interest.

Devan, Jan. Disclosed no conflict of interest.

Devet, Taylor. Disclosed no conflict of interest.

Devine, Daniel. Disclosed no conflict of interest.

Deviren, Vedat. Disclosed no conflict of interest.

DeVries Watson, Nicole. Disclosed no conflict of interest.

Dewan, Dayne. Disclosed no conflict of interest.

Dey Harza, Rony-Orijit. Disclosed no conflict of interest.

Deymier, Alix. Disclosed no conflict of interest.

Dhand, Abhishek P. Disclosed no conflict of interest.

Dhand, Abhishek. Disclosed no conflict of interest.

Dey Harza, Rony-Orijit. Disclosed no conflict of interest.

Deymier, Alix. Disclosed no conflict of interest.

Dhand, Abhishek P. Disclosed no conflict of interest.


Dhavale, Prachi. Disclosed no conflict of interest.

Dhawan, Aman. Disclosed no conflict of interest.

Dhillon, Deepa. Disclosed no conflict of interest.

Dhiman, Manmeet. Disclosed no conflict of interest.

Dhodapkar, Meera. 6: Richard K Gershon Fund at Yale School of Medicine; 8: NASSJ Associate Editor Visual Abstracts.

Dhodapkar, Meera. 6: Richard K Gershon Fund at Yale School of Medicine, Medical Student Annual Meeting Scholarship from Ruth Jackson Orthopaedic Society; 8: NASSJ Associate Editor Visual Abstracts.

Dhodapkar, Meera M......................6: Richard K. Gershon, M.D. Fund at Yale University School of Medicine, Ruth Jackson Orthopedic Society Medical Student Annual Meeting Scholarship; 8: Associate Editor, Visual Abstracts, North American Spine Society Journal.


Dhong, Charles ..................................Disclosed no conflict of interest.

Di Raimondo, Giacomo ..............Disclosed no conflict of interest.

Diamond, Laura E .......................Disclosed no conflict of interest.

Dias, Daniela..............................Disclosed no conflict of interest.

Dias, Luis........................................Disclosed no conflict of interest.

Dias, Shaquielle............................Disclosed no conflict of interest.

Diatta, Fortunay..........................Disclosed no conflict of interest.

Diaz Dilerinia, Fernando..............Disclosed no conflict of interest.

Diaz, Miguel A..............................Disclosed no conflict of interest.

Diaz, Rodrigo..............................3A: DePuy Synthes, a Johnson & Johnson Company; 4: Johnson & Johnson.

Diaz-Carballeda, David...............Disclosed no conflict of interest.

Dibbern, Kevin..........................Disclosed no conflict of interest.

Dibbern, Kevin N..........................Disclosed no conflict of interest.

Dibbern, Kevin N..........................Disclosed no conflict of interest.

Dicianno, Brad E..........................Disclosed no conflict of interest.

Diederich, Andrew.......................Disclosed no conflict of interest.

Diekman, Brian O..........................8: Connective Tissue Research.

Dies, Ross ..................................Disclosed no conflict of interest.

DiGiovanni, Grace.......................Disclosed no conflict of interest.

DiIorio, Sarah............................Disclosed no conflict of interest.

Dilek, Yeter..................................Disclosed no conflict of interest.

Dilger, Oliver B..........................Disclosed no conflict of interest.
Dilger, Oliver B. Disclosed no conflict of interest.
Dimauro, Jon-Paul Disclosed no conflict of interest.
Dimitriou, Ioanna Maria Disclosed no conflict of interest.
Dinelle, Katie Disclosed no conflict of interest.
DiNenna, Michael Disclosed no conflict of interest.
Dines, David 1: Zimmer Biomet.
Dines, Joshua 1: Arthrex, ConMed Linvatec.
Dinescu, Teodora A Disclosed no conflict of interest.
Ding, Jing Disclosed no conflict of interest.
Ding, Kehong Disclosed no conflict of interest.
Ding, Xinchun Disclosed no conflict of interest.
Dinh, Ethan Disclosed no conflict of interest.
Dinning, Stephen Disclosed no conflict of interest.
DiResta, Gene R Disclosed no conflict of interest.
Dirksen, Robert Disclosed no conflict of interest.
Disantis, Ashley Disclosed no conflict of interest.
DiStefano, Michael S Disclosed no conflict of interest.
DiStefano, Steven Disclosed no conflict of interest.
Distler, Oliver Disclosed no conflict of interest.
DiVasta, Alexandra Disclosed no conflict of interest.
Dixon, James 3C: Scancell Ltd, TherageniX; 4: TherageniX; 7A: Scancell Ltd, TherageniX.
Dixon, James E 3C: Scancell Ltd, TherageniX; 4: TherageniX; 7A: Scancell Ltd, TherageniX.
D'Lima, Darryl Disclosed no conflict of interest.
Do, Yejin Disclosed no conflict of interest.
Doan, Jasmine 3A: Biomomentum Inc.
Doan, Thanh Disclosed no conflict of interest.
Doan, Thanh N Disclosed no conflict of interest.
Doarn, Michael Disclosed no conflict of interest.
Dobransky, Simon Disclosed no conflict of interest.
Dobrindt, Oliver .................. Disclosed no conflict of interest.
Dodd, Andrew .................. Disclosed no conflict of interest.
Dodd, Jacob .................. Disclosed no conflict of interest.
Dodge, George R .................. 4: MechanoTherapeutics.
Dodge, George R .................. 4: Mechano-Therapeutics.
Dodyim, Natthiwan ............... Disclosed no conflict of interest.
Doehrmann, Ross ............... Disclosed no conflict of interest.
Does, Mark .................. Disclosed no conflict of interest.
Does, Mark D .................. Disclosed no conflict of interest.
Dogru, Sedat .................. Disclosed no conflict of interest.
Dohm, Michael ............... Disclosed no conflict of interest.
Dohn, Kaitlyn .................. Disclosed no conflict of interest.
Doi, Kazuma .................. Disclosed no conflict of interest.
Doi, Kenichiro ............... Disclosed no conflict of interest.
Domenge, Sophie ............... Disclosed no conflict of interest.
Domenighetti, Andrea (Andy) .... Disclosed no conflict of interest.
Domman-Scherrer, Corina ........ Disclosed no conflict of interest.
Donahue, Henry .................. Disclosed no conflict of interest.
Donahue, Henry J ............... Disclosed no conflict of interest.
Donahue, Seth .................. Disclosed no conflict of interest.
Donaldson, William ............... Disclosed no conflict of interest.
Dong, Gengfu .................. Disclosed no conflict of interest.
Dong, Minqing .................. Disclosed no conflict of interest.
Dong, Neil .................. Disclosed no conflict of interest.
Dong, Qing .................. Disclosed no conflict of interest.
Dong, Yufeng .................. Disclosed no conflict of interest.
Donley, Connor J ............... Disclosed no conflict of interest.
Donn, Samuel .......................... Disclosed no conflict of interest.
Donnelly, Emma .......................... Disclosed no conflict of interest.
Donneys, Alexis .......................... Disclosed no conflict of interest.
Dooris, Andrew .......................... Disclosed no conflict of interest.
Dorich, Jenny M. .......................... Disclosed no conflict of interest.
Döring, Kevin .......................... Disclosed no conflict of interest.
Doro, Miranda K .......................... Disclosed no conflict of interest.
Dorrance, Adam .......................... Disclosed no conflict of interest.
Dort, Trinity .......................... Disclosed no conflict of interest.
Dorthe, Erik .......................... Disclosed no conflict of interest.
Doshi, Jalpa .......................... 3B: Abbvie/Allergan, Acadia, Janssen, Merck, Otsuka, Takeda; 5: Janssen, Merck, Regeneron, Spark Therapeutics.
Dourdourekas, Jake .......................... Disclosed no conflict of interest.
Douros, Demetrios J .......................... Disclosed no conflict of interest.
Dowley, Kieran .......................... Disclosed no conflict of interest.
Dowley, Kieran S. .......................... Disclosed no conflict of interest.
Dowley, Kieran S. .......................... Disclosed no conflict of interest.
Downs, Emma .......................... Disclosed no conflict of interest.
Doyle, Stephanie E. .......................... Disclosed no conflict of interest.
Draghi, Lorenza .......................... Disclosed no conflict of interest.
Dragoo, Jason .......................... Disclosed no conflict of interest.
Dragoo, Jason .......................... Disclosed no conflict of interest.
Dragoo, Jason L .......................... Disclosed no conflict of interest.
Drain, Nicholas P .......................... Disclosed no conflict of interest.
Drake, Andrew C. .......................... Disclosed no conflict of interest.
Drake, Brett .......................... Disclosed no conflict of interest.
Drake, Brett A .......................... Disclosed no conflict of interest.
Drakos, Brett .......................... Disclosed no conflict of interest.
Drakos, Mark .......................... Disclosed no conflict of interest.
Drazan, John .............................. Disclosed no conflict of interest.
Drazan, John F ........................ Disclosed no conflict of interest.
Drees, Riley .............................. Disclosed no conflict of interest.
Dreiner, Maren ........................ Disclosed no conflict of interest.
Dreischarf, Marcel ..................... Aesculap AG Tuttlingen, Germany.
Dreyer, Timothy J ........................ Disclosed no conflict of interest.
Driban, Jeffrey .......................... Disclosed no conflict of interest.
Driscoll, Mark ........................... Disclosed no conflict of interest.
Driscoll, Tristan ........................ Disclosed no conflict of interest.
Drissi, Hicham ........................... Disclosed no conflict of interest.
Drohat, Philip ........................... Disclosed no conflict of interest.
Drouaud, Arthur P ........................ Disclosed no conflict of interest.
Drumm, Amelia .......................... Disclosed no conflict of interest.
Drumm, Amelia H ....................... Disclosed no conflict of interest.
Du, Dajiang ............................. Disclosed no conflict of interest.
Du, Jerry ................................. Disclosed no conflict of interest.
Du, Jiang ............................... Disclosed no conflict of interest.
Du, Jie ................................. Disclosed no conflict of interest.
Duah, Bianca ............................ Disclosed no conflict of interest.
Duah, Bianca A .......................... Disclosed no conflict of interest.
Dubale, Natnaiel M. ..................... Disclosed no conflict of interest.
Duchman, Kyle .......................... Disclosed no conflict of interest.
Duclos, Olivia ........................... Disclosed no conflict of interest.
Duculan, Roland ........................ Disclosed no conflict of interest.
Duda, Georg ............................. Disclosed no conflict of interest.
Duda, Georg N .......................... Disclosed no conflict of interest.
Dudakovic, Amel ......................... Disclosed no conflict of interest.
Dudli, Stefan ........................... 7A: Aclarion.
Dudli, Stefan ........................... 4: Aclarion.
Duff, Martine C ......................... Disclosed no conflict of interest.
Duffy, Michael ....................... Disclosed no conflict of interest.
Duffy, Paul ............................... 3B: Stryker, DePuy Synthes; 4: Tactile Orthopaedics.
Duiker, Melanie ....................... 3A: Paradigm Biopharmaceuticals Ltd.; 4: Paradigm Biopharmaceuticals Ltd.
Dukkipati, Siril Teja ................. Disclosed no conflict of interest.
Dulatova, Galina ....................... 3A: Employee of DiscGenics.
Dulitzki, Yoni ............................ Disclosed no conflict of interest.
Dumas, Alexandra A .................... Disclosed no conflict of interest.
Dunbar, Michael ....................... 1: Stryker; 3B: Stryker; 5: Stryker; 8: JBJS, Knee; 9: International RSA Society.
Dunbar, Michael J ........................ Disclosed no conflict of interest.
Dunbar, Michael ....................... 1: Stryker; 3B: Stryker; 5: Stryker, DePuy; 8: BJJ Editorial Board.
Dunbar, Michael J ....................... 1: Stryker; 3B: Stryker; 8: BJJ Editorial Board.
Dunbar, Michael ....................... Disclosed no conflict of interest.
Dunbar, Nicholas ....................... Disclosed no conflict of interest.
Dunbar, Nicholas ....................... Disclosed no conflict of interest.
Dunbar, Nicholas ....................... Disclosed no conflict of interest.
Dunbar, Nicholas ....................... Disclosed no conflict of interest.
Dunbar, Nicholas ....................... Disclosed no conflict of interest.
Dunbar, Nicholas ....................... Disclosed no conflict of interest.
Dunn, Warren ........................... Disclosed no conflict of interest.
Dunning, Hans ......................... Disclosed no conflict of interest.
Duong, Andrew ......................... Disclosed no conflict of interest.
Duong, Jessica ......................... Disclosed no conflict of interest.
Dupont, Ken ........................... 3A: Enovis.
Duque, Gerardo ......................... Disclosed no conflict of interest.
Duquin, Thomas R ................... 1: Zimmer Biomet Holdings; 3B: Zimmer Biomet Holdings, Fix Surgical; 5: Zimmer Biomet Holdings.
Durgam, Sushmitha .................... Disclosed no conflict of interest.
Durudogan, Eric S ..................... Disclosed no conflict of interest.
Duryea, Jeffrey ....................... Disclosed no conflict of interest.
Duvall, Craig ........................... Disclosed no conflict of interest.
Duvall, Craig L ........................ Disclosed no conflict of interest.
Duvvuri, Priya .......................... Disclosed no conflict of interest.
Dworkin, Joshua .......................... *Disclosure of conflict of interest.*
Dy, Christopher J. .......................... *Disclosure of conflict of interest.*
Dyment, Nathaniel .......................... *Disclosure of conflict of interest.*
Dyment, Nathaniel A. .......................... *Disclosure of conflict of interest.*
Dyment, Nathaniel A. .......................... *Disclosure of conflict of interest.*
Dziesinski, Lucas K .......................... *Disclosure of conflict of interest.*
Dziuk, Cody .......................... 3A: MCW.
Earll, Erin .......................... *Disclosure of conflict of interest.*
Easley, Jeremiah .......................... 4: Intelligent Implants, Inc., CytexOrtho, Inc.
Easley, Jeremiah .......................... 4: Intelligent Implants, Inc. and CytexOrtho, Inc.
Easson, Garrett .......................... *Disclosure of conflict of interest.*
Easson, Garrett W.D. .......................... *Disclosure of conflict of interest.*
Easson, Margaret .......................... *Disclosure of conflict of interest.*
Easterbrook, Adam .......................... *Disclosure of conflict of interest.*
Eastman, Jonathan G .......................... *Disclosure of conflict of interest.*
Easton, Katrina .......................... *Disclosure of conflict of interest.*
Easton, Sarah M. .......................... *Disclosure of conflict of interest.*
Eatough, Zachary .......................... *Disclosure of conflict of interest.*
Eatough, Zachary J. .......................... *Disclosure of conflict of interest.*
Ebata, Taku .......................... *Disclosure of conflict of interest.*
Eberhardt, Alan .......................... *Disclosure of conflict of interest.*
Eberhardt, Lauren .......................... *Disclosure of conflict of interest.*
Eberlin, Christopher .......................... *Disclosure of conflict of interest.*
Eberlin, Christopher T. .......................... *Disclosure of conflict of interest.*
Ebihara, Bungo .......................... *Disclosure of conflict of interest.*
Ebrahimi, Alireza .......................... *Disclosure of conflict of interest.*
Ebrahimi, Mina .......................... *Disclosure of conflict of interest.*
Ebramzadeh, Edward Disclosed no conflict of interest.

Ebron, Karl Matt Disclosed no conflict of interest.

Echevarria, Alexandra C Disclosed no conflict of interest.

Echevarria, Alexandra E Disclosed no conflict of interest.

Eckstein, Felix 3B: Kolon TissueGene, Novartis, 4Moving Biotech, Trialspark; 4: Chondrometrics.

Eckstein, Kevin N. Disclosed no conflict of interest.

Eda, Yusuke Disclosed no conflict of interest.

Edan, Hodo Ali Disclosed no conflict of interest.

Edelstein, Adam 3A: Northwestern University Feinberg School of Medicine.

Edgerton, V. Reggie Disclosed no conflict of interest.


Edwards, John R 5: Orthofix; 8: 33 Medical.

Edwards, Jorge B Disclosed no conflict of interest.


Eekhoff, Jeremy Disclosed no conflict of interest.

Eekhoff, Jeremy D Disclosed no conflict of interest.

Efrem, Ruth Disclosed no conflict of interest.

Egan, Ryan Disclosed no conflict of interest.

Eghan-Acquah, Emmanuel Disclosed no conflict of interest.

Egilin, David Disclosed no conflict of interest.

Ehan, Nihamul Disclosed no conflict of interest.

Ehara, Yutaka Disclosed no conflict of interest.

Eghioghae, Mark Disclosed no conflict of interest.

Ehlen, Quinn Disclosed no conflict of interest.

Ehrhart, Nicole 3B: Onkos Surgical, Ripple Neuromed.

Eichholz, Kian Disclosed no conflict of interest.

Eidman, Zachary M Disclosed no conflict of interest.
Eigo, Katherine ............................ Disclosed no conflict of interest.
Eijansantos, Mando L ..................... Disclosed no conflict of interest.
Einhorn, Thomas A ........................ Disclosed no conflict of interest.
Eisner, Lainie E ........................... Disclosed no conflict of interest.
El Hor, Hicham ............................ Disclosed no conflict of interest.
El Kommos, Anthony ........................ Disclosed no conflict of interest.
El Masry, Seif ............................. Disclosed no conflict of interest.
El Naga, Ashraf ............................ Disclosed no conflict of interest.
Elahi, Seyed Ali ......................... Disclosed no conflict of interest.
Elazaly, Hisham ............................ Disclosed no conflict of interest.
Elder, Benjamin ............................ Disclosed no conflict of interest.
Elder, Justin ............................... Disclosed no conflict of interest.
Elefteriou, Florent ......................... Disclosed no conflict of interest.
Eleh, Chiadika ............................. Disclosed no conflict of interest.
Elfar, John ................................. Disclosed no conflict of interest.
Elgafy, Hossein ............................ Disclosed no conflict of interest.
Elhabian, Shireen ........................... Disclosed no conflict of interest.
Elhabian, Shireen Y ....................... Disclosed no conflict of interest.
Elias, John ................................. Disclosed no conflict of interest.
Elias, John J ............................... Disclosed no conflict of interest.
Elias, Josh ................................. Disclosed no conflict of interest.
Elias, Tristan .............................. Disclosed no conflict of interest.
Elias, Tristan J ............................ Disclosed no conflict of interest.
Eliasberg, Claire .......................... Disclosed no conflict of interest.
Eliasberg, Claire D ....................... Disclosed no conflict of interest.
Elizabeth, Seidl ............................ Disclosed no conflict of interest.
Elkhouly, Khaled .......................... Disclosed no conflict of interest.
Elkins, Jacob .............................. 3B: Depuy.
Elkins, Jacob
5: Research Support (DePuy Synthes), Research Support (IronMind); 8: Editor (Journal of Arthroplasty).

Elkins, Jacob M
5: Research Support (DePuy Synthes), Research Support (IronMind); 8: Editor (Journal of Arthroplasty).

Elkousy, Hussein
Disclosed no conflict of interest.

Ellermann, Jutta
Disclosed no conflict of interest.

Ellinghaus, Agnes
Disclosed no conflict of interest.

Ellingson, Arin M
5: Medtronic.

Ellingson, Arin M.
5: Medtronic.

Elliot, Chloe
Disclosed no conflict of interest.

Elliott, Dawn
9: ORS.

Elliott, Dawn M
9: ORS Board of Directors.

Elliott, Iain
Disclosed no conflict of interest.

Elliott, Jake
Disclosed no conflict of interest.

Ellis, Adam
Disclosed no conflict of interest.

Ellis, Scott

Ellythy, Suhaib
Disclosed no conflict of interest.

ElNemer, William
Disclosed no conflict of interest.

El-Othmani, Mouhanad
Disclosed no conflict of interest.

Elsaid, Khaled
Disclosed no conflict of interest.

Elwell, Josie
3A: Exactech, Inc.

Elysee, Jonathan
Disclosed no conflict of interest.

Emans, Peter
Disclosed no conflict of interest.

Emans, Peter J.
4: shares in Chondropeptix BV.

Emans, Pieter
Disclosed no conflict of interest.

Emara, Ahmed
Disclosed no conflict of interest.

Emery, Roger
Disclosed no conflict of interest.

Emerzian, Shannon R
Disclosed no conflict of interest.

Emily, Teehan
Disclosed no conflict of interest.
Emmens, Jalissa D...Disclosed no conflict of interest.
Endo, Kentaro...Disclosed no conflict of interest.
Endo, Takeshi...Disclosed no conflict of interest.
Endo, Tsutomu...Disclosed no conflict of interest.
Eng, Tracy...Disclosed no conflict of interest.
Engen, Phillip...Disclosed no conflict of interest.
Engiles, Julie...Disclosed no conflict of interest.
Englander, Zoë A...Disclosed no conflict of interest.
Engler, Adam J...Disclosed no conflict of interest.
Englund, Martin...9: Board member of the Osteoarthritis Research Society International.
Englund, Martin...9: President-elect for Osteoarthritis Research Society International.
Engstrom, Stephen...3B: Enovis, LinkBio; 9: AAHKS-Advocacy Committee, AAOS-Coding Coverage and Reimbursement Committee.
Engstrom, Stephen...3B: Enovis, LinkBio; 9: AAHKS-Advocacy Committee.
Enokida, Makoto...Disclosed no conflict of interest.
Enomoto, Atsushi...Disclosed no conflict of interest.
Enomoto, Mitsuhiro...Disclosed no conflict of interest.
Enomoto, Saaya...Disclosed no conflict of interest.
Entezari, Vahid...3B: DJO; 5: DJO.
Eppell, Steven J...Disclosed no conflict of interest.
Epperson, Aaron B...Disclosed no conflict of interest.
Epsley, Scott...Disclosed no conflict of interest.
Epure, Laura...Disclosed no conflict of interest.
Erdemir, Ahmet...Disclosed no conflict of interest.
Erdogan, Ayten E...Disclosed no conflict of interest.
Erens, Greg...Disclosed no conflict of interest.
Ergul, Yasemin S...Disclosed no conflict of interest.
Ergul, Yasemin Sude...Disclosed no conflict of interest.
Ergün, Utku...Disclosed no conflict of interest.
Erhart-Hledik, Jennifer C...Disclosed no conflict of interest.
Disclosed no conflict of interest.
Evans-Pickett, Alyssa ............ *Disclosed no conflict of interest.*

Everingham, John B .................. *Disclosed no conflict of interest.*

Evseenko, Denis .................... 4: A co-founder and significant shareholder of Carthronix Inc.

Evseenko, Denis .................... 4: Co-founder and stockholder of Carthronix Inc.

Eyckmans, Jeroen .................... *Disclosed no conflict of interest.*

Ezaki, Akihiko ....................... *Disclosed no conflict of interest.*

Ezeonu, Teeto ......................... *Disclosed no conflict of interest.*

F. McCarthy, Edward ............... *Disclosed no conflict of interest.*

Faber, Kenneth J .................... 1: Exactech; 3B: Exactech.

Fadale, Paul D ....................... *Disclosed no conflict of interest.*

Fadial, Eloise ......................... *Disclosed no conflict of interest.*

Fahey, Megan J ...................... *Disclosed no conflict of interest.*

Fahs, Adam .......................... *Disclosed no conflict of interest.*

Fainor, Matthew ..................... *Disclosed no conflict of interest.*

Faisal, Tanvir ........................ *Disclosed no conflict of interest.*

Fajardo, Roberto J ................... *Disclosed no conflict of interest.*

Falck, Alaina ........................  *Disclosed no conflict of interest.*

Falck, Alaina L. ...................... *Disclosed no conflict of interest.*

Fallahi, Hooman ...................... *Disclosed no conflict of interest.*

Fallon, John .......................... *Disclosed no conflict of interest.*

Famaey, Nele ........................ *Disclosed no conflict of interest.*

Familiari, Filippo .................... *Disclosed no conflict of interest.*

Fan, Chen-Ming ....................... *Disclosed no conflict of interest.*

Fan, Hongming ....................... *Disclosed no conflict of interest.*

Fan, Ming ............................ *Disclosed no conflict of interest.*

Fan, Mingyue ......................... *Disclosed no conflict of interest.*

Fan, Wen .............................. 3B: Exactech.

Fan, Xiaoyu ........................... *Disclosed no conflict of interest.*

Fan, Yingfang ......................... *Disclosed no conflict of interest.*

Fancello, Eduardo ................... *Disclosed no conflict of interest.*
Fancello, Eduardo A..................Disclosed no conflict of interest.
Fancello, Eduardo Alberto........Disclosed no conflict of interest.
Fang, Chih-Hsiang ..................Disclosed no conflict of interest.
Fang, Fei ................................Disclosed no conflict of interest.
Fang, Samuel Z ....................3A: Enovis.
Fang, Zhaoyi .........................Disclosed no conflict of interest.
Fanjaniaina Andriamifidy, Henintsoa Disclosed no conflict of interest.
Fanjaniaina Andriyamifidy, Henintsoa Disclosed no conflict of interest.
Fanning, Christina ..................Disclosed no conflict of interest.
Fano, Adam ................................Disclosed no conflict of interest.
Faouad, Ahmed ......................Disclosed no conflict of interest.
Farach-Carson, Mary ..............Disclosed no conflict of interest.
Farber, Charles R ..................Disclosed no conflict of interest.
Farè, Silvia ..........................Disclosed no conflict of interest.
Farell, Alex ..........................Disclosed no conflict of interest.
Farell, Alexander ..................Disclosed no conflict of interest.
Farnsworth, Christine ..........Disclosed no conflict of interest.
Farnsworth, Christine L .........Disclosed no conflict of interest.
Faro, Frances .......................Disclosed no conflict of interest.
Farrahi, Vahid .......................Disclosed no conflict of interest.
Farrell, Brian ........................Disclosed no conflict of interest.
Farrell, Easton .....................Disclosed no conflict of interest.
Farrow, Lutul .......................5: OREF; 8: AJSM, VJSM.
Farrow, Lutul D ....................Disclosed no conflict of interest.
Farshad, Mazda ....................Disclosed no conflict of interest.
Farshad-Amacker, Nadja .........Disclosed no conflict of interest.
Faruq, Omar .........................Disclosed no conflict of interest.
Fassler, Richelle ..................Disclosed no conflict of interest.
Fassler, Richelle P ................Disclosed no conflict of interest.
Fathi, Amir .........................Disclosed no conflict of interest.
Faulkner, Halleigh  
Disclosed no conflict of interest.

Favazzo, Lacey  
Disclosed no conflict of interest.

Favre, Mason  
Disclosed no conflict of interest.

Fawley, David W  
3A: DePuy Synthes, a Johnson & Johnson Company; 4: Johnson & Johnson.

Fayed, Aly  
Disclosed no conflict of interest.

Fearing, Bailey V.  
Disclosed no conflict of interest.

Fetherall, Joseph  
Disclosed no conflict of interest.

Federico, Salvatore  
Disclosed no conflict of interest.

Feeley, Brian  
5: Stryker, CIRM.

Feenstra, Jeske C.A.  
Disclosed no conflict of interest.

Fehrenbach, Pia  
Disclosed no conflict of interest.

Feih, Stefanie  
Disclosed no conflict of interest.

Feiz Barazandeh, Aida  
Disclosed no conflict of interest.

Felice, Hilary  
Disclosed no conflict of interest.

Feng, Hong C  
Disclosed no conflict of interest.

Feng, Lu  
Disclosed no conflict of interest.

Feng, Meng  
Disclosed no conflict of interest.

Feng, Wenli  
Disclosed no conflict of interest.

Fennema, Peter  
5: ADSM, a Tyber Medical Company.

Fergui, Hernandez  
Disclosed no conflict of interest.

Ferguson, Ellie  
Disclosed no conflict of interest.

Ferguson, Stephen  
Disclosed no conflict of interest.

Ferguson, Stephen J  
Disclosed no conflict of interest.

Ferguson, Virginia  
Disclosed no conflict of interest.

Ferguson, Virginia L.  
Disclosed no conflict of interest.

Fermin, Gilbert  
Disclosed no conflict of interest.

Fernandes, Lorenzo  
Disclosed no conflict of interest.

Fernando, Navin D  
Disclosed no conflict of interest.
Ferraro, Joseph ..........................Disclosed no conflict of interest.
Ferreira Ruble, Ana......................Disclosed no conflict of interest.
Ferreira, Cole ............................Disclosed no conflict of interest.
Ferreira, Louis M......................5: Mathys Medical, Medacta, B.Braun.
Ferrer, Andrew .......................Disclosed no conflict of interest.
Ferrer, Xavier ..........................Disclosed no conflict of interest.
Ferrerira Alves, Andressa G.........Disclosed no conflict of interest.
Fertiitta, Davin........................Disclosed no conflict of interest.
Feuchtenberger, Bennett............Disclosed no conflict of interest.
Fialkov, Jeffery .......................Disclosed no conflict of interest.
Fidai, Alikhan ..........................Disclosed no conflict of interest.
Fidelis, Obinna .......................Disclosed no conflict of interest.
Fiedler, Goeran .......................Disclosed no conflict of interest.
Fields, Aaron J........................Disclosed no conflict of interest.
Fields, Aaron J ........................Disclosed no conflict of interest.
Figueroa, Gerardo ......................Disclosed no conflict of interest.
Filley, Anna ............................Disclosed no conflict of interest.
Fincher, Phillip .......................Disclosed no conflict of interest.
Fini, Milena ............................Disclosed no conflict of interest.
Fink, Bernd ..............................1: Aesculap AG Tuttlingen, Germany.
Finkel, Ryan A .........................Disclosed no conflict of interest.
Finkelstein, Joel ......................Disclosed no conflict of interest.
Finkelstien, Joel ......................Disclosed no conflict of interest.
Finnila, Mikko ..........................Disclosed no conflict of interest.
Finnilä, Mikko ..........................Disclosed no conflict of interest.
Finnoff, Jonathan .....................Disclosed no conflict of interest.
Firoozabadi, Reza .....................1: Innomed; 2: Honoraria from AO North America; 3B: Smith and Nephew; 9: Committee Membership with Orthopaedic Trauma Association.
Firoozi, Saman .......................Disclosed no conflict of interest.
Firth, Andrew ..........................Disclosed no conflict of interest.
Firth, Andrew D. Disclosed no conflict of interest.
Fiscella, Kevin Disclosed no conflict of interest.
Fisch, Kathleen M Disclosed no conflict of interest.
Fischenich, Kristine Disclosed no conflict of interest.
Fischer, Verena Disclosed no conflict of interest.
Fishbaugh, James Disclosed no conflict of interest.
Fisher, John Disclosed no conflict of interest.
Fisher, Matthew Disclosed no conflict of interest.
Fisher, Matthew B Disclosed no conflict of interest.
Fitzpatrick, Clare Disclosed no conflict of interest.
Flaherty, Alexandra Disclosed no conflict of interest.
Flanagan, Will Disclosed no conflict of interest.
Flavin, Robert 5: Tyber Medical.
Fleischer, Gary Disclosed no conflict of interest.
Fletcher, Bryce T Disclosed no conflict of interest.
Fletcher, Cassandra Disclosed no conflict of interest.
Florea, Cristina Disclosed no conflict of interest.
Flores, Carmen Disclosed no conflict of interest.
Floyd, Candace Disclosed no conflict of interest.
Fluit, René Disclosed no conflict of interest.
Flurin, Pierre-Henri 3B: Exactech, Inc; 7A: Exactech, Inc.
Fogarty, Natalie Disclosed no conflict of interest.
Fogarty, Natalie L. Disclosed no conflict of interest.
Fogel, Adam Disclosed no conflict of interest.
Fok Lau, Shierly Disclosed no conflict of interest.
Fok Lau, Shierly W Disclosed no conflict of interest.
Foley, Aidan Disclosed no conflict of interest.
Foley, Bria Disclosed no conflict of interest.
Folk, Sarah Disclosed no conflict of interest.
Fong, Alex Disclosed no conflict of interest.
Fong, Scott Disclosed no conflict of interest.
Fontalis, Andreas Disclosed no conflict of interest.
Fontana, Gianluca Disclosed no conflict of interest.
Foody, Jacqueline Disclosed no conflict of interest.
Foody, Jacqueline N Disclosed no conflict of interest.
Foolen, Jasper Disclosed no conflict of interest.
Ford, Marcus 3B: DePuy, Osteoremedies; 7B: Elsevier Inc.
Ford, Marcus C 1: Medacta; 3B: Osteoremedies; Medacta; Depuy and Johnson & Johnson Co; 5: Medacta; Depuy a Johnson & Johnson Co.; 7B: Elsevier; 8: OCNA; 9: AAHKS.
Foreman, Kenneth B Disclosed no conflict of interest.
Forer, Jarod Disclosed no conflict of interest.
Forer, Jarod M Disclosed no conflict of interest.
Forester, Celeste E Disclosed no conflict of interest.
Forlenza, Enrico Disclosed no conflict of interest.
Forrester, Lynn Ann Disclosed no conflict of interest.
Forsthoefel, Craig Disclosed no conflict of interest.
Forsyth, Christopher Disclosed no conflict of interest.
Forsythe, Brian 7A: Stryker, Arthrex; 9: AOSSM.
Forsythe, Brian 4: Sparta Biomedical.
Fortin, Aiyana G..........................Disclosure no conflict of interest.
Forton, Charles .......................3A: Acuity Surgical.
Foster, Deshka..........................Disclosure no conflict of interest.
Foster, Jaydee...........................Disclosure no conflict of interest.
Foster, Lauren.........................Disclosure no conflict of interest.
Foster, Micah...........................Disclosure no conflict of interest.
Foster, Timothy........................Disclosure no conflict of interest.
Fouad, Ahmed...........................Disclosure no conflict of interest.
Fouad, Ahmed S........................Disclosure no conflict of interest.
Foucher, Kharma.......................Disclosure no conflict of interest.
Foureau, David M.....................Disclosure no conflict of interest.
Fowler, John............................Disclosure no conflict of interest.
Fowler, Mia J..........................Disclosure no conflict of interest.
Fowler, Timothy P.....................Disclosure no conflict of interest.
Fowlkes, John L........................Disclosure no conflict of interest.
Fox, Edward...........................Disclosure no conflict of interest.
Fox, Micheal...........................Disclosure no conflict of interest.
Fox, Paige..............................Disclosure no conflict of interest.
Fraenkel, Liana.......................9: Am College Rheumatology.
Fragassi, Agnese......................Disclosure no conflict of interest.
Fram, Brianna R.......................Disclosure no conflict of interest.
Franchin, Amelia.....................Disclosure no conflict of interest.
Franck, Christian.................Disclosure no conflict of interest.
Frank, Marini..........................Disclosure no conflict of interest.
Frankel, Hannah.....................3A: Smith & Nephew; 4: Smith & Nephew.
Franklin, Cynthia....................Disclosure no conflict of interest.
Frankston, Naomi ........................................Disclosed no conflict of interest.
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Fredericks, Douglas ....................................Disclosed no conflict of interest.
Fredrick, Livia ........................................Disclosed no conflict of interest.
Freedman, Benjamin ................................4: Limax Biosciences.
Freedman, Joseph ......................................Disclosed no conflict of interest.
Freedman, Robert .....................................3A: Depuy Synthes.
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Freitas, Michael ......................................Disclosed no conflict of interest.
Freking, Collin ........................................Disclosed no conflict of interest.
Frew, Kylie ...........................................Disclosed no conflict of interest.
Frew, Kylie S ........................................Disclosed no conflict of interest.
Friday, Chet ...........................................Disclosed no conflict of interest.
Friday, Chet S ........................................Disclosed no conflict of interest.
Friedman, Michael ....................................Disclosed no conflict of interest.
Friedman, Michael A ..............................Disclosed no conflict of interest.
Frier, Kelly ...........................................Disclosed no conflict of interest.
Friess, Darin ..........................................Disclosed no conflict of interest.
Fritton, Susannah P ...............................Disclosed no conflict of interest.
Fritz, Christian .......................................Disclosed no conflict of interest.
Fritz, Connor D ...Disclosed no conflict of interest.
Fritz, Jessica ...3A: MCW.
Fritz, Jessica M ...Disclosed no conflict of interest.
Frontera-Rodriguez, Sebastian ...Disclosed no conflict of interest.
Frontera-Rodriguez, Sebastián ...Disclosed no conflict of interest.
Frumberg, David ...Disclosed no conflict of interest.
Fry, Sydney ...Disclosed no conflict of interest.
Fry, Sydney A ...Disclosed no conflict of interest.
Frye, Libby ...Disclosed no conflict of interest.
Fu, Bruma Sai-Chuen ...Disclosed no conflict of interest.
Fu, Cassidy ...Disclosed no conflict of interest.
Fu, Michael ...Disclosed no conflict of interest.
Fu, Wenyu ...Disclosed no conflict of interest.
Fuentes, Alex ...3A: Emovi; 4: Emovi.
Fugazzola, Maria ...Disclosed no conflict of interest.
Fugazzola, Maria C ...Disclosed no conflict of interest.
Fujie, Hiromichi ...Disclosed no conflict of interest.
Fujihara, Ryuji ...Disclosed no conflict of interest.
Fujii, Kenzo ...Disclosed no conflict of interest.
Fujii, Masanori ...Disclosed no conflict of interest.
Fujii, Msanori ...Disclosed no conflict of interest.
Fujii, Sei ...Disclosed no conflict of interest.
Fujii, Takayuki ...Disclosed no conflict of interest.
Fujii, Yuta ...Disclosed no conflict of interest.
Fujikawa, Yuki ...Disclosed no conflict of interest.
Fujino, Keiraro ...Disclosed no conflict of interest.
Fujino, Keita ...Disclosed no conflict of interest.
Fujino, Keitaro ...Disclosed no conflict of interest.
Fujisato, Toshiya ...Disclosed no conflict of interest.
Fujita, Jo ...Disclosed no conflict of interest.
Fujita, Jun: Disclosed no conflict of interest.
Fujita, Shintaro: Disclosed no conflict of interest.
Fujitani, Teruaki: Disclosed no conflict of interest.
Fujiwara, Shuichi: Disclosed no conflict of interest.
Fujiwara, Tatsuhiko: Disclosed no conflict of interest.
Fujiwara, Tomohiro: Disclosed no conflict of interest.
Fukai, Fumio: Disclosed no conflict of interest.
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Fukuda, Hideaki: Disclosed no conflict of interest.
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Fung, Ashley K: Disclosed no conflict of interest.
Fung, Stephanie L: Disclosed no conflict of interest.
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Furuichi, Takuya .......................... Disclosed no conflict of interest.
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Furumatsu, Takayuki ....................... Disclosed no conflict of interest.
Furutani, Tomoki .......................... Disclosed no conflict of interest.
Fury, Mathew .............................. Disclosed no conflict of interest.
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Gacasan, Erica G ........................... Disclosed no conflict of interest.
Gaddis, John ............................... Disclosed no conflict of interest.
Gaddis, John M ............................ Disclosed no conflict of interest.
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Gagarin, Ernesto ........................... Disclosed no conflict of interest.
Gage, Mark ................................. Disclosed no conflict of interest.
Gagne, Jack ............................... Disclosed no conflict of interest.
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Gagnier, Joel .............................. Disclosed no conflict of interest.
Gagnier, Joel J ............................. Disclosed no conflict of interest.
Gagnon, Stephane ........................... Disclosed no conflict of interest.
Gagnon, Stéphane ........................... Disclosed no conflict of interest.
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Gamada, Hisanori .......................... Disclosed no conflict of interest.
Gambari, Laura .......................... Disclosed no conflict of interest.
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Gamble, Darian J .......................... Disclosed no conflict of interest.
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Ganesh, Shankar M .......................... Disclosed no conflict of interest.
Ganesh, Venkateswaran .................. Disclosed no conflict of interest.
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Gangi, Lianna R .......................... Disclosed no conflict of interest.
Ganio, Edward .......................... Disclosed no conflict of interest.
Ganley, Ted .......................... Disclosed no conflict of interest.
Ganokroj, Phob .......................... Disclosed no conflict of interest.
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Gao, Kewa .......................... Disclosed no conflict of interest.
Gao, Qi .......................... Disclosed no conflict of interest.
Gao, Xueqin .......................... Disclosed no conflict of interest.
Gao, Yun .......................... Disclosed no conflict of interest.
Garavito, Jorge .......................... Disclosed no conflict of interest.
Garceau, Simon .......................... Disclosed no conflict of interest.
Garcia Andujar, Rafael A ............... Disclosed no conflict of interest.
Garcia Fleury, Ignacio .................... Disclosed no conflict of interest.
Garcia Jr, Geronimo .......................... Disclosed no conflict of interest.
Garcia, Alexander .......................... Disclosed no conflict of interest.
Garcia, Alexander J .......................... Disclosed no conflict of interest.
Garcia, Alexander R .......................... Disclosed no conflict of interest.
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Gehret, Paul.............................Disclosed no conflict of interest.

Gehret, Paul M...........................Disclosed no conflict of interest.

Geiger, Kyle.............................Disclosed no conflict of interest.

Geissler, Sven............................Disclosed no conflict of interest.

Geissler, Thomas........................Disclosed no conflict of interest.

Geissler, Thomas M.....................Disclosed no conflict of interest.

Geist, Sydney............................Disclosed no conflict of interest.

Geissner, Michael......................Disclosed no conflict of interest.

Gendelberg, David......................Disclosed no conflict of interest.

Genetos, Damian C......................Disclosed no conflict of interest.

Geng, Fei..................................Disclosed no conflict of interest.

Genge, Kaitlin............................Disclosed no conflict of interest.

Genge, Kaitlin J..........................Disclosed no conflict of interest.

Genin, Guy................................Disclosed no conflict of interest.

Genoud, Katelyn J......................Disclosed no conflict of interest.

Gentile, Michael.......................5: Tyber Medical.

Gentile, Pietro...........................Disclosed no conflict of interest.

Geohring, Terrin.........................Disclosed no conflict of interest.

George, Andrew.........................Disclosed no conflict of interest.

George, Tom..............................Disclosed no conflict of interest.
Georgiopoulos, Miltiadis

Geraghty, Terese

Gerig, Guido

Geris, Liesbet

Gerlinger, Tad

Gerossier, Estelle

Gersie, Thomas S

Gerstenfeld, Louis

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Ghanem, Diane

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Ghayoor, Milad

Gheisari, Anahita

Ghezelbash, Farshid

Ghezzi, Daniele

Ghilzai, Umar M

Gholami, Parham

Giakas, Alec

Giambini, Hugo

Giannone, Adrienne

Gianotti, Sofia

Giavaresi, Gianluca
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<td>Gilbert, Jeremy L</td>
<td>1: Syracuse University; 3B: Syracuse Bio-Materials Company, Zimmer Biomet, Smith and Nephew, Stryker Orthopedics, Depuy Synthes, Naples Community Hospital, Omnilife Sciences; 5: Depuy Synthes, Bayer,Inc; 7B: J Wiley and Sons; 8: Journal of biomedical Materials Research - Part B; 9: Council of the Society for Biomaterials.</td>
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Giordano, Brian .................................. 7A: Arthrex Inc.

Giovanni, Solitro .................................. Disclosed no conflict of interest.

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Girardi, Federico P ............................ 1: Lanx, Inc., Ortho Developement Corp; 4: Healthpoint Capital Partners, LP.

Girardi, Federico P ............................ 1: LANX, Inc., Ortho Development Corp.; 4: Healthpoint Capital Partners, LP.


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Gladwin, Mark .................................. Disclosed no conflict of interest.

Glaser, Juliane D .................................. Disclosed no conflict of interest.

Glass, Natalie .................................. Disclosed no conflict of interest.

Glenday, Jonathan D .......................... Disclosed no conflict of interest.

Glimm, Matthew .................................. Disclosed no conflict of interest.

Glover, Abbey .................................. Disclosed no conflict of interest.

Gnanamanickam, Emmanuel .................. Disclosed no conflict of interest.

Gnanasekar, Varun ................................ Disclosed no conflict of interest.

Gobbato, Bruno ................................. 3B: Exactech, Inc.

Goble, Haley .................................. Disclosed no conflict of interest.

Godbold, Edward .................................. Disclosed no conflict of interest.
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<td>Godfrey, Dana</td>
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<td>Shoulder and Elbow Surgeons, Arthroscopy Association of North America.</td>
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<td>Godin, Jonathan</td>
<td>3B: Bioventus, Mitek, Smith &amp; Nephew; 4: NICE; 9: ASES, AANA.</td>
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<td>Gofton, Wade</td>
<td>3B: Zimmer Biomet, Microport.</td>
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<td>Goh, Qingnian</td>
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<td>Gokani, Vishal</td>
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<td>Gold, Garry</td>
<td>5: GE Healthcare.</td>
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<td>Goldberg, Benjamin</td>
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Gomez-Contreras, Piedad C ......*Disclosed no conflict of interest.*
Gomez-Salazar, Mario ............*Disclosed no conflict of interest.*
Gonçalves, Ines F ..................*Disclosed no conflict of interest.*
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Gonzales, Luigi .....................*Disclosed no conflict of interest.*
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González Díaz, Eva C ...............*Disclosed no conflict of interest.*
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Gonzalez, Christian ...............*Disclosed no conflict of interest.*
Gonzalez, Christian A .............*Disclosed no conflict of interest.*
Gonzalez, Christian E .............*Disclosed no conflict of interest.*
Gonzalez, Christopher ............*Disclosed no conflict of interest.*
Gonzalez, Felipe .....................*Disclosed no conflict of interest.*
Gonzalez, Felipe F .................*Disclosed no conflict of interest.*
Gonzalez, Mark .....................*Disclosed no conflict of interest.*
Gonzalez, Mark H ...................*Disclosed no conflict of interest.*
Gonzalez, Mark H ...................*Disclosed no conflict of interest.*
Gonzalez-Gutierrez, Guadalupe  *Disclosed no conflict of interest.*
Gonzalez-Nolde, Sofia .......... *Disclosed no conflict of interest.*
González-Vázquez, Arlyng .......*Disclosed no conflict of interest.*
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Goodman, Stuart B ................*Disclosed no conflict of interest.*
Goodman, Stuart B ................*Disclosed no conflict of interest.*
Goodrow, Emma ...................*Disclosed no conflict of interest.*
Goodwin, Alyssa .............. *Disclosed no conflict of interest.*


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Goshima, Atsushi .................. *Disclosed no conflict of interest.*

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Goto, Bunsei .................. *Disclosed no conflict of interest.*

Goto, Yuta .................. *Disclosed no conflict of interest.*

Gottardi, Riccardo .................. *Disclosed no conflict of interest.*

Gottlich, Caleb .................. *Disclosed no conflict of interest.*

Gottschalk, Michael .............. 5: Stryker, Konica Minolta, Arthrex, Acumed; 8: Journal of Hand Surgery.


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Gould, Nicole .................. *Disclosed no conflict of interest.*

Gouzoulis, Michael .................. *Disclosed no conflict of interest.*

Gouzoulis, Michael J .................. *Disclosed no conflict of interest.*

Govindan, Rajkumar .................. *Disclosed no conflict of interest.*

Grad, Sibylle .................. *Disclosed no conflict of interest.*

Graf, Alexander .................. *Disclosed no conflict of interest.*

Graf, Kenneth .................. *Disclosed no conflict of interest.*

Graham, Alexis .................. *Disclosed no conflict of interest.*

Graham, Benjamin C .................. *Disclosed no conflict of interest.*

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Grande, Daniel 3B: yes; 3C: yes; 4: yes; 5: yes; 8: yes; 9: yes.

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Gray, Trayce Disclosed no conflict of interest.

Grayson, Warren Disclosed no conflict of interest.

Grayson, Warren L Disclosed no conflict of interest.

Grayson, Warren L Disclosed no conflict of interest.
Graziani, Gabriela ..........Disclosed no conflict of interest.
Grecco, Carol M ..........Disclosed no conflict of interest.
Greco, Antonietta ..........Disclosed no conflict of interest.
Greco, Nicholas ............Disclosed no conflict of interest.
Green, Daniel ................Disclosed no conflict of interest.
Green, Joshua ...............Disclosed no conflict of interest.
Green, Samuel ...............Disclosed no conflict of interest.
Green, Samuel J .............Disclosed no conflict of interest.
Green, Shelbi ...............Disclosed no conflict of interest.
Green, Stefan ...............Disclosed no conflict of interest.
Green, Stefan J. .............Disclosed no conflict of interest.
Greenacre, Cheryl ..........Disclosed no conflict of interest.
Greenbaum, John ..........3A: John Greenbaum; 4: John Greenbaum.
Greenberg, Michael ..........Disclosed no conflict of interest.
Greenberg, Zachary ...........Disclosed no conflict of interest.
Greenblatt, Matthew ........Disclosed no conflict of interest.
Greenfield, Ed M. ..........8: JOR.
Greenfield, Edward M ..........8: JOR.
Greiner, Justin ..............Disclosed no conflict of interest.
Greiner-Perth, Ann-Kathrin Dagmar Disclosed no conflict of interest.
Greising, Sarah M ...........8: Associate Editor Connective Tissue Research.
Gresham, Robert ............Disclosed no conflict of interest.
Grewal, Rasleen .............Disclosed no conflict of interest.
Grey, Sean ...................3B: Exactech, Inc.; 7A: Exactech, Inc.
Grieg, Christopher ..........Disclosed no conflict of interest.
Griffin, Daniel ..............Disclosed no conflict of interest.
Griffin, Katherine ..........Disclosed no conflict of interest.
Griffin, Tim ..................8: Editorial Board for Osteoarthritis and Cartilage.
Griffin, Tim......................8: Associate editor Osteoarthritis and Cartilage.

Griffis, Jack..........................3B: Enovis Foot and Ankle.

Griffis, Jacklyn..................Disclosed no conflict of interest.

Griffith, Jacob L..................Disclosed no conflict of interest.

Griffoni, Cristiana..............Disclosed no conflict of interest.


Grigolo, Brunella...............Disclosed no conflict of interest.

Grindel, Steven....................Disclosed no conflict of interest.

Grindel, Steven I...............Disclosed no conflict of interest.

Grindy, Scott.....................3B: Stryker.

Grinstaff, Mark....................Disclosed no conflict of interest.

Grinstaff, Mark W..............Disclosed no conflict of interest.

Grinstaff, Mark W................Disclosed no conflict of interest.

Grinstein, Mor....................Disclosed no conflict of interest.

Griswold, Branum Gage..........Disclosed no conflict of interest.

Grodzinsky, Alan J..............8: Osteoarthritis and Cartilage.

Grodzinsky, Alan J................Disclosed no conflict of interest.

Groisser, Benjamin N................Disclosed no conflict of interest.

Grol, Matthew W................Disclosed no conflict of interest.

Gronewicz, Scott..............Disclosed no conflict of interest.

Gronewicz, Scott T............Disclosed no conflict of interest.

Groot, Olivier..................Disclosed no conflict of interest.

Gross, Colby.......................Disclosed no conflict of interest.

Gross, Evan G....................Disclosed no conflict of interest.

Gross, Jonathan M..............Disclosed no conflict of interest.

Gross, Michael....................Disclosed no conflict of interest.

Gross, Rodney....................Disclosed no conflict of interest.

Gross, Ted S......................Disclosed no conflict of interest.
Grossner, Tobias..................3A: BellaSeno GmbH.
Grupp, FIOR, Thomas Michael..3A: Aesculap AG Tuttlingen, Germany.
Grupp, Thomas Michael.........3A: Aesculap AG.
Grütz, Gerald..........................Disclosed no conflict of interest.
Grynpas, Marc......................Disclosed no conflict of interest.
Guadagnin, Eliane C..............Disclosed no conflict of interest.
Guan, Yun..........................Disclosed no conflict of interest.
Guardino, Nicholas J...............Disclosed no conflict of interest.
Guastaldi, Fernando............Disclosed no conflict of interest.
Guastaldi, Fernando P.M.........Disclosed no conflict of interest.
Guerra, Gage..........................Disclosed no conflict of interest.
Guerra, Rodrigo B...............Disclosed no conflict of interest.
Guerra, Rosa......................Disclosed no conflict of interest.
Guerra, Rosa M..................Disclosed no conflict of interest.
Gui, Tao..........................Disclosed no conflict of interest.
Guilak, Farshid....................1: Agathos; 3A: Cytex; 7A: Agathos.
Guilak, Farshid....................1: Agathos; 3A: Cytex; 4: Cytex.
Guilak, Farshid....................1: Agathos; 3A: Cytex; 4: Cytex; 7A: Agathos.
Guild III, George..............3B: Smith & Nephew.
Guild, George....................6: DiscoGenics.
Guillot, Grace..............Disclosed no conflict of interest.
Guimarães, Joao Antonio Matheus9: SBOT.
Guimarães, João Matheus........Disclosed no conflict of interest.
Gulbrandsen, Trevor............Disclosed no conflict of interest.
Guldberg, Robert..................3B: MiMedx. 3C: Restor3D, Penderia Technologies.; 4: MiMedx, Restor3D, Penderia Technologies, Huxley Medical.; 6: MiMedx.
Gull, Tamara......................Disclosed no conflict of interest.
Gullbrand, Sarah..................6: DiscoGenics.
Gullbrand, Sarah..................6: Received material support from DiscGenics.
Gullbrand, Sarah E .......................... 6: DiscGenics.
Gulzar, Musab .................................. Disclosed no conflict of interest.
Günther, Denise .............................. Disclosed no conflict of interest.
Guntupalli, Lohitha .......................... Disclosed no conflict of interest.
Guo, Bryan .................................. Disclosed no conflict of interest.
Guo, Fang .................................. Disclosed no conflict of interest.
Guo, Hanli .................................. Disclosed no conflict of interest.
Guo, Jiaxin .................................. Disclosed no conflict of interest.
Guo, Ping .................................. Disclosed no conflict of interest.
Guo, X Edward ....................... Disclosed no conflict of interest.
Guo, Xiaojie .............................. Disclosed no conflict of interest.
Guo, Yiling .................................. Disclosed no conflict of interest.
Guppy, Fergus M .......................... Disclosed no conflict of interest.
Gupta, Arjun .................................. Disclosed no conflict of interest.
Gupta, Munish C ....................... Disclosed no conflict of interest.
Gupta, Nakul .................................. Disclosed no conflict of interest.
Gupta, Puranjay .......................... Disclosed no conflict of interest.
Gupta, Ranjan .............................. Disclosed no conflict of interest.
Gupta, Tripti T .............................. Disclosed no conflict of interest.
Gupta, Vishal .............................. Disclosed no conflict of interest.
Gurbuz, Kaan .............................. Disclosed no conflict of interest.
Gurusamy Kamaraj, Sowmya ....... Disclosed no conflict of interest.
Gurusamy, Pradyumna .................. Disclosed no conflict of interest.
Gustafson, James .......................... Disclosed no conflict of interest.
Gustafson, Jonathan ..................... Disclosed no conflict of interest.
Gustafson, Jonathan A ..........................Disclosed no conflict of interest.
Guteneva, Nataliya V. ..........................Disclosed no conflict of interest.
Gutierrez, Eric J ..............................Disclosed no conflict of interest.
Guven, Ali .....................................Disclosed no conflict of interest.
Guven, Ali E ..................................Disclosed no conflict of interest.
Guy, Pierre ..................................Disclosed no conflict of interest.
Guyer, Tyler ..................................Disclosed no conflict of interest.
Guyton, James..........................3B: Smith & Nephew; 7B: Elsevier Inc.
Guyton, James L ..........................7B: Elsevier.
Guzman, Alvarho ..................Disclosed no conflict of interest.
Gwilt, Matthew ..................Disclosed no conflict of interest.
Ha Jin, Kim ..................Disclosed no conflict of interest.
Haartmans, Mirella ..........Disclosed no conflict of interest.
Haberkorn, Uwe ..................Disclosed no conflict of interest.
Habet, Nahir ..................Disclosed no conflict of interest.
Habing, Krista M ..................Disclosed no conflict of interest.
Haciguzeller, Halide Zeynep ......Disclosed no conflict of interest.
Hackett, Thomas ..................3B: Arthrex, Inc; 4: NICE; 5: Arthrex, Inc.
Hackett, Thomas R .........1: Arthrex; 3B: Arthrex; 5: Steadman Philippon Research Institute.
Hackl, Simon ..................Disclosed no conflict of interest.
Haddad, Fares ..................Disclosed no conflict of interest.
Haddad, Fares S ..................1: Smith & Nephew, Corin, MatOrtho and Stryker; 2: Smith & Nephew, MatOrtho, Corin and Stryker; 3B: Smith & Nephew, Corin, MatOrtho and Stryker; 7A: Smith & Nephew, MatOrtho, Corin and Stryker; 8: Bone and Joint Journal.
Haddad, Isabella ..................Disclosed no conflict of interest.
Hadjiargyrou, Michael .......Disclosed no conflict of interest.
Hadley-Miller, Nancy ...........Disclosed no conflict of interest.
Hadzipasic, Muhamed Disclosed no conflict of interest.
Haenen, Maranda Disclosed no conflict of interest.
Haffer, Henryk Disclosed no conflict of interest.
Haffner-Luntzer, Melanie Disclosed no conflict of interest.
Haft, Mark Disclosed no conflict of interest.
Hagemeister, Nicola 5: Emovi.
Hager, Benedikt Disclosed no conflict of interest.
Hagi, Tomohito Disclosed no conflict of interest.
Hagino, Hiroshi Disclosed no conflict of interest.
Hagiwara, Shigeo Disclosed no conflict of interest.
Haglund, Lisbet Disclosed no conflict of interest.
Hague, Madalyn Disclosed no conflict of interest.
Hah, Raymond Disclosed no conflict of interest.
Hahn, Alex Disclosed no conflict of interest.
Hahn, Alyssa Disclosed no conflict of interest.
Hahn, Michael E Disclosed no conflict of interest.
Haider, Hani Disclosed no conflict of interest.
Hajarizadeh, Auveen Disclosed no conflict of interest.
Hajdu, Katherine Disclosed no conflict of interest.
Hajek, Blake Disclosed no conflict of interest.
Hajj Hussein, Inaya Disclosed no conflict of interest.
Hakim, Bill Disclosed no conflict of interest.
Halanski, Matthew Disclosed no conflict of interest.
Halanski, Matthew A Disclosed no conflict of interest.
Hali, Kalter Disclosed no conflict of interest.
Hall, Deborah 5: Stryker.
Hall, Deborah J 5: Stryker.
Hall, James Disclosed no conflict of interest.
Hall, Wayne ..........................Disclosed no conflict of interest.

Hallab, Nadim ..........................Disclosed no conflict of interest.

Hallab, Nadim J ..........................3A: Orthopedic Analysis, LLC.

Haller, Justin ..........................3B: Dr. Haller is a paid consultant for Stryker, Globus, Orthogrid, and Osteocentric.

Haller, Justin ..........................3B: Stryker, Globus, Orthogrid, and Osteocentric.

Halloran, Jason ..........................5: Stryker.

Hallstrom, Grey ..........................Disclosed no conflict of interest.

Halperin, Scott ..........................6: Jane Danowski Family Fund at Yale School of Medicine.

Halperin, Scott J ..........................6: Jane Danowski Weiss Family Foundation Fund at Yale School of Medicine.

Halperin, Scott ..........................5: Jane Danowski Weiss Family Foundation Fund at Yale School of Medicine.

Halperin, Scott ..........................6: Jane Danowski Family Fund at Yale School of Medicine.

Halperin, Scott J ..........................6: Jane Danowski Family Fund at Yale School of Medicine.

Halperin, Scott J ..........................5: Jane Danowski Weiss Family Foundation Fund at Yale School of Medicine.

Halpern, Jennifer ..........................Disclosed no conflict of interest.

Halvorson, Ryan ..........................Disclosed no conflict of interest.

Halvorson, Ryan T ..........................Disclosed no conflict of interest.

Hamada, Hidetoshi ..........................Disclosed no conflict of interest.

Hamada, Moustafa ..........................Disclosed no conflict of interest.

Hamai, Satoshi ..........................Disclosed no conflict of interest.

Hamasaki, Masanari ..........................Disclosed no conflict of interest.

Hamati, Mary ..........................Disclosed no conflict of interest.

Hambright, Sealy ..........................Disclosed no conflict of interest.

Hamburger, Eleane CB ..........................Disclosed no conflict of interest.

Hamill, Christopher ..........................Disclosed no conflict of interest.

Hamilton, David A ..........................Disclosed no conflict of interest.

Hamilton, John L ..........................Disclosed no conflict of interest.
Hamilton, Landon  ...................... Disclosed no conflict of interest.
Hamilton, Sarah  ...................... Disclosed no conflict of interest.
Hammack, Samantha M ............... Disclosed no conflict of interest.
Hammad, Mohammed .................. Disclosed no conflict of interest.
Hamman, Susan  ...................... Disclosed no conflict of interest.
Hamman, Susan M. ................... Disclosed no conflict of interest.
Hammat, Aaron  ...................... Disclosed no conflict of interest.
Hammond, Claire V .................. Disclosed no conflict of interest.
Hampp, Emily  ........................ 3A: Stryker; 4: Stryker.
Hamrick, Mark  ...................... Disclosed no conflict of interest.
Hamzatova, Amina ................... Disclosed no conflict of interest.
Han, Aiguo  .......................... Disclosed no conflict of interest.
Han, Hyuk-Soo  ...................... Disclosed no conflict of interest.
Han, Jongyoon  ...................... Disclosed no conflict of interest.
Han, Justin  .......................... Disclosed no conflict of interest.
Han, Li-Hsin  .......................... Disclosed no conflict of interest.
Han, Lin  ............................ Disclosed no conflict of interest.
Han, Misung  ......................... Disclosed no conflict of interest.
Han, Shuyang  ...................... Disclosed no conflict of interest.
Han, Woojin  .......................... Disclosed no conflict of interest.
Han, Woojin M  ...................... Disclosed no conflict of interest.
Han, Woojin M.  ..................... Disclosed no conflict of interest.
Hanaka, Naomi  ...................... Disclosed no conflict of interest.
Hanaki, Shunta  ...................... Disclosed no conflict of interest.
Hancock, Matthew ................... Disclosed no conflict of interest.
Handelshauser, Martin ............... Disclosed no conflict of interest.
Handforth, Catherine ................ Disclosed no conflict of interest.
Handoklow, Lyla  .................... Disclosed no conflict of interest.
Handoklow, Lyla A  .................. Disclosed no conflict of interest.
Haneberg, Erik  ...................... Disclosed no conflict of interest.
Haney, Chad ...................... Disclosed no conflict of interest.
Hang, Nicole .................. Disclosed no conflict of interest.
Hangen, Emily ................. Disclosed no conflict of interest.
Hanidu, Idris .................. Disclosed no conflict of interest.
Hanish, Stefan ................ Disclosed no conflict of interest.
Hankenson, Kurt ................ 9: ORS.
Hankenson, Kurt D ............ Disclosed no conflict of interest.
Hankey, Maria ................. Disclosed no conflict of interest.
Hanna, Gabriel ................ Disclosed no conflict of interest.
Hanna, Maged ................ Disclosed no conflict of interest.
Hanna, Phillip ................ Disclosed no conflict of interest.
Hannah, Tareq ................ Disclosed no conflict of interest.
Hannigan, Caroline .......... Disclosed no conflict of interest.
Hannula, Markus .............. Disclosed no conflict of interest.
Hanqing, Huang .............. Disclosed no conflict of interest.
Hansen, Oliver F ............. Disclosed no conflict of interest.
Hansen, Uwe .................. Disclosed no conflict of interest.
Hansen, Victoria .............. Disclosed no conflict of interest.
Hanson, Erik .................. Disclosed no conflict of interest.
Hanson, George ............... Disclosed no conflict of interest.
Hao, Jian ...................... Disclosed no conflict of interest.
Happe, Macy .................. Disclosed no conflict of interest.
Hara, Daisuke ................. Disclosed no conflict of interest.
Hara, Hitomi .................. Disclosed no conflict of interest.
Harada, Yohei ................. Disclosed no conflict of interest.
Harasymowicz, Natalia S ..... 1: Agathos.
Harato, Kengo ................ Disclosed no conflict of interest.
Harbacheck, Kathryn ......... Disclosed no conflict of interest.
Harding, Anna Kajsa .......... Disclosed no conflict of interest.
Hardisty, Michael ......................5: Varian, Altis.

Hardisty, Michael R ......................Disclosed no conflict of interest.

Hargreaves, Mathew .....................Disclosed no conflict of interest.

Harigane, Kengo ........................Disclosed no conflict of interest.

Hark, Gillian ............................Disclosed no conflict of interest.

Hark, Gillian M ..........................Disclosed no conflict of interest.

Harkess, James ..........................3B: Smith & Nephew; 7B: Elsevier Inc.

Harkess, James W ........................7B: Elsevier.

Harkins, Kevin D ........................Disclosed no conflict of interest.

Harley, Brian J ...........................Disclosed no conflict of interest.

Harmon, Ian ..............................Disclosed no conflict of interest.

Haro, Hirotaka ............................Disclosed no conflict of interest.

Harper, Christine ........................Disclosed no conflict of interest.

Harris, Gerald F ........................Disclosed no conflict of interest.

Harris, Joshua ............................Disclosed no conflict of interest.

Harris, Kathleen .........................Disclosed no conflict of interest.

Harris, Kathleen A .......................Disclosed no conflict of interest.

Harris, Michael D .......................Disclosed no conflict of interest.

Harris, Thomas ...........................Disclosed no conflict of interest.

Harrisa, Zainab ...........................Disclosed no conflict of interest.

Harrison, Alicia ..........................Disclosed no conflict of interest.

Hart, Christoph ..........................Disclosed no conflict of interest.

Hart, David ...............................Disclosed no conflict of interest.

Hartl, Roger ..............................Disclosed no conflict of interest.

Hartlen, Devon ...........................Disclosed no conflict of interest.

Hasan, Sayyida ...........................Disclosed no conflict of interest.

Hasegawa, Hideo ........................Disclosed no conflict of interest.
Hasegawa, Ian .......................Disclosed no conflict of interest.
Hasegawa, Ian G ....................Disclosed no conflict of interest.
Hasegawa, Junya ..........................Disclosed no conflict of interest.
Hasegawa, Tomoka ......................Disclosed no conflict of interest.
Hashimoto, Akira ..........................Disclosed no conflict of interest.
Hashimoto, Kyuichi ..........................Disclosed no conflict of interest.
Hashimoto, Shogo ......................Disclosed no conflict of interest.
Hashimoto, Takahiro ......................Disclosed no conflict of interest.
Haslam, Owen ..........................Disclosed no conflict of interest.
Hassan, Ameer ..........................Disclosed no conflict of interest.
Hassan, Mohamed ......................Disclosed no conflict of interest.
Hassan, Omar ..........................Disclosed no conflict of interest.
Hasson, Maddie ..........................Disclosed no conflict of interest.
Hast, Michael ..........................5: OsteoGen Tech, Inc.
Hast, Michael W ..........................5: OsteoGen Technologies, Inc.
Hastings, Mary ..........................Disclosed no conflict of interest.
Hasty, Karen ..........................Disclosed no conflict of interest.
Hattamie, Shadie ..........................Disclosed no conflict of interest.
Hatayama, Kazuhisa ......................Disclosed no conflict of interest.
Hatch, Carter ..........................Disclosed no conflict of interest.
Hatch, Maya ..........................Disclosed no conflict of interest.
Hattori, Asaki ..........................Disclosed no conflict of interest.
Hattori, Soichi ..........................Disclosed no conflict of interest.
Hauck, Oliver ..........................3A: Arthrex, Inc.
Hauck, Oliver L ..........................3A: Arthrex, Inc.
Haupt, Edward ..........................3B: Exactech, Inc.
Hawes, Joseph ..........................Disclosed no conflict of interest.
Hawk, Jocelyn ..........................Disclosed no conflict of interest.
Haws, Brittany ........................................Disclosed no conflict of interest.
Hayashi, Ikuta ......................................Disclosed no conflict of interest.
Hayashi, Ken .......................................Disclosed no conflict of interest.
Hayashi, Shinya .................................Disclosed no conflict of interest.
Hayashi, Yukinori...............................Disclosed no conflict of interest.
Hayashi, Yuta ....................................Disclosed no conflict of interest.
Hayashida, Kenta ..............................Disclosed no conflict of interest.
Hayden, Brett L ...............................3B: DePuy/Johnson & Johnson, Heraeus.
Haytmanek, Craig T .......................2: Gemini Mountain Medical, Steelhead Surgical; 3B: Arthrex; 5: Stryker, Wright Medical Technology, Steadman Philippon Research Institute.
Hayward, Daniel ..............................Disclosed no conflict of interest.
Haze, Amir ......................................Disclosed no conflict of interest.
Hazenberg, Emma K ..........................Disclosed no conflict of interest.
He, Bo ...........................................Disclosed no conflict of interest.
He, Hanxing J .................................Disclosed no conflict of interest.
He, Jade ........................................Disclosed no conflict of interest.
He, Mei .........................................Disclosed no conflict of interest.
He, Qi ...........................................Disclosed no conflict of interest.
Healey, John ...................................Disclosed no conflict of interest.
Healey, John H ...............................Disclosed no conflict of interest.
Healy, Kevin .................................Disclosed no conflict of interest.
Heard, Jeremy .................................Disclosed no conflict of interest.
Heath, David .................................6: Zimmer Biomet.
Hecht, Andrew ..............................Disclosed no conflict of interest.
Heckelman, Lauren N ........................Disclosed no conflict of interest.
Heckelman, Lauren N ........................Disclosed no conflict of interest.
Hedayatzadeh Razavi, Ahmad Disclosed no conflict of interest.
Hedbany, Davis Disclosed no conflict of interest.
Hedden, Katie Disclosed no conflict of interest.
Hedequist, Daniel J 3B: Medtronic.
Hefley, William Disclosed no conflict of interest.
Heggli, Irina Disclosed no conflict of interest.
Heider, Anja Disclosed no conflict of interest.
Heinemann, Lea Disclosed no conflict of interest.
Helbock, Ryan T Disclosed no conflict of interest.
Helgason, Benedikt Disclosed no conflict of interest.
Hellberg, Iida Disclosed no conflict of interest.
Hellem, Aaron R Disclosed no conflict of interest.
Hembus, Jessica Disclosed no conflict of interest.
Hemmat, Alexander R Disclosed no conflict of interest.
Henak, Corinne Disclosed no conflict of interest.
Henak, Corinne R Disclosed no conflict of interest.
Henderson, Eric R 3B: Stryker Orthopaedics.
Henderson, Kamryn Disclosed no conflict of interest.
Hendesi, Honey Disclosed no conflict of interest.
Henke, Paul Disclosed no conflict of interest.
Henkelman, Erik Disclosed no conflict of interest.
Henninger, Heath Disclosed no conflict of interest.
Henninger, Heath B 5: Stryker; 6: Stryker, DePuy, Enovis.
Henriksen, Marius Disclosed no conflict of interest.
Henry, Brandon Disclosed no conflict of interest.
Henson, MeLeah 3A: Medtronic, Inc.; 4: Medtronic, Inc.
Heo, Jae-Won Disclosed no conflict of interest.
Heo, Kevin Disclosed no conflict of interest.
Heo, Kevin Y Disclosed no conflict of interest.
Heo, Su-Jin (Su Chin) ..................5: 4WEB Medical.
Heo, Su-Jin (Su Chin) ..................5: 4WEB Medical Inc.

Hepfer, Glenn ..........................Disclosed no conflict of interest.
Herbosa, Christopher G ..........Disclosed no conflict of interest.
Herda, Ashely ..........................Disclosed no conflict of interest.
Herda, Ashley ..........................Disclosed no conflict of interest.
Herger, Nick ..........................Disclosed no conflict of interest.
Herman, Zachary ......................Disclosed no conflict of interest.
Herman, Zachary J. .................Disclosed no conflict of interest.

Hermanns, Ian ..........................Disclosed no conflict of interest.
Herna, Viktor ..........................Disclosed no conflict of interest.

Hernandez, Christopher J .......Disclosed no conflict of interest.
Hernandez, Christopher J. .........Disclosed no conflict of interest.
Hernandez, Fergui ......................Disclosed no conflict of interest.
Hernandez, Karen .....................Disclosed no conflict of interest.
Hernandez, Nicholas M ............Disclosed no conflict of interest.
Hernandez, Paula A ..................Disclosed no conflict of interest.
Hernandez, Paula .....................9: ORS DEI Committee.
Hernandez, Paula A .................9: ORS DEI committee and ORS Open Door 2024 committee.

Herrera, Daniel E ......................Disclosed no conflict of interest.
Herrmann, Sven ........................Disclosed no conflict of interest.
Herve, Ophelie M ........................Disclosed no conflict of interest.

Herzog, Erik D. .........................Disclosed no conflict of interest.
Herzog, Walter ........................Disclosed no conflict of interest.
Hetreau, Carla ..........................Disclosed no conflict of interest.
Heveran, Chelsea ......................Disclosed no conflict of interest.
Heveran, Chelsea M .................Disclosed no conflict of interest.
Hewett, Timothy .......................Disclosed no conflict of interest.
Hewitt, Michael .......................Disclosed no conflict of interest.
Hext, Rebecca .........................Disclosed no conflict of interest.
Heyer, Jessica H .......................... Disclosed no conflict of interest.

Heyworth, Benton .......................... 3B: Imagen Technologies; 4: Imagen Technologies; 5: Arthrex, Kairos Surgical, Pylant Medical.


Hezrony, Benjamin .......................... Disclosed no conflict of interest.

Hicks, Michael .......................... Disclosed no conflict of interest.

Hidaka, Chisa .......................... Disclosed no conflict of interest.

Hidaka, Yuki .......................... Disclosed no conflict of interest.

Hideshima, Yoshiaki .......................... Disclosed no conflict of interest.

Hieda, Yuta .......................... Disclosed no conflict of interest.

Higa, Kotaro .......................... Disclosed no conflict of interest.

Higashi, Naohiro .......................... Disclosed no conflict of interest.

Higashi, Shota .......................... Disclosed no conflict of interest.


Hidebrand, Frank .......................... 3B: Stryker.

Hidebrand, Kevin A .......................... Disclosed no conflict of interest.


Hill, Cherice .......................... Disclosed no conflict of interest.

Hill, William D .......................... Disclosed no conflict of interest.

Hilliard, Brendan .......................... Disclosed no conflict of interest.

Hilliard, Rachel .......................... Disclosed no conflict of interest.


Hiltunen, Rasmus K .......................... Disclosed no conflict of interest.
Hiltunen, Rasmus K. ....................... Disclosed no conflict of interest.
Hiltzik, David .............................. Disclosed no conflict of interest.
Hiltzik, David M. ........................... Disclosed no conflict of interest.
Hind, Laurel E .............................. Disclosed no conflict of interest.
Hines, Madeline R .......................... Disclosed no conflict of interest.
Hinkamp, Maria .............................. Disclosed no conflict of interest.
Hinkamp, Maria L ........................... Disclosed no conflict of interest.
Hinkamp, Maria .............................. Disclosed no conflict of interest.
Hinton, Zoe W. .............................. Disclosed no conflict of interest.
Hiroi, Hiromasa ............................. Disclosed no conflict of interest.
Hirai, Takashi .............................. Disclosed no conflict of interest.
Hirai, Hiromasa ................................ Disclosed no conflict of interest.
Hirano, Yoshiaki ............................ Disclosed no conflict of interest.
Hiranaka, Yoshiaki .......................... Disclosed no conflict of interest.
Hirao, Makoto .............................. Disclosed no conflict of interest.
Hirasawa, Rui ................................ Disclosed no conflict of interest.
Hirokazu, Mae .............................. Disclosed no conflict of interest.
Hiroki, Yokota .............................. Disclosed no conflict of interest.
Hiroko, Matsumoto .......................... Disclosed no conflict of interest.
Hirokazu, Mae .............................. Disclosed no conflict of interest.
Hiromi, Nakajima ............................ Disclosed no conflict of interest.
Hiromi, Nakajima ............................ Disclosed no conflict of interest.
Hirth, Jacob ................................... Disclosed no conflict of interest.
Hirtler, Lena .................................. Disclosed no conflict of interest.
Hislop, Brady .............................. Disclosed no conflict of interest.
Hixon, Katherine ........................... Disclosed no conflict of interest.
Hiyoshi, Masaru ............................ Disclosed no conflict of interest.
Hlas, Arman ............................... Disclosed no conflict of interest.
HM Brown, Stephen ...................... Disclosed no conflict of interest.
Ho, Jason .............................. 2: DJO; 5: Zimmer Biomet; 6: Liberty Surgical.
Ho, Kyan .............................. Disclosed no conflict of interest.
Ho, Mei-Ling .................................. Disclosed no conflict of interest.
Hoang, Lan Anh P .......................... Disclosed no conflict of interest.
Hoang, Le .................................... Disclosed no conflict of interest.
Hoang, Thi Thai Thanh ..................... Disclosed no conflict of interest.
Hoang, Timothy ............................. Disclosed no conflict of interest.
Hochstrat, Eva ............................... Disclosed no conflict of interest.
Hodge, Ryan ................................. Disclosed no conflict of interest.
Hodge, Ryan L .............................. Disclosed no conflict of interest.
Hodgkinson, Tom ............................ Disclosed no conflict of interest.
Hoeffel, Daniel P ............................ 3A: DePuy Synthes; 4: DePuy Synthes.
Hoffer, Alexander J .......................... Disclosed no conflict of interest.
Hoffman, Brett ............................... Disclosed no conflict of interest.
Hoffman, Brian C ............................ Disclosed no conflict of interest.
Hoffman, Fawn .............................. Disclosed no conflict of interest.
Hoffman, Jeffrey ............................ Disclosed no conflict of interest.
Hoffman, Robert M. ........................ Disclosed no conflict of interest.
Hofmann, Hayden L .......................... Disclosed no conflict of interest.
Hofmann, Jakob .............................. Disclosed no conflict of interest.
Hogan, MaCalus ............................. 8: AAOS, AOFAS, BOS.
Höger, Svenja A .............................. Disclosed no conflict of interest.
Hogg, Michael ............................... 3A: Resmed.
Hogue, Grant D .............................. 3B: Medtronic.
Hogue, Grant D .............................. 3B: Medtronic; 4: Tether Implant Corporation.
Hohl, Katherine ............................. Disclosed no conflict of interest.
Hoit, Graeme ................................. Disclosed no conflict of interest.
Hokari, Sho ................................. Disclosed no conflict of interest.
Hoke, Ahmet ................................. Disclosed no conflict of interest.
Hold, LeeAnn ............................... Disclosed no conflict of interest.
Hold, LeeAnn A. .......................... Disclosed no conflict of interest.
Holder, Jana ............................. Disclosed no conflict of interest.
Holdsworth, Gill .......................... Disclosed no conflict of interest.
Holguin, Nilsson .......................... Disclosed no conflict of interest.
Holland, Antoinette ....................... Disclosed no conflict of interest.
Hollander, Judith M ........................ 3A: Remedium Bio, Inc.
Hollawell, Shane .......................... 5: Tyber Medical.
Hollenbeck, Justin FM ........................ Disclosed no conflict of interest.
Holloway, Mellissa R ........................ Disclosed no conflict of interest.
Holmes, Jeffrey S. ........................ Disclosed no conflict of interest.
Holmes, John .............................. Disclosed no conflict of interest.
Holmes, Skylar C .......................... Disclosed no conflict of interest.
Holt, Catherine ............................ Disclosed no conflict of interest.
Holt, Ginger .............................. Disclosed no conflict of interest.
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Homan, Kentaro ............................ 5: Hitachi High-Tech Corporation.
Homan, Morgan ............................ Disclosed no conflict of interest.
Honda, Yuichiro ........................... Disclosed no conflict of interest.
Honegg, Matthew .......................... Disclosed no conflict of interest.
Hong, Justin .............................. Disclosed no conflict of interest.
Hong, Kurt ............................... Disclosed no conflict of interest.
Honkanen, Juuso T. J. ........................ Disclosed no conflict of interest.
Honkanen, Juuso T.J. ........................ Disclosed no conflict of interest.
Honkanen, Juuso TJ ........................ Disclosed no conflict of interest.
Honma, Ryusuke ............................ Disclosed no conflict of interest.
Hoogenboom, Marit ........................ Disclosed no conflict of interest.
Hookasian, Erika ........................... Disclosed no conflict of interest.
Hooke, Alex ............................... Disclosed no conflict of interest.
Hooks, Alexandra M ........................ Disclosed no conflict of interest.
Hoopes, Carson L. ........................ Disclosed no conflict of interest.
Hopkins, Benjamin ......................Disclosed no conflict of interest.
Hopkins, Jonathan ......................4: FleX Orthopaedics Inc.
Hopkins, Jonathan B ....................4: FleX Orthopaedics Inc.
Hopkins, Jonathan B ....................4: Co-founder of FleX Orthopaedics, Inc.
Hopkinson, Mark .......................Disclosed no conflict of interest.
Hoppock, Gabriel .......................Disclosed no conflict of interest.
Hoppock, Gabriel A .....................Disclosed no conflict of interest.
Hopster, Klaus .........................Disclosed no conflict of interest.
Horenberg, Allison .....................Disclosed no conflict of interest.
Horenberg, Allison L ...................Disclosed no conflict of interest.
Horiuchi, Keisuke .......................Disclosed no conflict of interest.
Horiwaki, Kazuki .......................3A: Hitachi, Ltd.
Horton, Kyle ............................Disclosed no conflict of interest.
Hoshijima, Kazuyuki ...................Disclosed no conflict of interest.
Hoshikawa, Kyosuke ...................Disclosed no conflict of interest.
Hoshino, Takashi .......................Disclosed no conflict of interest.
Hoshino, Yuichi .........................Disclosed no conflict of interest.
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Hosono, Yuji ............................Disclosed no conflict of interest.
Hosseini Nasab, S.H ..................Disclosed no conflict of interest.
Hotaling, Jessica ......................Disclosed no conflict of interest.
Hou, Haiyan ............................Disclosed no conflict of interest.
Houske, Eden ..........................Disclosed no conflict of interest.
Housmans, Bas .........................Disclosed no conflict of interest.
Housmans, Bas A .......................Disclosed no conflict of interest.
Houten, John ...........................Disclosed no conflict of interest.
Howard, Linda ........................Disclosed no conflict of interest.
Howard, Sean ................. Disclosed no conflict of interest.
Howarter, John .............. Disclosed no conflict of interest.
Howser, Scarlet............... Disclosed no conflict of interest.
Hoyle, Mikayla R............. Disclosed no conflict of interest.
Hranitzky, Lindsey .......... Disclosed no conflict of interest.
Hresko, M. Timothy......... Disclosed no conflict of interest.
Hron, Alexander J ........... Disclosed no conflict of interest.
Hryc, Corey .................. Disclosed no conflict of interest.
Hsia, Gabriella S. P......... Disclosed no conflict of interest.
Hsu, Erin ...................... 5: Inion, Amphix Bio.
Hsu, Joseph R............... 2: Stryker, Smith & Nephew, Integra Life Sciences, Depuy Synthes; 3B: Stryker, Smith & Nephew, Globus Medical; 6: Centers for Disease Control.
Hsu, Wellington ............. 1: Stryker; 3B: Asahi, Medtronic, Promimic, ZSFab, Amphix Bio; 5: Inion.
Hsu, Wellington K .......... 3C: Stryker, Medtronic, Asahi, Bioventus, Inion, Amphix Bio.
Hsu, Yi-Hsiang .............. Disclosed no conflict of interest.
Hu, Alice ...................... Disclosed no conflict of interest.
Hu, Baofeng .................. Disclosed no conflict of interest.
Hu, Di ......................... Disclosed no conflict of interest.
Hu, Guoli ..................... Disclosed no conflict of interest.
Hu, Jerry ...................... 4: Cartilage Inc.
Hu, Jia ......................... Disclosed no conflict of interest.
Hu, Jingrui ................... Disclosed no conflict of interest.
Hu, Jinmin ................... Disclosed no conflict of interest.
Hu, Jun ....................... Disclosed no conflict of interest.
Hu, Lingling .................. Disclosed no conflict of interest.
Hu, Phillip ................... Disclosed no conflict of interest.
Hu, Xiaoqing ................ Disclosed no conflict of interest.
Hu, Yizhong J..............................Disclosed no conflict of interest.
Hua, Brian M..........................Disclosed no conflict of interest.
Hua, Catherine.........................Disclosed no conflict of interest.
Hua, Kimberly..........................Disclosed no conflict of interest.
Huang, Alice............................Disclosed no conflict of interest.
Huang, Alice H..........................Disclosed no conflict of interest.
Huang, Bao..............................Disclosed no conflict of interest.
Huang, Charles..........................Disclosed no conflict of interest.
Huang, Christine........................Disclosed no conflict of interest.
Huang, Chun-Hao.......................Disclosed no conflict of interest.
Huang, Dave............................Disclosed no conflict of interest.
Huang, Elijah Ejun.....................Disclosed no conflict of interest.
Huang, Guiwu...........................Disclosed no conflict of interest.
Huang, Hanqing.........................Disclosed no conflict of interest.
Huang, Hsuan-Ti.........................Disclosed no conflict of interest.
Huang, Jeffrey.........................Disclosed no conflict of interest.
Huang, Jiahui...........................Disclosed no conflict of interest.
Huang, Kevin...........................Disclosed no conflict of interest.
Huang, Mary............................Disclosed no conflict of interest.
Huang, Mingjian.......................Disclosed no conflict of interest.
Huang, Mingzhi.........................Disclosed no conflict of interest.
Huang, Muyin...........................Disclosed no conflict of interest.
Huang, Shuting.........................Disclosed no conflict of interest.
Huang, Tao..............................Disclosed no conflict of interest.
Huang, Tzu-Chin.......................Disclosed no conflict of interest.
Huang, Tzu-Chiun......................Disclosed no conflict of interest.
Huang, Wendy.........................Disclosed no conflict of interest.
Huang, Yanjie.........................Disclosed no conflict of interest.
Huang, Yao-Hui.........................Disclosed no conflict of interest.
Huang, Ziwei...........................Disclosed no conflict of interest.
Huard, Johnny.......................... 9: ORS, Cook Myosite.
Huard, Johnny.......................... 1: Cook Myosite; 9: ORS.
Huard, Johnny.......................... 1: Received Royalties from Cook Myosite.Inc.
Huard, Johnny.......................... 1: Received Royalties from Cook MyoSite Inc.
Huard, Johnny.......................... 1: Cook Myosite, Inc.; 9: ORS Board of Directors.
Huard, Johnny.......................... 1: Received Royalties from Cook MyoSite Inc. Annually. Myosite. Inc.
Huard, Johnny.......................... 1: Royalties Cook Myosite, Inc.; 9: Board of Directors.
Huard, Johnny.......................... 3B: Cook Myosite, Inc.

Huard, Matthieu.......................... *Disclosed no conflict of interest.*

Huber, Phillipe.......................... *Disclosed no conflict of interest.*

Hubmacher, Dirk.......................... *Disclosed no conflict of interest.*

Hucke, Lucie.......................... *Disclosed no conflict of interest.*

Huddleston, James.......................... 3B: Exactech.

Hue, Trisha.......................... *Disclosed no conflict of interest.*

Huerta, Pito.......................... *Disclosed no conflict of interest.*

Huesker, Karin.......................... *Disclosed no conflict of interest.*

Huff, Haley.......................... *Disclosed no conflict of interest.*

Huff, Reece D.......................... *Disclosed no conflict of interest.*

Hughes, Alexander.......................... 5: Kuros Biosurgery AG; 6: NuVasive, Inc.
Hughes, Alexander.......................... 5: Kuros Bioscience AG.; 6: NuVasive, Inc.
Hughes, Alexander.......................... 1: Lane Inc, Ortho Devolopment Corp, accelus; 3B: accelus, DePuy synthes, NuVasive Inc, Spine Biopharma LLC; 4: Healthpoint capital partners, orthobond corporation; 5: 4web, camber spine, centinel spine, mallinckrodt Pharmaceuticals, Kuros Bioscience AG; 6: NuVasive Inc; 9: accelus, Depuy Synthes, NuVasive Inc, Spine Biopharma LLC.
Hughes, Alexander P.......................... 5: Kuros Bioscience AG; 6: NuVasive, Inc.
Hughes, Alexander P.......................... 5: Kuros Bioscience AG.; 6: NuVasive, Inc.
Hughes, Emily S.......................... *Disclosed no conflict of interest.*
Hughes, Jonathan.......................... *Disclosed no conflict of interest.*
Hughes, Megan...Disclosed no conflict of interest.
Hughes, Velocity...Disclosed no conflict of interest.
Hughes-Austin, Jan...Disclosed no conflict of interest.
Hui, James...Disclosed no conflict of interest.
Huish, Eric...3B: Synthes.
Huisman, Merel...Disclosed no conflict of interest.
Hullemann, John...Disclosed no conflict of interest.
Hullfish, Todd...Disclosed no conflict of interest.
Hulsebus, Shelby...Disclosed no conflict of interest.
Hulstyn, Michael J...Disclosed no conflict of interest.
Hum, Nicholas...Disclosed no conflict of interest.
Hum, Nicholas R...Disclosed no conflict of interest.
Hume, Donald...3A: Paragon 28; 4: Paragon 28.
Hummelink, Stefan...Disclosed no conflict of interest.
Humphrey, Catherine...Disclosed no conflict of interest.
Hung, Clark...7B: MTF, JOR.
Hung, Clark...1: MTF; 8: J Orthop Res, Orthop Res Rev.
Hung, Clark T...1: MTF Biologics; 8: Associate Editor of Journal of Orthopedic Research, Editor for Orthopedic Research and Reviews.
Hung, Clark T...1: MTF Biologics; 8: Associate Editor of Journal of Orthopedic Research, Editor for Orthopedic Research and Reviews.
Hung, Clark T...1: Musculoskeletal Transplant Foundation (MTF); 8: Associate Editor for Journal of Orthopaedic Research.
Hung, Tim...Disclosed no conflict of interest.
Hung, Victor...Disclosed no conflict of interest.
Hunt, Kenneth...Disclosed no conflict of interest.
Hunter, Daniel...Disclosed no conflict of interest.
Hunter, Jennifer...Disclosed no conflict of interest.
Hunter, Krystal...Disclosed no conflict of interest.
Hunter, Nathaniel B.......................... Disclosed no conflict of interest.
Hunter, Rahel................................ Disclosed no conflict of interest.
Huo, Qingji .................................. Disclosed no conflict of interest.
Hurtig, Mark B................................ Disclosed no conflict of interest.
Husein, Mustafa............................. Disclosed no conflict of interest.
Husen, Martin............................... Disclosed no conflict of interest.
Huß, Armin................................. Disclosed no conflict of interest.
Hussain, Ibrahim............................ Disclosed no conflict of interest.
Hussain, Jibreel.............................. Disclosed no conflict of interest.
Hussain, Raafae.............................. 5: Tyber Medical.
Hussain, Zaamin ............................. Disclosed no conflict of interest.
Hussain, Zaamin B.......................... Disclosed no conflict of interest.
Hussien, Amro.............................. Disclosed no conflict of interest.
Hutchinson, Jeffrey L...................... Disclosed no conflict of interest.
Hutchinson, Katherine..................... Disclosed no conflict of interest.
Hutmacher, Dietmar W..................... Disclosed no conflict of interest.
Huxman, Connor............................ Disclosed no conflict of interest.
Hwang, Derek H............................. Disclosed no conflict of interest.
Hwang, Jangsun............................ Disclosed no conflict of interest.
Hwang, Jong-Moon......................... Disclosed no conflict of interest.
Hwang, Jung-Taek......................... Disclosed no conflict of interest.
Hyman, Joshua E........................... Disclosed no conflict of interest.
Hymowitz, Sarah........................... Disclosed no conflict of interest.
Hyre, Nathan............................... Disclosed no conflict of interest.
Hyttinen, Jari.............................. Disclosed no conflict of interest.
Hyugaji, Yoshinori........................ Disclosed no conflict of interest.
Iannotti, Joseph P.......................... 1: Viscus, Depuy, Arthrex, Tornier, DJO, Wright Medical; 3B: Collamedix, DJO, Medical Device Business Services, Wright Medical; 4: Custom Orthopaedic Solutions; 7B: Wolters Kluwer Health.
Iatridis, James............................. Disclosed no conflict of interest.
Iatridis, James C........................... Disclosed no conflict of interest.
Iatridis, James C. Disclosed no conflict of interest.
Ichikawa, Jiro Disclosed no conflict of interest.
Ichinose, Tsuyoshi Disclosed no conflict of interest.
Igaki, Ryu Disclosed no conflict of interest.
Igarashi, Takahiro Disclosed no conflict of interest.
Igei, Takahiro Disclosed no conflict of interest.
Ignatius, Anita Disclosed no conflict of interest.
Iglesias-Romeu, Aitana Disclosed no conflict of interest.
Igram, Cassim 3B: Medtronic, AlloSource.
Iida, Naoya Disclosed no conflict of interest.
Iino, Ryohei Disclosed no conflict of interest.
Ijuin, Toshiro Disclosed no conflict of interest.
Ike, Hiroyuki Disclosed no conflict of interest.
Ikeda, Naofumi Disclosed no conflict of interest.
Ikeuchi, Masahiko Disclosed no conflict of interest.
Ikoma, Kazuya Disclosed no conflict of interest.
Ikumi, Akira Disclosed no conflict of interest.
Ikuta, Kemmei Disclosed no conflict of interest.
Ikuta, Kenmei Disclosed no conflict of interest.
Ikuta, Masato Disclosed no conflict of interest.
Ikuta, Yasunari Disclosed no conflict of interest.
Ikwuazom, Chibuokem Disclosed no conflict of interest.
Ikwuazom, Chibuokem P Disclosed no conflict of interest.
Iliff, Denise Disclosed no conflict of interest.
Iliff, Denise C Disclosed no conflict of interest.
Illien-Junger, Svenja Disclosed no conflict of interest.
Illingworth, Kenneth D 1: Orthopediatrics; 8: JPOSNA editorial board, Advisory Board of Medtronic.
Im, Gun-Il Disclosed no conflict of interest.
Imagama, Shiro .......................... Disclosed no conflict of interest.
Imai, Hideo .............................. Disclosed no conflict of interest.
Imai, Kan ................................. Disclosed no conflict of interest.
Imai, Shinya .............................. Disclosed no conflict of interest.
Imamura, Rui ............................. Disclosed no conflict of interest.
Imanaka, Kyoko Yoshida ............... Disclosed no conflict of interest.
Imazato, Hiroyuki ......................... Disclosed no conflict of interest.
Imhauser, Carl ............................ 1: Corin.
Imhauser, Carl ............................ 3B: Corin Group.
Imhauser, Carl ............................ 2: Corin Group.
Imhauser, Carl W .......................... 3B: Corin.
Impergre, Amandine ..................... Disclosed no conflict of interest.
Imrey, Peter .............................. 3B: Colgate Palmolive; 8: JASN, JDR Clinical and Translational Research.
Inaba, Yutaka ............................. Disclosed no conflict of interest.
Incavo, Stephen .......................... Disclosed no conflict of interest.
Ince, Deniz ............................... Disclosed no conflict of interest.
Indelli, Pier Francesco .................. 2: MicroPort, bioMerieux.
Inglis, Jacqueline ....................... Disclosed no conflict of interest.
Ingwer, Sarah J. .......................... 3A: Arthrex, Inc.
Inkinen, Satu I. ........................... Disclosed no conflict of interest.
Ino, Fukuhisa ............................. Disclosed no conflict of interest.
Inoue, Atsuo .............................. Disclosed no conflict of interest.
Inoue, Hirokazu ........................... Disclosed no conflict of interest.
Inoue, Jumpei ............................. Disclosed no conflict of interest.
Inoue, Nozomu ........................... Disclosed no conflict of interest.
Inoue, Takahiro ......................... Disclosed no conflict of interest.
Inoue, Takayuki .......................... 3A: Teijin Nakashima Medical.
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6: Japan Tissue Engineering Co., Ltd.
Ishii, Toru..........................Disclosed no conflict of interest.
Ishii, Yoshinori......................Disclosed no conflict of interest.
Ishijima, Muneaki.....................Disclosed no conflict of interest.
Ishikawa, Kimi........................Disclosed no conflict of interest.
Ishikawa, Koji........................Disclosed no conflict of interest.
Ishikawa, Masakazu...............Disclosed no conflict of interest.
Ishikawa, Yoko........................Disclosed no conflict of interest.
Ishizu, Hotaka.......................Disclosed no conflict of interest.
Ishizuka, Shinya.....................Disclosed no conflict of interest.
Islam, Abir........................Disclosed no conflict of interest.
Islam, Md Saiful....................Disclosed no conflict of interest.
Islam, Nowshin N...................Disclosed no conflict of interest.
Islam, Wasif........................Disclosed no conflict of interest.
Ismaily, Sabir........................Disclosed no conflict of interest.
Ispiryan, Michael....................Disclosed no conflict of interest.
Israel, Heidi........................Disclosed no conflict of interest.
Issa, Tariq..........................Disclosed no conflict of interest.
Itaka, Keiji..........................Disclosed no conflict of interest.
Itano, Takuto........................Disclosed no conflict of interest.
Ito, Hiroshi..........................Disclosed no conflict of interest.
Ito, Keita...........................8: GlobalSpineJ.
Ito, Keita..........................3B: NC Biomatrix BV.
Ito, Takanori........................Disclosed no conflict of interest.
Ito, Toshihiko.......................Disclosed no conflict of interest.
Itou, Junya..........................Disclosed no conflict of interest.
Itenbach, Richard F..................Disclosed no conflict of interest.
Iuchi, Tomohiro......................Disclosed no conflict of interest.
Ivan, Spasojevic.....................Disclosed no conflict of interest.
Ivanov, David ............................ Disclosed no conflict of interest.
Ivashkiv, Lionel ......................... 3C: Eli Lilly and Company.
Iwadate, Akane .......................... Disclosed no conflict of interest.
Iwaguro, Hideki .......................... Disclosed no conflict of interest.
Iwahashi, Toru ............................ Disclosed no conflict of interest.
Iwai, Koichi .............................. Disclosed no conflict of interest.
Iwama, Yu ............................... Disclosed no conflict of interest.
Iwamoto, Keiji ........................... Disclosed no conflict of interest.
Iwanaga, Ryuuta .......................... Disclosed no conflict of interest.
Iwasaki, Kiyotaka .......................... Disclosed no conflict of interest.
Iwasaki, Koji ................................. 5: Olympus Terumo Biomaterials Corp.
Iwasaki, Nodoka .......................... Disclosed no conflict of interest.
Iwasaki, Norimasa .......................... 5: Hitachi High-Tech Corporation.
Iwasaki, Yasuhiko .......................... Disclosed no conflict of interest.
Iwase, Hiroaki ............................. Disclosed no conflict of interest.
Ix, Joachim ............................... Disclosed no conflict of interest.
Iyer, Keerthana .......................... Disclosed no conflict of interest.
Iyer, Shama R. ............................ Disclosed no conflict of interest.
Iyer, Sravisht ............................ 3B: Globus Medical, Inc, Elliquence, LLC; 5: Innovasis, Inc; 8: Healthgrades, Inc.
Iyer, Sumant .............................. Disclosed no conflict of interest.
Izaguirre, Aldo A ........................ Disclosed no conflict of interest.
Izaguirre, Aldo F ........................ Disclosed no conflict of interest.
Izumi, Masashi ........................... Disclosed no conflict of interest.
J. Arts, Jacobus ........................... 3B: bonalive biomaterials; 5: bonalive biomaterials; 8: bonalive biomaterials.
Jabbouri, Sahir .......................... Disclosed no conflict of interest.
Jablonski, Justin ........................ Disclosed no conflict of interest.
Jacek, Jillian .............................. Disclosed no conflict of interest.
Jack Chunyiu, Cheng .......................... Disclosed no conflict of interest.
Jackson, Alicia .......................... Disclosed no conflict of interest.
Jackson, Alicia R..........................Disclosed no conflict of interest.

Jackson, Jasmine..........................Disclosed no conflict of interest.

Jackson, Olivia ..........................Disclosed no conflict of interest.

Jacob, Amith .............................Disclosed no conflict of interest.

Jacob, George ............................Disclosed no conflict of interest.

Jacob, Justin.............................Disclosed no conflict of interest.

Jacobs, James ................................5: Tyber Medical.


Jacoby, Fredy............................Disclosed no conflict of interest.

Jahandar, Amirhossein.......................Disclosed no conflict of interest.

Jahangir, Sana ............................Disclosed no conflict of interest.

Jahangir, Shahrbanoo.........................Disclosed no conflict of interest.

Jahani, Babak .............................Disclosed no conflict of interest.

Jahr, Holger ...............................Disclosed no conflict of interest.


Jain, Avantika ............................Disclosed no conflict of interest.

Jain, Neil .................................Disclosed no conflict of interest.

Jain, Nirbhay S ............................Disclosed no conflict of interest.

Jain, Vivek ...............................Disclosed no conflict of interest.

Jalaie, Peter ...............................Disclosed no conflict of interest.

James, Aaron .............................3B: Aaron W James is a consultant for Novadip Biosciences and Lifesprout LLC.
James, Aaron .........................3B: Novadip Biosciences, Lifesprout LLC.

James, Aaron ......................1: AWJ is a consultant for Novadip Biosciences and Lifesprout LLC.

James, Aaron .........................3B: Consultant, Lifesprout LLC and Novadip LLC; 8: Editorial Board, Bone Research, American Journal of Pathology; 9: Scientific advisory board, Novadip LLC.

James, Aaron .........................3A: Novadip Biosciences, Lifesprout LLC.

James, Aaron .........................3B: Lifesprout LLC, Novadip LLC; 8: Bone Research, American Journal of Pathology.

James, Aaron .........................8: Bone Research, American Journal of Pathology; 9: Scientific advisory board, Novadip LLC.

James, Aaron W. ..................*Disclosed no conflict of interest.*

James, Khara .....................*Disclosed no conflict of interest.*

James, Mark N ..................*Disclosed no conflict of interest.*

James, Nina .......................*Disclosed no conflict of interest.*

James, Tillman ..................*Disclosed no conflict of interest.*

Jamison, Samantha E ............*Disclosed no conflict of interest.*

Jamsa, Timo ......................*Disclosed no conflict of interest.*

Jan, Kyleen .......................*Disclosed no conflict of interest.*

Jana, Aniket ......................*Disclosed no conflict of interest.*

Janani, Ronak ....................*Disclosed no conflict of interest.*

Jang, Se Youn ....................*Disclosed no conflict of interest.*

Jang, Woo Young ..................*Disclosed no conflict of interest.*

Jang, Young .......................*Disclosed no conflict of interest.*

Jansen, Jan Ulrich ...............*Disclosed no conflict of interest.*

Jansen, Tim L.T.A. ..............*Disclosed no conflict of interest.*

Janssen, Dennis ..................3B: Invibio Ltd.; 5: Invibio Ltd.

Janssen, Dennis ..................3B: Invibio Ltd; 5: Depuy Synthes, Invibio Ltd; 8: Biomechanics Section of HIP International.

Janssen, Rob P.A. ...............*Disclosed no conflict of interest.*

Jantti, Jiri .........................*Disclosed no conflict of interest.*

Jäntti, Jiri .........................*Disclosed no conflict of interest.*

Janus, Alyna-Marie ..........*Disclosed no conflict of interest.*

Janz, Viktor .......................*Disclosed no conflict of interest.*
Jaroszynski, Kathryn M  Disclosed no conflict of interest.
Jarzem, Peter  Disclosed no conflict of interest.
Jasinkiewicz, Noah A.  Disclosed no conflict of interest.
Jaworski, Hayden  Disclosed no conflict of interest.
Jay, Gregory  4: Lubris LLC.
Jay, Gregory D  4: Lubris LLC.
Jayash, Soher  Disclosed no conflict of interest.
Jayasuriya, Chathuraka Disclosed no conflict of interest.
Jbeily, Elias  Disclosed no conflict of interest.
Jbeily, Elias H  Disclosed no conflict of interest.
Jean-Francois, Daneault Disclosed no conflict of interest.
Jeck, William Disclosed no conflict of interest.
Jeff, Silber  Disclosed no conflict of interest.
Jeffers, Cameron Disclosed no conflict of interest.
Jeffers, Jonathan R.T.  Disclosed no conflict of interest.
Jehring, Ulrike Disclosed no conflict of interest.
Jella, Satya Disclosed no conflict of interest.
Jelliss, Paul Disclosed no conflict of interest.
Jelvani, Alborz Disclosed no conflict of interest.
Jenk, Austin C Disclosed no conflict of interest.
Jenkins, Daniel Disclosed no conflict of interest.
Jenkins, Danna Disclosed no conflict of interest.
Jenne, Craig Disclosed no conflict of interest.
Jennings, Jessica A  5: Abbott Diabetes Care, Austin Medical Ventures, Chitozan Health; 7B: Elsevier.
Jennings, Jessica A Disclosed no conflict of interest.
Jensen, Sydney Disclosed no conflict of interest.
Jeon, Oju Disclosed no conflict of interest.
Jeon, Young Dae Disclosed no conflict of interest.
Jeong, Annie L. Disclosed no conflict of interest.
Jeong, Bo Won Disclosed no conflict of interest.
Jeong, Daun Disclosed no conflict of interest.
Jeong, Hun-Jin Disclosed no conflict of interest.
Jeong, Seongho Disclosed no conflict of interest.
Jepsen, Karl Disclosed no conflict of interest.
Jerban, Saeed Disclosed no conflict of interest.
Jergova, Stanislava Disclosed no conflict of interest.
Jergović, Mladen Disclosed no conflict of interest.
Jerreld, Kyle Disclosed no conflict of interest.
Jestus, Jack Disclosed no conflict of interest.
Jevsevar, Kori Disclosed no conflict of interest.
Jian, Jinlong Disclosed no conflict of interest.
Jiang, Chen Disclosed no conflict of interest.
Jiang, Lijie Disclosed no conflict of interest.
Jiang, Shuaibing Disclosed no conflict of interest.
Jiang, Will M Disclosed no conflict of interest.
Jiang, Xi Disclosed no conflict of interest.
Jiang, Zhaowei Disclosed no conflict of interest.
Jiménez Andrade, Juan M Disclosed no conflict of interest.
Jimenez, Andrew Disclosed no conflict of interest. 6: Research grant from Arthrex.
Jimenez, Andrew E. Disclosed no conflict of interest.
Jimenez, Gissell Disclosed no conflict of interest.
Jiménez, Juan Miguel Disclosed no conflict of interest.
Jin, Christopher A Disclosed no conflict of interest.
Jin, James M Disclosed no conflict of interest.
Jin, Li Disclosed no conflict of interest.
Jin, Yongqiang Vincent Disclosed no conflict of interest.
Jin, Yuxuan Disclosed no conflict of interest.
Jing, Xingyu .......................... Disclosed no conflict of interest.
Jing, Yan .................................. Disclosed no conflict of interest.
Jinzaki, Masahiro .......................... 7A: Canon Medical Systems.
Jo, Min Young .......................... Disclosed no conflict of interest.
Jo, Mingoo .......................... Disclosed no conflict of interest.
Jo, Suenghwan .......................... Disclosed no conflict of interest.
Joel, Mayo .......................... Disclosed no conflict of interest.
Joenathan, Anisha .......................... Disclosed no conflict of interest.
Joeng, Kyu-sang .......................... Disclosed no conflict of interest.
Joergensen, Andrea Rene .......................... Disclosed no conflict of interest.
Johnathon, McCormick .......................... Disclosed no conflict of interest.
Johnson, Abigayle .......................... Disclosed no conflict of interest.
Johnson, Anne Holland .......................... Disclosed no conflict of interest.
Johnson, Benjamin .......................... Disclosed no conflict of interest.
Johnson, Benjamin T ....................... Disclosed no conflict of interest.
Johnson, Camille .......................... Disclosed no conflict of interest.
Johnson, Casey .......................... 5: Medtronic.
Johnson, Casey P .......................... 5: Medtronic.
Johnson, Casey P .......................... 5: Medtronic.
Johnson, David .......................... Disclosed no conflict of interest.
Johnson, Douglass .......................... Disclosed no conflict of interest.
Johnson, James .......................... 3B: Enovis.
Johnson, Joseph P .......................... Disclosed no conflict of interest.
Johnson, Kurt .......................... Disclosed no conflict of interest.
Johnson, Lindsey G .......................... Disclosed no conflict of interest.
Johnson, Marit .......................... Disclosed no conflict of interest.
Johnson, Marit E .......................... Disclosed no conflict of interest.
Johnson, Martin .......................... 3A: Zoan Nuáil Teoranta.
Johnson, Micah .......................... Disclosed no conflict of interest.
Johnson, Micah K .......................... Disclosed no conflict of interest.
Johnson, Peyton Disclosed no conflict of interest.
Johnson, Robin Disclosed no conflict of interest.
Johnson, Talayah Disclosed no conflict of interest.
Johnston, Benjamin Disclosed no conflict of interest.
Johnston, Benjamin B. Disclosed no conflict of interest.
Johnston, Tyler Disclosed no conflict of interest.
Johnstone, Alan Disclosed no conflict of interest.
Johnstone, Laurel Disclosed no conflict of interest.
Jokl, Peter Disclosed no conflict of interest.
Jonason, Jennifer Disclosed no conflict of interest.
Jonason, Jennifer H. Disclosed no conflict of interest.
Jones, Brandon C Disclosed no conflict of interest.
Jones, Calvin Disclosed no conflict of interest.
Jones, Christopher M 5: Received a small grant to support graduate students and material for the study from ExsoMed.
Jones, Courtney Disclosed no conflict of interest.
Jones, Dakota Disclosed no conflict of interest.
Jones, Deborah Disclosed no conflict of interest.
Jones, Hugh Disclosed no conflict of interest.
Jones, Ian A. Disclosed no conflict of interest.
Jones, Jessica T Disclosed no conflict of interest.
Jones, Morgan Disclosed no conflict of interest.
Jones, Parker Disclosed no conflict of interest.
Jones, Ryan Disclosed no conflict of interest.
Jones, Tanner Disclosed no conflict of interest.
Jones, Vicki Disclosed no conflict of interest.
Jonkers, Ilse Disclosed no conflict of interest.
Joo, Min Wook Disclosed no conflict of interest.
Joo, Peter Disclosed no conflict of interest.
Joo, Peter Y Disclosed no conflict of interest.
Joo, Peter Y.......................... Disclosed no conflict of interest.

Jordan, David ....................... Disclosed no conflict of interest.

Joris, Virginie .......................... Disclosed no conflict of interest.

Joseph, Justin.......................... Disclosed no conflict of interest.

Joseph, Karam .......................... Disclosed no conflict of interest.

Joseph, Reece S ....................... Disclosed no conflict of interest.

Josephson, Brian G. .................. Disclosed no conflict of interest.

Joshi, Manjari .......................... Disclosed no conflict of interest.

Jouflas, Alex C .......................... Disclosed no conflict of interest.

Joyce, Christopher D .................. Disclosed no conflict of interest.

Joyce, Michael .......................... Disclosed no conflict of interest.

Ju, Xin.................................. Disclosed no conflict of interest.

Jubashi, Takahiro ...................... Disclosed no conflict of interest.

Julien, Catherine ...................... Disclosed no conflict of interest.

Jun, Bong-Jae .......................... 1: Viscus Biologics.

Junaid, Sarah .......................... Disclosed no conflict of interest.

Juncker, David .......................... Disclosed no conflict of interest.

June, Ron .............................. 4: Dr. June owns stock in Beartooth Biotech and OpenBioWorks which were not involved in this study.

June, Ron .............................. 4: RKJ owns stock in Beartooth Biotech which was not involved in this study.

June, Ron K ............................ 4: Dr. June owns stock in Beartooth Biotech and OpenBioWorks, which were not involved.

June, Ronald K ....................... 4: Dr. June owns stock in Beartooth Biotech and OpenBioWorks which was not involved in this study.


Jung, Amaury ............................ 3A: Blue-Ortho.

Jung, Amaury ............................ 3A: Blue-Ortho; 4: Exactech.

Jung, Bongseok ......................... Disclosed no conflict of interest.

Jung, Gu-Hee ............................ Disclosed no conflict of interest.
Jung, Hyun Min………………..Disclosed no conflict of interest.
Jung, Koo Whang………………..Disclosed no conflict of interest.
Jung, Kwang-Hwan………………..Disclosed no conflict of interest.
Jupiter, Daniel C…………………..Disclosed no conflict of interest.
Jurayj, Jane……………………..Disclosed no conflict of interest.
Jurynec, Mick……………………Disclosed no conflict of interest.
Jutten, Liesbeth…………………..Disclosed no conflict of interest.
Juuti, Jari………………………..Disclosed no conflict of interest.
Kacena, Melissa A………………..Disclosed no conflict of interest.
Kacker, Ila………………………….Disclosed no conflict of interest.
Kader, Mohammad………………..Disclosed no conflict of interest.
Kadomatsu, Kenji…………………..Disclosed no conflict of interest.
Kadono, Fumihiko…………………..Disclosed no conflict of interest.
Kadoya, Ken…………………………5: Hitachi High-Tech Corporation.
Kafexhiu, Ide……………………..Disclosed no conflict of interest.
Kagda, Fareed……………………..Disclosed no conflict of interest.
Kage, Tomofumi…………………..Disclosed no conflict of interest.
Kahan, Joseph……………………Disclosed no conflict of interest.
Kahan, Seth……………………….Disclosed no conflict of interest.
Kahlenberg, Cynthia………………Disclosed no conflict of interest.
Kahlenberg, Cynthia A……………Disclosed no conflict of interest.
Kahn, Alexandra…………………..Disclosed no conflict of interest.
Kai, Xie…………………………….Disclosed no conflict of interest.
Kaihara, Kenta…………………..Disclosed no conflict of interest.
Kaimochi, Yuta…………………..Disclosed no conflict of interest.
Kaiser, Jarred…………………..Disclosed no conflict of interest.
Kaito, Takashi…………………..Disclosed no conflict of interest.
Kajabi, Abdul Wahed………………Disclosed no conflict of interest.
Kaji, Yoshio…………………..Disclosed no conflict of interest.
Kakar, Sanjeev .......................1: Arthrex; 4: Sonex Health; 7A: Arthrex.
Kakiage, Hibiki .......................Disclosed no conflict of interest.
Kakutani, Kenichiro ..................6: Surgical Spine, Inc.
Kalajzic, Ivo .........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kale, Amod ..........................Disclosed no conflict of interest.
Kallas-Koeman, Melissa .............Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kalyan, Gaya ..........................Disclosed no conflict of interest.
Kalco, Hana ..........................Disclosed no conflict of interest.
Kallman, Tyler .......................Disclosed no conflict of interest.
Kalshoven, Josephine .................Disclosed no conflict of interest.
Kaneda, Giselle: Intuitive Surgical, Pfizer.
Kaneda, Kazuya: Disclosed no conflict of interest.
Kaneko, Hiroki: Disclosed no conflict of interest.
Kanemura, Naohiko: Disclosed no conflict of interest.
Kanetis, Jake: Disclosed no conflict of interest.
Kaneyama, Ryutaku: Disclosed no conflict of interest.
Kang, Hakmook: Disclosed no conflict of interest.
Kang, Hyunwoo P: Disclosed no conflict of interest.
Kang, Innie Y: Disclosed no conflict of interest.
Kang, James: Disclosed no conflict of interest.
Kang, Kevin K: Disclosed no conflict of interest.
Kang, Michael: Disclosed no conflict of interest.
Kang, Minjung: Disclosed no conflict of interest.
Kang, Seungcheol: Disclosed no conflict of interest.
Kang, Sungwook: Disclosed no conflict of interest.
Kanjiya, Shrey: Disclosed no conflict of interest.
Kannambadi, Devika: Disclosed no conflict of interest.
Kannambadi, Devika Dutta: Disclosed no conflict of interest.
Kanner, Christopher: Disclosed no conflict of interest.
Kanniyappan, Hemalatha: Disclosed no conflict of interest.
Kanto, Ryo: Disclosed no conflict of interest.
Kanumuri, Sanjana: Disclosed no conflict of interest.
Kanzaki, Koji: Disclosed no conflict of interest.
Kanzaki, Noriyuki: Disclosed no conflict of interest.
Kaplan, Avery: Disclosed no conflict of interest.
Kaplan, Daniel: Disclosed no conflict of interest.
Kaplan, Heidi B: Disclosed no conflict of interest.
Kaplan, Lee: Disclosed no conflict of interest.
Kaplan, Lee D: Disclosed no conflict of interest.
Karali, Katerina: Disclosed no conflict of interest.
Karam, Aliaa .............................. Disclosed no conflict of interest.
Karam, Joseph .............................. Disclosed no conflict of interest.
Karas, Vasili .............................. 5: Corin USA.
Karasavvidis, Theofilos .................. Disclosed no conflict of interest.
Karashima, Momoko ..................... Disclosed no conflict of interest.
Karczewski, Daniel ...................... Disclosed no conflict of interest.
Kardestuncan, Kian ..................... Disclosed no conflict of interest.
Karim, Lamya ............................. Disclosed no conflict of interest.
Karimi Dastgerdi, Ayda .................. Disclosed no conflict of interest.
Karim, Amin .............................. Disclosed no conflict of interest.
Karjalainen, Hanna ..................... Disclosed no conflict of interest.
Karjalainen, Kalle ..................... Disclosed no conflict of interest.
Karjalainen, Pasi A ..................... Disclosed no conflict of interest.
Karjalainen, Ville-Pauli ................ Disclosed no conflict of interest.
Karlin, Elan .............................. Disclosed no conflict of interest.
Karne, Sridhar .......................... Disclosed no conflict of interest.
Karner, Courtney M ..................... Disclosed no conflict of interest.
Karochan, Antoine ..................... Disclosed no conflict of interest.
Karoulias, Stylianos Zafeirios ....... 3A: Regeneron Pharmaceuticals.
Karperien, Marcel ...................... Disclosed no conflict of interest.
Karpinnen, Jaro ......................... Disclosed no conflict of interest.
Karuman, Zara .......................... Disclosed no conflict of interest.
Karunanidhi, Meenal ................... Disclosed no conflict of interest.
Karzon, Anthony ....................... Disclosed no conflict of interest.
Karzon, Anthony L ..................... Disclosed no conflict of interest.
Kasem, Haytam ......................... Disclosed no conflict of interest.
Kashanchi, Kevin ....................... Disclosed no conflict of interest.
Kashanian, Koorosh .......................... Disclosed no conflict of interest.
Kashay, Amber ............................ Disclosed no conflict of interest.
Kasler, Herbert .............................. Disclosed no conflict of interest.
Kaspari, Aidan ............................... Disclosed no conflict of interest.
Kasra, Mehran ............................... Disclosed no conflict of interest.
Kassel, Brandon ............................. Disclosed no conflict of interest.
Kasuya, Taisuke ............................. Disclosed no conflict of interest.
Katagiri, Hiroki ............................. Disclosed no conflict of interest.
Katagishi, Makoto ........................... 3A: Hitachi High-Tech Corporation.
Katakura, Mai ............................... Disclosed no conflict of interest.
Katano, Hisako .............................. Disclosed no conflict of interest.
Kataoka, Kiminari ........................... Disclosed no conflict of interest.
Katayama, Haruyoshi ........................ Disclosed no conflict of interest.
Katembwe, Raissa ........................... Disclosed no conflict of interest.
Kates, Stephen ............................. Disclosed no conflict of interest.
Kato, Jiro .............................. Disclosed no conflict of interest.
Kato, Kenji .............................. Disclosed no conflict of interest.
Kato, Tatsuo ............................... Disclosed no conflict of interest.
Katsumata, Toyohiro ........................ Disclosed no conflict of interest.
Katsumi, Ryota ............................. Disclosed no conflict of interest.
Kattar, Jacqueline .......................... Disclosed no conflict of interest.
Katya, McDonald ............................ Disclosed no conflict of interest.
Katz, Austen ............................... Disclosed no conflict of interest.
Katz, Jeffrey ............................... 8: JBJS.
Katz, Lee ............................... Disclosed no conflict of interest.
Katz, Ronit ............................... Disclosed no conflict of interest.
Kaufman, Kenton ........................... Disclosed no conflict of interest.
Kaufman, Kenton R ......................... Disclosed no conflict of interest.
Kaupp, Shannon .......................... Disclosed no conflict of interest.
Kaur, Bhavneet .......................... Disclosed no conflict of interest.
Kaur, Gurcharan .......................... Disclosed no conflict of interest.
Kaur, Jyotdeep .......................... Disclosed no conflict of interest.
Kaur, Kulwinder .......................... Disclosed no conflict of interest.
Kaushal, Shankar .......................... Disclosed no conflict of interest.
Kaushal, Shankar G .......................... Disclosed no conflict of interest.
Kautz, Steven .......................... Disclosed no conflict of interest.
Kavari, Sara .......................... Disclosed no conflict of interest.
Kawabata, Sora .......................... Disclosed no conflict of interest.
Kawabata, Yusuke .......................... Disclosed no conflict of interest.
Kawachi, Asami .......................... 3A: TUNZ Pharma.
Kawada, Akinobu .......................... Disclosed no conflict of interest.
Kawada, Koki .......................... Disclosed no conflict of interest.
Kawaguchi, Kenichi .......................... Disclosed no conflict of interest.
Kawaguchi, Kohei .......................... Disclosed no conflict of interest.
Kawaguchi, Koki .......................... Disclosed no conflict of interest.
Kawahara, Shinya .......................... Disclosed no conflict of interest.
Kawai, Akira .......................... Disclosed no conflict of interest.
Kawai, Yuzuha .......................... Disclosed no conflict of interest.
Kawakami, Kensaku .......................... Disclosed no conflict of interest.
Kawakami, Shohei .......................... Disclosed no conflict of interest.
Kawamura, Ichiro .......................... Disclosed no conflict of interest.
Kawamura, Kenji .......................... Disclosed no conflict of interest.
Kawanishi, Yusuke .......................... Disclosed no conflict of interest.
Kawano, Shunsuke .......................... Disclosed no conflict of interest.
Kawano, Takumi .......................... Disclosed no conflict of interest.
Kawarai, Yuya .......................... Disclosed no conflict of interest.
Kawasaki, Keikichi .......................... Disclosed no conflict of interest.
Kawasaki, Makoto .......................... Disclosed no conflict of interest.
Kawasaki, Tomonori Disclosed no conflict of interest.
Kawashima, Hiroyuki Disclosed no conflict of interest.
Kawashima, Ital Disclosed no conflict of interest.
Kawashima, Itaru Disclosed no conflict of interest.
Kawashima, Tatsuhiro Disclosed no conflict of interest.
Kawcak, Chris Disclosed no conflict of interest.
Kay, Jeffery Disclosed no conflict of interest.
Kaya, Serra Disclosed no conflict of interest.
Kayani, Babar Disclosed no conflict of interest.
Kazakia, Galateia Disclosed no conflict of interest.
Kazemi, Masumeh Disclosed no conflict of interest.
Kazi, Omair Disclosed no conflict of interest.
Kazmers, Nikolas Disclosed no conflict of interest.
Kazui, Arisa Disclosed no conflict of interest.
Kazuki, Sasaya Disclosed no conflict of interest.
Kazushi, Horita Disclosed no conflict of interest.
Kazuya, Uehara Disclosed no conflict of interest.
Ke, Hua Zhu (David) Disclosed no conflict of interest.
Kean, Thomas 4: ABT, AZN, FATE, FUJIY, GILD, GWW, MRK, VSTM; 9: Innovation Network Committee Member, Cartilage Topic Co-Chair.
Kean, Thomas J 4: ABT, AZN, FATE, FUJIY, GILD, GWW, MRK, VSTM; 9: Innovation Network Committee Member, Cartilage Topic Co-Chair.
Kebaish, Kareem Disclosed no conflict of interest.
Kebbach, Märuan 9: Member of German Society of Biomechanics, Member of European Society of Biomechanics.
Keckler, Kayla Disclosed no conflict of interest.
Keeley, Elizabeth Disclosed no conflict of interest.
Keeley, Jacob Disclosed no conflict of interest.
Keen, Jacob AC Disclosed no conflict of interest.
Keener, Jay D..................................1: Stryker, Shoulder Innovations; 3B: Stryker; 8: Seminars in Arthroplasty: JSES.

Keeney, James .........................8: J of Hip Surgery, J of Knee Surgery, Orthopedics; 9: AAHKS, AOA, MAOA, MSOA.


Keeney, James A..........................3B: DePuy, Flexion Therapeutics, Heron Therapeutics; 8: J of Hip Surgery, J of Knee surgery, Orthopedics; 9: AAHKS, AOA, MAOA, MSOA.

Keeney, James A..........................8: J of Hip Surgery, J of Knee Surgery, Orthopedics; 9: AAHKS, AOA, MAOA, MSOA.

Keeter, Carson ..........................Disclosure no conflict of interest.

Keeton, Gabe J..........................Disclosure no conflict of interest.

Keeton, Gabriel ..........................Disclosure no conflict of interest.

Keikichi, Kawasaki .......................Disclosure no conflict of interest.

Keiser, Meret ............................Disclosure no conflict of interest.

Keith Lang, Sinaia ....................Disclosure no conflict of interest.

Keller, Camryn ..........................Disclosure no conflict of interest.

Keller, Vajra .............................Disclosure no conflict of interest.

Kellomäki, Minna .......................Disclosure no conflict of interest.

Kelly, Brian ..............................Disclosure no conflict of interest.

Kelly, Daniel ............................Disclosure no conflict of interest.

Kelly, Daniel J ............................Disclosure no conflict of interest.

Kelly, Michael ..........................Disclosure no conflict of interest.

Kempen, Diederik .......................Disclosure no conflict of interest.

Kenawy, Hagar ..........................Disclosure no conflict of interest.

Kenawy, Hagar M .........................Disclosure no conflict of interest.

Kenawy, Hagar M ........................Disclosure no conflict of interest.
Kennedy, Christopher S........... *Disclosed no conflict of interest.*

Kennedy, Julianna .................... *Disclosed no conflict of interest.*

Kennedy, Leah ........................ *Disclosed no conflict of interest.*

Kenney, Deborah ........................ *Disclosed no conflict of interest.*

Kennichi, Kawaguchi .................. *Disclosed no conflict of interest.*

Kenny, Megan ........................ *Disclosed no conflict of interest.*

Kent, Daniel ............................ *Disclosed no conflict of interest.*

Kent, Jane A ............................. *Disclosed no conflict of interest.*

Kent, William ............................ *Disclosed no conflict of interest.*

Kenter, Keith ............................ 8: Keith Kenter is Associate Editor of OJSM.

Kenter, Mitchell ........................ *Disclosed no conflict of interest.*

Kento, Watanabe ......................... *Disclosed no conflict of interest.*

Kenter, Chelsea ........................ *Disclosed no conflict of interest.*

Kepler, Christopher ................. 7A: Curetiva, Regeneration Technologies Inc.; 8: Clinical Spine Surgery.

Kepler, Christopher K ........... 7A: Curetiva, Regeneration Technologies Inc.; 8: Clinical Spine Surgery.

Ker, Elmer Dai Fei .................... *Disclosed no conflict of interest.*

Kerluku, Jona ......................... *Disclosed no conflict of interest.*

Kern, Daniela.......................... *Disclosed no conflict of interest.*

Kerr, Megan ............................ *Disclosed no conflict of interest.*

Kersh, Mariana ......................... *Disclosed no conflict of interest.*

Kersh, Mariana E ........................ *Disclosed no conflict of interest.*

Kessell, Karen .......................... *Disclosed no conflict of interest.*

Ketonis, Constantinos ............ *Disclosed no conflict of interest.*

Kettenberger, Ulrike.................. 3A: Flowbone SA; 4: Flowbone SA.

Ketz, John P ............................. *Disclosed no conflict of interest.*

Ketz, John P............................. *Disclosed no conflict of interest.*

Kevin, Ko ............................... 3B: Exactech, Inc.

Kevin, Wu.............................. *Disclosed no conflict of interest.*

Keyak, Joyce H ....................... 4: Bone-Rad Therapeutics, Inc.

Kfuri, Mauricio ....................... 9: AOTrauma.
Khabooshani, Mostafa ............... Disclosed no conflict of interest.
Khalsa, Amrit ........................ Disclosed no conflict of interest.
Khammash, Hadeel ................... Disclosed no conflict of interest.
Khan, Mayeesha ........................ Disclosed no conflict of interest.
Khan, Mohd Nazir ................... Disclosed no conflict of interest.
Khan, Nazir M ........................ Disclosed no conflict of interest.
Khan, Omor ............................ Disclosed no conflict of interest.
Khan, Zeeshan ....................... Disclosed no conflict of interest.
Khandaker, Morshed ............... Disclosed no conflict of interest.
Kharlamov, Alexander .............. 6: Spinal Simplicity.
Khattab, Karim ........................ Disclosed no conflict of interest.
Khawaja, Sameer .................... Disclosed no conflict of interest.
Khawaja, Sameer R ................... Disclosed no conflict of interest.
Kheir, Nadim ......................... Disclosed no conflict of interest.
Khodabakhsh, Shayan .............. 6: Stryker.
Khude, Bhakti ........................ Disclosed no conflict of interest.
Khuu, Stephanie ........................ Disclosed no conflict of interest.
Kiapour, Ali ........................... Disclosed no conflict of interest.
Kibalo, Benjamin ....................... 3A: Benjamin Kibalo.
Kibalo, Benjamin ....................... 3A: DSM Biomedical.
Kida, Yoshikazu ....................... Disclosed no conflict of interest.
Kido, Masamitsu ....................... Disclosed no conflict of interest.
Kihara, Takumi ....................... Disclosed no conflict of interest.
Kii, Sakumo ......................... Disclosed no conflict of interest.
Kikuchi, Kenichi ..................... Disclosed no conflict of interest.
Kilian, Christopher M ............... Disclosed no conflict of interest.
Kilian, Kristopher A ................. Disclosed no conflict of interest.
Killaars, Anouk ....................... Disclosed no conflict of interest.
Killen, Bryce Adrian ................. Disclosed no conflict of interest.
Killian, Megan ....................... Disclosed no conflict of interest.
Killian, Megan L .................... 9: Tendon Section committee.
Killian, Megan L .................... 9: ORS Tendon Section Committee member.
Killian, Megan L .................... 9: Tendon Section committee member.
Kim, Adam ................................ Disclosed no conflict of interest.
Kim, Autumn........................... Disclosed no conflict of interest.
Kim, Byumsu ......................... Disclosed no conflict of interest.
Kim, Daeyoo ........................... Disclosed no conflict of interest.
Kim, Dae-Yoo .......................... Disclosed no conflict of interest.
Kim, Dong Hwa ....................... Disclosed no conflict of interest.
Kim, Dong-Hee ....................... Disclosed no conflict of interest.
Kim, Dongmin ......................... Disclosed no conflict of interest.
Kim, Guk Bae .......................... Disclosed no conflict of interest.
Kim, Harry .......................... 5: HK has patent and patent applications on device and treatment methods for femoral head osteonecrosis.
Kim, Harry K.W. ..................... 5: HK has patent and patent applications on device and treatment methods for femoral head osteonecrosis.
Kim, Hong Seok ...................... Disclosed no conflict of interest.
Kim, Hubert .......................... Disclosed no conflict of interest.
Kim, Hyeonjoo ........................................ Disclosed no conflict of interest.
Kim, Hyo-Hun ........................................ Disclosed no conflict of interest.
Kim, Hyojune ........................................ Disclosed no conflict of interest.
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Kim, Hyunho .......................................... Disclosed no conflict of interest.
Kim, Jacob ............................................. Disclosed no conflict of interest.
Kim, Jaeyoung ........................................ Disclosed no conflict of interest.
Kim, Jeehun ............................................ Disclosed no conflict of interest.
Kim, Jeonghyun ....................................... Disclosed no conflict of interest.
Kim, Ji Yoon ........................................... Disclosed no conflict of interest.
Kim, Jieon J ............................................ Disclosed no conflict of interest.
Kim, Jin-Sung ......................................... Disclosed no conflict of interest.
Kim, Jin-Young ....................................... Disclosed no conflict of interest.
Kim, Joanne ........................................... Disclosed no conflict of interest.
Kim, Jung-Min ........................................ Disclosed no conflict of interest.
Kim, Jieon J ............................................ Disclosed no conflict of interest.
Kim, Jungsung ........................................ 3A: Corentec Company, Ltd.
Kim, Lucas Y ......................................... 6: Richard K. Gershon and Yale School of Medicine Medical Student Research Fellowship.
Kim, Mark (Min Kyu) ................................. Disclosed no conflict of interest.
Kim, Mark (Min Kyu) M .............................. Disclosed no conflict of interest.
Kim, Mihee ............................................. Disclosed no conflict of interest.
Kim, Min Kyu Mark ................................. Disclosed no conflict of interest.
Kim, Minji ............................................. Disclosed no conflict of interest.
Kim, Moo-sub ........................................ Disclosed no conflict of interest.
Kim, Myoung Hwan ................................. Disclosed no conflict of interest.
Kim, Olivia ............................................. Disclosed no conflict of interest.
Kim, Paul .............................................. 3B: Zimmer Biomet.
Kim, Ryan ............................................. Disclosed no conflict of interest.
Kim, Shin Yoon ....................................... Disclosed no conflict of interest.
Kim, Shin-Yoon ....................................... Disclosed no conflict of interest.
Kim, Soohyun...Disclosure no conflict of interest.
Kim, Sung Eun...Disclosure no conflict of interest.
Kim, Sung Hwan...Disclosure no conflict of interest.
Kim, Sung Yeon...Disclosure no conflict of interest.
Kim, Sunjung...Disclosure no conflict of interest.
Kim, Wook-Cheol...Disclosure no conflict of interest.
Kim, Wooyoung...Disclosure no conflict of interest.
Kim, You Jung...Disclosure no conflict of interest.
Kim, Youjung...Disclosure no conflict of interest.
Kim, Young Ju...Disclosure no conflict of interest.
Kim, Young-Jo...Disclosure no conflict of interest.
Kim, Yu Seon...Disclosure no conflict of interest.
Kimmerling, Kelly A...3A: Organogenesis; 4: Organogenesis.
Kimura, Atsushi...Disclosure no conflict of interest.
Kimura, Tadashi...Disclosure no conflict of interest.
Kim-Wang, Sophia Y...Disclosure no conflict of interest.
King, Emily R...Disclosure no conflict of interest.
King, Justin S...Disclosure no conflict of interest.
King, Keith...Disclosure no conflict of interest.
King, Peyton L...Disclosure no conflict of interest.
Kinnerk, Kyle...Disclosure no conflict of interest.
Kinoshita, Koichi...2: Kyocera, Kyoto, Japan.
Kippner, Linda...Disclosure no conflict of interest.
Kiridly, Daniel...Disclosure no conflict of interest.
Kirnaz, Sertac...Disclosure no conflict of interest.
Kirsch, Thorsten...Disclosure no conflict of interest.
Kirwan, Mateo .........................Disclosed no conflict of interest.
Kisamori, Kazuki ....................Disclosed no conflict of interest.
Kishan, Arman ........................Disclosed no conflict of interest.
Kishi, Daiki ..........................Disclosed no conflict of interest.
Kishikawa, Jun ........................Disclosed no conflict of interest.
Kishima, Kazuya ..........................Disclosed no conflict of interest.
Kishimoto, Yasuzumi ..................Disclosed no conflict of interest.
Kissin, Mark ............................Disclosed no conflict of interest.
Kitade, Kazuki ..........................Disclosed no conflict of interest.
Kitahara, Keita ..........................Disclosed no conflict of interest.
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Klika, Alison Disclosed no conflict of interest.
Klinder, Annett Disclosed no conflict of interest.
Klink, Rachel K Disclosed no conflict of interest.
Kloefkorn, Heidi Disclosed no conflict of interest.
Klose, Heidi Disclosed no conflict of interest.
Kloess, Daniel 3A: CEO at INNOPROOF GmbH.
Klug, Peter Disclosed no conflict of interest.
Klug, Trevan Disclosed no conflict of interest.
Klüppel, Michael Disclosed no conflict of interest.
Knebel, Ashley N Disclosed no conflict of interest.
Knecht, Raphael S Disclosed no conflict of interest.
Kneeland, Bruce Disclosed no conflict of interest.
Knezic, Noah Disclosed no conflict of interest.
Knight, Eleanor Disclosed no conflict of interest.
Knights, Alexander Disclosed no conflict of interest.
Knothe Tate, Melissa L 3C: TissuTex Pty Ltd; 4: TissuTex Pty Ltd; 8: Current Opinion in Biomedical Engineering, Frontiers Medical Technologies; 9: TissuTex Pty Ltd.
Knowles, Ryan Disclosed no conflict of interest.
Knowlton, Christopher Disclosed no conflict of interest.
Knowlton, Christopher B Disclosed no conflict of interest.
Knutsen, Karsten Disclosed no conflict of interest.
Knutson, Kas Disclosed no conflict of interest.
Knutson, Kassidy Disclosed no conflict of interest.
Ko, Frank Disclosed no conflict of interest.
Ko, Jina Disclosed no conflict of interest.
Ko, Ji-Yun Disclosed no conflict of interest.
Ko, Po-Yen Disclosed no conflict of interest.
Kobayakawa, Kazu Disclosed no conflict of interest.
Kobayashi, Eisuke Disclosed no conflict of interest.
Kobayashi, Gai ....................... Disclosed no conflict of interest.
Kobayashi, Gerson S. ............... Disclosed no conflict of interest.
Kobayashi, Makoto .................. Disclosed no conflict of interest.
Kobayashi, Naomi ................... Disclosed no conflict of interest.
Kobayashi, Shu ...................... Disclosed no conflict of interest.
Kobayashi, Yumiko .................. Disclosed no conflict of interest.
Kobayashi, Yusuke ................... Disclosed no conflict of interest.
Kobbe, Philipp ...................... 3B: Stryker.
Kobori, Yu .......................... Disclosed no conflict of interest.
Kobryn, Andriy ...................... Disclosed no conflict of interest.
Koch, Cameron J. ................... Disclosed no conflict of interest.
Koch, Kevin ........................ Disclosed no conflict of interest.
Koch, Kevin M ........................ Disclosed no conflict of interest.
Koda, Masao ......................... Disclosed no conflict of interest.
Kodama, Yuya ........................ Disclosed no conflict of interest.
Koehli, Paul ........................ Disclosed no conflict of interest.
Koenig, Judith ...................... Disclosed no conflict of interest.
Koff, Matthew ...................... Disclosed no conflict of interest.
Koga, Hideyuki ...................... Disclosed no conflict of interest.
Koga, Hiroshi ....................... Disclosed no conflict of interest.
Kogai, Yasumichi ................... Disclosed no conflict of interest.
Kogan, Monica ...................... Disclosed no conflict of interest.
Koh, Beuben Min Shen ............. Disclosed no conflict of interest.
Koh, Jason .......................... Disclosed no conflict of interest.
Koh, Kyoung Hwan .................. Disclosed no conflict of interest.
Kohler, Rachel
Kohyama, Sho
Koibuchi, Noriyuki
Koichi, Sairyo
Koichiro, Ono
Kojima, Kei
Kojima, Takuma
Kok, Joeri
Kokabu, Terufumi
Kokinos, Brittney
Kokubun, Takanori
Kok, Joeri
Kolanthai, Elayaraja
Koleilat, Majed
Kolipaka, Arunark
Koltenyuk, Victor
Komatsu, David
Komatsu, David E.
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Komistek, Richard
Komlos, Daniel
Komohara, Yoshihiro
Konan, Sujith
Konar, Sandhya
Konda, Shoji
Kondo, Ayana
Kondo, Eiji
Kondo, Hyuma

Disclosed no conflict of interest.

3A: Deaconess Health System; 5: Deaconess Clinical Research Institute; 9: Deaconess Clinical Research Institute.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

1: DePuy Synthes; 3B: DePuy Synthes.

Disclosed no conflict of interest.
Kondo, Makoto .......................... Disclosed no conflict of interest.
Kondrashov, Dimitriy .................... Disclosed no conflict of interest.
Konety, Rucha ............................. Disclosed no conflict of interest.
Kong, Xiangxi ............................. Disclosed no conflict of interest.
Kong, Yiwei ................................ Disclosed no conflict of interest.
Konishi, Katsuyuki .......................... Disclosed no conflict of interest.
Konishi, Mai ................................ Disclosed no conflict of interest.
Kono, Kenichi ............................. Disclosed no conflict of interest.
Kono, Masae ................................. 3A: teijin nakashima medical.
Kono, Sotaro ................................. Disclosed no conflict of interest.
Konopitski, Andrew ........................ Disclosed no conflict of interest.
Kontaxis, Andreas .......................... Disclosed no conflict of interest.
Koo, Bonhyeock ........................... Disclosed no conflict of interest.
Koo, Seungbum ............................. Disclosed no conflict of interest.
Kopchick, John ............................. Disclosed no conflict of interest.
Kopriva, John ................................ Disclosed no conflict of interest.
Kopriva, John M ............................ Disclosed no conflict of interest.
Korber, Shane ............................. Disclosed no conflict of interest.
Korhonen, Rami ............................
Korhonen, Rami K .......................... Disclosed no conflict of interest.
Korhonen, Rami K .......................... Disclosed no conflict of interest.
Korley, Robert ............................. Disclosed no conflict of interest.
Korna, Farida ............................. Disclosed no conflict of interest.
Kornbluth, Jacki ........................... Disclosed no conflict of interest.
Koroneos, Zachary .......................... Disclosed no conflict of interest.
Koroneos, Zachary A ........................ Disclosed no conflict of interest.
Koroth, Jinsha .............................. 5: Medtronic.
Korpelainen, Raija .......................... Disclosed no conflict of interest.
Korpershoek, Jasmijn ........................ Disclosed no conflict of interest.
Korpershoek, Jasmijn V ........................ Disclosed no conflict of interest.
Korytkowski, Paul D .......... Disclosed no conflict of interest.
Koshak, Christina ............... Disclosed no conflict of interest.
Koshimae, Tomoko ............... Disclosed no conflict of interest.
Kositsky, Adam .................. Disclosed no conflict of interest.
Kosonen, Joonas ................. Disclosed no conflict of interest.
Kosonen, Joonas P ............... Disclosed no conflict of interest.
Kostic, Aleksandra .............. Disclosed no conflict of interest.
Kostmann, Cris .................. Disclosed no conflict of interest.
Kostyra, David M. ............... Disclosed no conflict of interest.
Kosugiyama, Hironobu .......... Disclosed no conflict of interest.
Kot, Cheuk Hin .................. Disclosed no conflict of interest.
Kotha, Shreya ................... Disclosed no conflict of interest.
Kothari, Priyanka ............... 3A: Paid Employee of NextCure.
Kotoura, Yoshihiro .............. Disclosed no conflict of interest.
Koumpouras, Dimitrios ........ Disclosed no conflict of interest.
Kovacs, Adalbert ............... Disclosed no conflict of interest.
Kovanecz, Istvan ............... Disclosed no conflict of interest.
Kowalski, Erik ................... 3A: Employee of Zimmer Biomet.
Kowalski, Joseph ............... Disclosed no conflict of interest.
Koya, Takayuki ................. Disclosed no conflict of interest.
Koyama, Eiki .................... Disclosed no conflict of interest.
Koyama, Tsuyoshi ............... Disclosed no conflict of interest.
Koyanagi-Aoi, Michiko ........ Disclosed no conflict of interest.
Kozloff, Kenneth ................ Disclosed no conflict of interest.
Kozu, Takashi ................... Disclosed no conflict of interest.
Krähenbühl, Nicola ............ Disclosed no conflict of interest.
Krahl, Leonie A.N. ............. Disclosed no conflict of interest.
Kramer, Jacob .................. Disclosed no conflict of interest.
Kramer, Jacob S ................. Disclosed no conflict of interest.
Kraus, Jonathan C ...................... Disclosed no conflict of interest.
Krebs, Viktor .......................... Disclosed no conflict of interest.
Kreulen, Christopher D ................ Disclosed no conflict of interest.
Kreulen, Christopher D ................ Arthrex; 3B: Arthrex, Synthes, MedShape, Zimmer Biomet Holdings, Medical Device Business Services; 5: Arthrex, Wright Medical, Enovis/MedShape, Sequoia Surgical.
Kridel, William .......................... Disclosed no conflict of interest.
Kreulen, Christopher D ................ Disclosed no conflict of interest.
Krishna, Vijay .......................... Disclosed no conflict of interest.
Krishnan, Ravi ......................... 3A: Paradigm Biopharmaceuticals Ltd.; 4: Paradigm Biopharmaceuticals Ltd.
Kronemberger, Gabriela S ........... Disclosed no conflict of interest.
Kronenberg, Daniel .................... Disclosed no conflict of interest.
Kronk, Trinity .......................... Disclosed no conflict of interest.
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Kroon, Tori .............................. Disclosed no conflict of interest.
Krug, Roland ............................ Disclosed no conflict of interest.
Kruiger, Karen M ........................ Disclosed no conflict of interest.
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Krych, Aaron ............................. Disclosed no conflict of interest.
Krzak, Joseph J .......................... Disclosed no conflict of interest.
Ku, Jennifer .............................. Disclosed no conflict of interest.
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Kubiak, Eric .............................. Disclosed no conflict of interest.
Kubik, Angela ............................ Disclosed no conflict of interest.
Kubosch, Johanna ....................... Disclosed no conflict of interest.
Kubota, Makoto Disclosed no conflict of interest.
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Kuboya, Kaisei Disclosed no conflict of interest.
Kubsad, Sanjay Disclosed no conflict of interest.
Kucharik, Michael Disclosed no conflict of interest.
Kucko, Nathan Disclosed no conflict of interest.
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Kudo, Yoshifumi Disclosed no conflict of interest.
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Kuehn, Sally J Disclosed no conflict of interest.
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Kueppers, Oliver Disclosed no conflict of interest.
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Kuhns, Ben Disclosed no conflict of interest.
Kulasek, Michal Disclosed no conflict of interest.
Kulkarni, Ishani Disclosed no conflict of interest.
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Kumai, Tsukasa Disclosed no conflict of interest.
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Kumar, Shreya Disclosed no conflict of interest.
Kumar, Udit Disclosed no conflict of interest.
Kumar, Vatsal Disclosed no conflict of interest.
Kumar, Vikas 1: Lifespans, Ltd.; 3A: Lifespans, Ltd.; 4: Lifespans, Ltd.
Kumar, Vikas 3A: Exactech.
Kumar, Vikas 3A: Exactech, Inc.
Kumaran, Yogesh  
Disclosed no conflict of interest.

Kunes, Jennifer  
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Kunisada, Toshiyuki  
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Kuntz, Andy  

Kuntz, Andy F.  

Kunze, Melanie  
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Kuo, Catherine K.  
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Kurakazu, Ichiro  
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Kurihara, Takuya  
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Kurina, Steven  
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Kuriyama, Shinichi  
5: Olympus Terumo Biomaterials.

Kuroda, Ryosuke  
Disclosed no conflict of interest.

Kuroda, Yuichi  
Disclosed no conflict of interest.

Kuroiwa, Tomoyuki  
Disclosed no conflict of interest.

Kurokawa, Hiroaki  
Disclosed no conflict of interest.

Kuroki, Keiichi  
Disclosed no conflict of interest.

Kuroshima, Kohei  
Disclosed no conflict of interest.

Kurtaliaj, Iden  
Disclosed no conflict of interest.

Kurtz, Peter  
Disclosed no conflict of interest.

Kurtz, Steven  

Kurtz, Steven M.  
Kusaba, Yohei ................... Disclosed no conflict of interest.
Kusunose, Masaya ................ Disclosed no conflict of interest.
Kutlar, Abdullah ............... Disclosed no conflict of interest.
Kwada, Koki ..................... Disclosed no conflict of interest.
Kwak, Daniel ..................... Disclosed no conflict of interest.
Kwon, John ........................ Disclosed no conflict of interest.
Kwon, Michelle P ............... Disclosed no conflict of interest.
Kwon, Ronald ..................... Disclosed no conflict of interest.
Kwon, Siyoon ........................ 3A: Limax Biosciences.
Kyllönen, Laura .................... Disclosed no conflict of interest.
Kyriacos, Athanasiou .......... 4: Cartilage Inc.
Kyung, Min Gyu ................... Disclosed no conflict of interest.
La Banca, Vitor..............................3A: Hefesto Medtech.
Labib, Sameh ..............................Disclosed no conflict of interest.
Laboret, Bretton .........................Disclosed no conflict of interest.
Labrune, Mélody C ......................Disclosed no conflict of interest.
Labus, Kevin ..............................Disclosed no conflict of interest.
Lachowski, Mary ........................Disclosed no conflict of interest.
Lackmann, Jan-Wilm ....................Disclosed no conflict of interest.
LaCour, Michael ........................Disclosed no conflict of interest.
Lacroix, Damien ........................Disclosed no conflict of interest.
Lad, Nimit K. ............................Disclosed no conflict of interest.
Ladd, Amy ..................................Disclosed no conflict of interest.
Laende, Elise ..............................Disclosed no conflict of interest.
Lafage, Renaud ...........................Disclosed no conflict of interest.
Lafage, Virginie ........................Disclosed no conflict of interest.
Laforest, Lorielle .......................Disclosed no conflict of interest.
Lai, Alon ....................................Disclosed no conflict of interest.
Lai, Carolyn ..............................Disclosed no conflict of interest.
Lai, Gracia V. ............................3A: THINK Surgical.
Lai, Juntong ..............................Disclosed no conflict of interest.
Laine, Jennifer C. ......................8: JPOSNA; 9: POSNA, CORTICES, IPSG.
Laird, Patrick ............................Disclosed no conflict of interest.
Lais, Paul .................................Disclosed no conflict of interest.
Laiwalla, Rahim ........................Disclosed no conflict of interest.
Lake, Spencer ............................8: Journal of Biomedical Engineering, Annals of Joint.
Lake, Spencer P. .......................Disclosed no conflict of interest.
Lal, Divakar ..............................Disclosed no conflict of interest.
Lalchandani, Gopal ....................Disclosed no conflict of interest.
Lalchandani, Keshav ....................Disclosed no conflict of interest.
Lam, Aaron ..............................Disclosed no conflict of interest.
Lam, Charles ............................Disclosed no conflict of interest.
Lam, Kenrick ..........................Disclosed no conflict of interest.
Lama, John ............................Disclosed no conflict of interest.
Lamb, Christopher .................Disclosed no conflict of interest.
Lambert, Bradley ....................5: Delfi Medical Innovations.
Lambeth, Emily P ..................Disclosed no conflict of interest.
Lambi, Alex ..........................Disclosed no conflict of interest.
Lamers, Dominique .................Disclosed no conflict of interest.
Lamia, Syeda .........................Disclosed no conflict of interest.
Lamlin, Lindsey .....................Disclosed no conflict of interest.
Lamoca, Mikkael Jozsef I ........Disclosed no conflict of interest.
Lamontagne, Mario ..................Disclosed no conflict of interest.
Lan, Xiaoyi ...........................Disclosed no conflict of interest.
Landgrave, Samantha .............Disclosed no conflict of interest.
Landgren, Marcus ...................Disclosed no conflict of interest.
Landi, Gabriel .......................Disclosed no conflict of interest.
Lane, Adam R .......................Disclosed no conflict of interest.
Lane, John ...........................Disclosed no conflict of interest.
Lang, Annemarie ...................Disclosed no conflict of interest.
Lang, Chao ...........................Disclosed no conflict of interest.
Langer, Henning .....................Disclosed no conflict of interest.
Langohr, G Daniel ..................Disclosed no conflict of interest.
Langvardt, Tanner .................Disclosed no conflict of interest.
Lanman, Todd .......................Disclosed no conflict of interest.
Lanois, Corey .......................Disclosed no conflict of interest.
Lansdown, Drew ....................5: Vericel, Inc. and AlloSource.
Lanske, Beate .......................Disclosed no conflict of interest.
Lanting, Brent ......................3B: DePuy Synthes, Stryker, Smith and Nephew; 5: DePuy Synthes, Stryker.


Laperche, Jacob ......................Disclosed no conflict of interest.

Lapins, Elana R ..........................Disclosed no conflict of interest.

LaPorte, Dawn ..........................8: Journal of Hand Surgery.

LaPorte, Zachary ......................Disclosed no conflict of interest.

LaPrade, Robert ......................Disclosed no conflict of interest.

Larkin, Lisa M ..........................Disclosed no conflict of interest.

LaRochelle, Luke ..........................Disclosed no conflict of interest.

Larson, Evan ..........................Disclosed no conflict of interest.

Larson, Jordan ......................Disclosed no conflict of interest.

Lartey, Richard ..........................Disclosed no conflict of interest.

Lasdin, Christina F ......................Disclosed no conflict of interest.

Latt, Daniel L ..........................3B: Pargon 28, Inc.

Latt, Daniel L ..........................3B: Parqgon 28, Inc.

Latta, Loren ..........................Disclosed no conflict of interest.

Lattanza, Lisa ..........................Disclosed no conflict of interest.

Lattanza, Lisa L ..........................Disclosed no conflict of interest.

Lattanzi, Riccardo ......................Disclosed no conflict of interest.

Lau, Justin ..........................Disclosed no conflict of interest.

Lau, Justin H ..........................Disclosed no conflict of interest.

Lau, Yian Khai ..........................Disclosed no conflict of interest.

Laubach, Markus ..........................Disclosed no conflict of interest.

Laudanski, Annemarie ......................Disclosed no conflict of interest.

Laudanski, Annemarie F ......................Disclosed no conflict of interest.

Lauder, Alexander ......................Disclosed no conflict of interest.
Laudier, Damien ....................... Disclosed no conflict of interest.
Launey, Maximilien ......................... 3A: G.RAU Inc.
Laurencin, Cato .............................. Disclosed no conflict of interest.
Lautenshlager, Kurt .............................. Disclosed no conflict of interest.
Lauterbach, Luis .............................. Disclosed no conflict of interest.
Laux, Christoph .............................. Disclosed no conflict of interest.
Laux, Christoph J. .............................. Disclosed no conflict of interest.
Laux, Christoph J. .................................. Disclosed no conflict of interest.
LaValley, Michael .............................. Disclosed no conflict of interest.
Lavigne, Rob .............................. Disclosed no conflict of interest.
Law, Brian C. ............................................. 2: Stryker, DJ Orthopaedics; 4: Abbott, Amgen Co, Eli Lilly, Johnson & Johnson, Medtronic, Merck; 6: Zimmer, N/a; 8: Journal of Surgical Education; 9: AAOS, Wisconsin Orthopaedic Society, AOFAS.
Lawal, Ameerah .................................. Disclosed no conflict of interest.
Lawrence, Brandon .............................. Disclosed no conflict of interest.
Lawrence, Gulotta .............................. 1: Exactech, Smith & Nephew, Zimmer Biomet.
Lawrence, John T .................................. Disclosed no conflict of interest.
Lawrenz, Joshua .............................. Disclosed no conflict of interest.
Lawrie, Charles .................................. 1: Zimmer Biomet; 3B: Zimmer Biomet, Medtronic, Ignite Orthopaedics; 4: OPUM Technologies.
Layne, Jonny .................................. Disclosed no conflict of interest.
Laz, Peter .................................. Disclosed no conflict of interest.
Lazar, Ann A. .................................. Disclosed no conflict of interest.
Le Maitre, Christine .............................. Disclosed no conflict of interest.
Le, Anna .................................. Disclosed no conflict of interest.
Le, Anthony .................................. Disclosed no conflict of interest.
Le, Hai V. .................................. Disclosed no conflict of interest.
Le, Thanh .................................. Disclosed no conflict of interest.
Leach, J. Kent ........................... Disclosed no conflict of interest.


Leahy, Thomas P .......................... Disclosed no conflict of interest.

Leartprapun, Nichaluk ...................... Disclosed no conflict of interest.

Leary, Emily .................................. 7B: BMJ Journals; 8: JISAKOS, J of Knee Surgery.


Lebedeva, Aleksandra N ................... Disclosed no conflict of interest.

Lebsock, Kim .................................. Disclosed no conflict of interest.

Lecaj, Elsa ..................................... Disclosed no conflict of interest.

Ledoux, William .............................. Disclosed no conflict of interest.

Ledroit, Diane .................................. Disclosed no conflict of interest.

Lee, Ah-Young .............................. Disclosed no conflict of interest.

Lee, Amanda M .............................. Disclosed no conflict of interest.

Lee, Amy Y .................................. Disclosed no conflict of interest.

Lee, Andy J .................................. Disclosed no conflict of interest.

Lee, Austin .................................. Disclosed no conflict of interest.

Lee, Benjamin .............................. Disclosed no conflict of interest.

Lee, Beth ................................. Disclosed no conflict of interest.

Lee, Cadence .............................. Disclosed no conflict of interest.

Lee, Cassandra .............................. Disclosed no conflict of interest.
Lee, Chang
9: Membership Committee, ORS.

Lee, Chang Hun
Disclosed no conflict of interest.

Lee, Chien-Wei
Disclosed no conflict of interest.

Lee, Chika
Disclosed no conflict of interest.

Lee, Dong Yeon
Disclosed no conflict of interest.

Lee, Donghwan
Disclosed no conflict of interest.

Lee, Dong-Oh
Disclosed no conflict of interest.

Lee, Eng Hin
Disclosed no conflict of interest.

Lee, Eugene
Disclosed no conflict of interest.

Lee, Fei San
Disclosed no conflict of interest.

Lee, Francis Y.
Disclosed no conflict of interest.

Lee, Hong Kwon
Disclosed no conflict of interest.

Lee, Hwaran
Disclosed no conflict of interest.

Lee, Hyunho
Disclosed no conflict of interest.

Lee, Jin Hyuck
Disclosed no conflict of interest.

Lee, Jin Woo
Disclosed no conflict of interest.

Lee, Jinhyung
Disclosed no conflict of interest.

Lee, Jinkyu
Disclosed no conflict of interest.

Lee, Jonathan
Disclosed no conflict of interest.

Lee, Jonathan S.
Disclosed no conflict of interest.

Lee, Joon
9: CSRS.

Lee, Justin
Disclosed no conflict of interest.

Lee, Kevin
Disclosed no conflict of interest.

Lee, Kyungmi
Disclosed no conflict of interest.

Lee, Mark
1: Globus Medical; 2: Depuy Synthes; 3B: Depuy Synthes, Osteocentric; 4: Osteocentric; 9: AO Foundation.

Lee, Max
Disclosed no conflict of interest.

Lee, Michael
Disclosed no conflict of interest.
Lee, Michael S..................Disclosed no conflict of interest.
Lee, Michael S..................Disclosed no conflict of interest.
Lee, Min-Song ..................Disclosed no conflict of interest.
Lee, Min-Song ..................Disclosed no conflict of interest.
Lee, Nancy..........................Disclosed no conflict of interest.
Lee, Oscar KS..................Disclosed no conflict of interest.
Lee, Sang Yang..................Disclosed no conflict of interest.
Lee, Sang-Soo ..................Disclosed no conflict of interest.
Lee, Se-Hwan ..................Disclosed no conflict of interest.
Lee, Seunghwan ..................Disclosed no conflict of interest.
Lee, Seungyong ..................Disclosed no conflict of interest.
Lee, Siyoung ..................Disclosed no conflict of interest.
Lee, Soo Mi ..................Disclosed no conflict of interest.
Lee, Soonchul ..................Disclosed no conflict of interest.
Lee, Sung Jae ..................Disclosed no conflict of interest.
Lee, Sung-Jae ..................Disclosed no conflict of interest.
Lee, Sung-Jea ..................Disclosed no conflict of interest.
Lee, Sunhyung ..................Disclosed no conflict of interest.
Lee, Sunray ..................Disclosed no conflict of interest.
Lee, Thomas ..................Disclosed no conflict of interest.
Lee, Wayne ..................Disclosed no conflict of interest.
Lee, Whasil ..................Disclosed no conflict of interest.
Lee, Wonhee ..................Disclosed no conflict of interest.
Lee, Wonsae ..................Disclosed no conflict of interest.
Lee, Yeon Kyung ..................Disclosed no conflict of interest.
Lee, Yeon-Hee ..................Disclosed no conflict of interest.
Lee, Yeon-Kyung ..................Disclosed no conflict of interest.
Lee, Yong-soo ..................Disclosed no conflict of interest.
Lee, Young Ju ..................Disclosed no conflict of interest.
Lee, Youngjoo ..................Disclosed no conflict of interest.
Lee, Yuk Wa ......................Disclosed no conflict of interest.
Lee, Yunki ......................Disclosed no conflict of interest.
Lee, Yunsoo ......................Disclosed no conflict of interest.
Lee-Rey, Spencer M. ..........Disclosed no conflict of interest.
Leeson, Ella ......................Disclosed no conflict of interest.
Lefebvre, Veronique ..........Disclosed no conflict of interest.
Leguineche, Kelly ..............Disclosed no conflict of interest.
Lehenbauer, Corder ..........Disclosed no conflict of interest.
Lehenbauer, Corder E.........Disclosed no conflict of interest.
Lei, Anyi ......................Disclosed no conflict of interest.
Lei, Lei .........................Disclosed no conflict of interest.
Leifeld, Sarah ..................3A: Sarah Leifeld; 4: Sarah Leifeld.
Leifer, Valia ....................Disclosed no conflict of interest.
Leiferman, Ellen ...............Disclosed no conflict of interest.
Leiferman, Ellen M. ..........Disclosed no conflict of interest.
Lekkala, Sashank ..............Disclosed no conflict of interest.
Lemmon, Elisabeth .............Disclosed no conflict of interest.
Lemmon, Elisabeth A...........Disclosed no conflict of interest.
Lemons, Jack ...................Disclosed no conflict of interest.
Lemons, Wesley ................Disclosed no conflict of interest.
Lenhart, Rachel .................Disclosed no conflict of interest.
Lenigk, Sophia ..................Disclosed no conflict of interest.
Lents, Gordon ..................Disclosed no conflict of interest.
Lenz, Amy L ....................Disclosed no conflict of interest.
Lenz, Kristin ...................Disclosed no conflict of interest.
Lenz, Kristin L ..................Disclosed no conflict of interest.
Lenz, Kristin L. ................. Disclosed no conflict of interest.
Leonardi, Claudia .................. Disclosed no conflict of interest.
Leonhardt, Steven .................. 3A: Steven Leonhardt.
Leonhardt, Steven .................. 3A: DSM Biomedical.
Lepard, Jacob ...................... Disclosed no conflict of interest.
Lepley, Lindsey K. ................ Disclosed no conflict of interest.
Leporace, Gustavo ................. 4: Biocinética.
Les, Clifford M .................... Disclosed no conflict of interest.
Lesage, Raphaelle .................. Disclosed no conflict of interest.
Leshikar, Holly .................... Disclosed no conflict of interest.
Lesko, James ....................... 3A: DePuy Synthes, a Johnson & Johnson Company; 4: Johnson & Johnson.
Leslie, Michael P .................. Disclosed no conflict of interest.
Lesniak, Bryson ................... Disclosed no conflict of interest.
Lesniak, Bryson P .................. Disclosed no conflict of interest.
Lessard, Samantha ............... Disclosed no conflict of interest.
Lessmann, Nikolas ............... 3A: Stryker.
Lester, Samuel ..................... Disclosed no conflict of interest.
Leucht, Philipp .................... 3B: Ankasa Regenerative Therapeutics, Inc.
Leung, Victor ..................... Disclosed no conflict of interest.
LeVasseur, Clarissa .............. Disclosed no conflict of interest.
Leveau, Ambre ..................... Disclosed no conflict of interest.
Leversedge, Fraser ............... Disclosed no conflict of interest.
Leviäkangas, Aleksi ............. Disclosed no conflict of interest.
Levis, Hunter ..................... Disclosed no conflict of interest.
Levitt, Sarah ...................... Disclosed no conflict of interest.
Levitz, Craig ...................... Disclosed no conflict of interest.
Lewis, Christian ................. Disclosed no conflict of interest.
Lewis, Gregory ................... Disclosed no conflict of interest.
Lewis, Jamal S. ................... Disclosed no conflict of interest.
Lewis, Karl .................. Disclosed no conflict of interest.
Lewis, Rebecca ............... Disclosed no conflict of interest.
Lewis, Stephen ................ Disclosed no conflict of interest.
Lewis, Valerae O ............... Disclosed no conflict of interest.
Li, Angela ........................ Disclosed no conflict of interest.
Li, Baiyan ........................ Disclosed no conflict of interest.
Li, Bingyun ........................ Disclosed no conflict of interest.
Li, Brian .......................... Disclosed no conflict of interest.
Li, Dai .............................. Disclosed no conflict of interest.
Li, David ........................... Disclosed no conflict of interest.
Li, Debiao .......................... Disclosed no conflict of interest.
Li, Ding ............................ Disclosed no conflict of interest.
Li, Elaine ........................... Disclosed no conflict of interest.
Li, Erika ............................ Disclosed no conflict of interest.
Li, Gang ............................. Disclosed no conflict of interest.
Li, Grace ............................. Disclosed no conflict of interest.
Li, Grace K .......................... Disclosed no conflict of interest.
Li, Guoan ........................... 1: Stryker; 2: ZSFab.
Li, Haiyin .......................... Disclosed no conflict of interest.
Li, Hongshuai ...................... Disclosed no conflict of interest.
Li, Hui ............................... Disclosed no conflict of interest.
Li, Isabel ............................ Disclosed no conflict of interest.
Li, Jessica ........................... Disclosed no conflict of interest.
Li, Jian H ............................ Disclosed no conflict of interest.
Li, Jianyu ............................ Disclosed no conflict of interest.
Li, Jinpu .............................. Disclosed no conflict of interest.
Li, Jinyuan .......................... Disclosed no conflict of interest.
Li, Jun ................................. Disclosed no conflict of interest.
Li, Kevin ............................. Disclosed no conflict of interest.
Li, Kexin .............................. Disclosed no conflict of interest.
Li, La ........................................... Disclosed no conflict of interest.
Li, Li ........................................... Disclosed no conflict of interest.
Li, Ling ........................................ Disclosed no conflict of interest.
Li, Mei ........................................ Disclosed no conflict of interest.
Li, Mengnai ................................ Disclosed no conflict of interest.
Li, Min ........................................ Disclosed no conflict of interest.
Li, Pingyue .................................. Disclosed no conflict of interest.
Li, Qingdian .......................... Disclosed no conflict of interest.
Li, Schicheng .......................... Disclosed no conflict of interest.
Li, Steve ...................................... Disclosed no conflict of interest.
Li, Steve S ................................. Disclosed no conflict of interest.
Li, Tai Lai .................................... Disclosed no conflict of interest.
Li, Thomas .................................. Disclosed no conflict of interest.
Li, Tiandao .................................. Disclosed no conflict of interest.
Li, Wan-Ju .................................. Disclosed no conflict of interest.
Li, Wenhui .................................. Disclosed no conflict of interest.
Li, Xiaodong ................................ 3A: Amgen; 4: Amgen.
Li, Xiaojuan ................................ Disclosed no conflict of interest.
Li, Xinshan .................................. Disclosed no conflict of interest.
Li, Xuan ...................................... Disclosed no conflict of interest.
Li, Xudong (Joshua) .................. Disclosed no conflict of interest.
Li, Xuehua .................................. Disclosed no conflict of interest.
Li, Xuejun .................................. Disclosed no conflict of interest.
Li, Xueping ................................ Disclosed no conflict of interest.
Li, Yexin ...................................... Disclosed no conflict of interest.
Li, Yong ...................................... Disclosed no conflict of interest.
Li, Yonggang .............................. Disclosed no conflict of interest.
Li, Yuanhang ................................ Disclosed no conflict of interest.
Li, Yuanke .................................. Disclosed no conflict of interest.
Li, Yucong .................................. Disclosed no conflict of interest.
Li, Yun ........................................... Disclosed no conflict of interest.
Li, Zhao...................................... Disclosed no conflict of interest.
Li, Zhen...................................... Disclosed no conflict of interest.
Li, Zhizhuo................................. Disclosed no conflict of interest.
Li, Zizhao .................................... Disclosed no conflict of interest.
Li, Zong-Ming .............................. Disclosed no conflict of interest.
Liang, Haixiang ............................ Disclosed no conflict of interest.
Liang, Liang ................................ Disclosed no conflict of interest.
Liang, Tongzhou ............................ Disclosed no conflict of interest.
Liao, Aileen .................................. Disclosed no conflict of interest.
Liao, Lele ...................................... Disclosed no conflict of interest.
LiArno, Sally ................................. Disclosed no conflict of interest.
Liau, Zi Qiang Glen ......................... Disclosed no conflict of interest.
Lichtig, Asher ............................... Disclosed no conflict of interest.
Lidgren, Lars ............................... 4: LL is a cofounder of Moroxite F AB and owns stocks in Moroxite F AB; 9: LL is a board member of Orthocell Australia.
Lieber, Richard ............................ Disclosed no conflict of interest.
Lieber, Richard L ................................ Disclosed no conflict of interest.
Lieberman, Jay .............................. Disclosed no conflict of interest.
Liebermann, Kevin ......................... Disclosed no conflict of interest.
Liebsch, Christian ........................ Disclosed no conflict of interest.
Liffrig, Jack ...........................................Disclosed no conflict of interest.
Li-Jessen, Nicole Y.K. ..............................Disclosed no conflict of interest.
Lillquist, Thomas J .................................Disclosed no conflict of interest.
Lillyman, David .................................Disclosed no conflict of interest.
Lim, HeeChang ..................................................Disclosed no conflict of interest.
Lim, Jun Wei ..................................................Disclosed no conflict of interest.
Lim, Perry L ..................................................Disclosed no conflict of interest.
Lim, Tae Kang ..................................................Disclosed no conflict of interest.
Lima, Suzan X ..................................................Disclosed no conflict of interest.
Liman, Suryamin .................................Disclosed no conflict of interest.
Limaye, Apurva ..................................................Disclosed no conflict of interest.
Limberg, Afton ..................................................Disclosed no conflict of interest.
Limberg, Afton K ............................Disclosed no conflict of interest.
Lin, Albert .....................................3B: Stryker, Arthrex.
Lin, Albert .....................................3B: Arthrex and Wright Medical.
Lin, Alisia ...........................................Disclosed no conflict of interest.
Lin, Allen H ...........................................Disclosed no conflict of interest.
Lin, Angela ..................................4: Restor3D.
Lin, Carol ..........................................................2: DePuy, Globus; 3B: Globus.
Lin, Carol ..........................................................2: DePuy; 3B: Globus; 5: Stryker.
Lin, Christopher Q ............................Disclosed no conflict of interest.
Lin, Chun-Yu ...........................................Disclosed no conflict of interest.
Lin, David Y ...........................................3B: Ossio.
Lin, Eric ..................................................Disclosed no conflict of interest.
Lin, Feng-Chang ..................................................Disclosed no conflict of interest.
Lin, Hang ..................................................Disclosed no conflict of interest.
Lin, Jane ..................................................Disclosed no conflict of interest.
Lin, Lily ...........................................Disclosed no conflict of interest.
Lin, Minmin ............................. Disclosed no conflict of interest.
Lin, Sien .................................. Disclosed no conflict of interest.
Lin, Sung-Yen ............................. Disclosed no conflict of interest.
Lin, William .............................. Disclosed no conflict of interest.
Lin, Wujian .............................. Disclosed no conflict of interest.
Lin, Xi ..................................... Disclosed no conflict of interest.
Lin, Yang ................................. Disclosed no conflict of interest.
Lin, Ye ..................................... Disclosed no conflict of interest.
Lin, Yi ...................................... Disclosed no conflict of interest.
Lin, Yi-Shan ................................ Disclosed no conflict of interest.
Lin, Yi-Wen ............................... Disclosed no conflict of interest.
Lin, Yu Lieh ............................... Disclosed no conflict of interest.
Lin, Yuan .................................. Disclosed no conflict of interest.
Lin, Yuejun ................................ Disclosed no conflict of interest.
Lin, Yu-Yang ............................... Disclosed no conflict of interest.
Linares, Isabelle ......................... Disclosed no conflict of interest.
Lind, Dane RG ............................ Disclosed no conflict of interest.
Linde, Monica ............................ Disclosed no conflict of interest.
Linde, Monica A. ........................ Disclosed no conflict of interest.
Lindeman, Robert ......................... Disclosed no conflict of interest.
Linden, Gabriel ........................... Disclosed no conflict of interest.
Lindsey, Ronald ......................... 8: Editor JBJS.
Ling, Kenny ................................ Disclosed no conflict of interest.
Link, Kaitlyn ................................ Disclosed no conflict of interest.
Linscheid, Laura ................................ Disclosed no conflict of interest.
Lintz, Marianne .......................... Disclosed no conflict of interest.
Liou, Benjamin ........................... Disclosed no conflict of interest.
Lipkovich, Heather ....................... Disclosed no conflict of interest.
Lipman, Joseph ................................ 1: Exactech, Lima Corporate, Mathys Ortho, Ortho Development, Wishbone; 3C: Extremity Medical; 4: Evolve Ortho.

Lipman, Joseph J................................ 1: Exactech, LimaCorp, Mathys, Ortho Development, Wishbone Medical; 3C: Extremity Medical; 4: Evolve Ortho.

List, Renate ........................................ Disclosed no conflict of interest.

Lische, Caroline .................................... Disclosed no conflict of interest.

Lisiewski, Lauren .................................. Disclosed no conflict of interest.

Lisonbee, Rich ..................................... Disclosed no conflict of interest.

Lisonbee, Rich J ................................... Disclosed no conflict of interest.

List, Alyssia J ...................................... Disclosed no conflict of interest.


Little, Milton ...................................... 3B: Globus Medical, DePuy Synthes, Restor3D.

List, Alyssia J ...................................... Disclosed no conflict of interest.

Littlefield, Connor .............................. Disclosed no conflict of interest.

Littlepage, Laurie E .............................. Disclosed no conflict of interest.

Liu, Andy ........................................... Disclosed no conflict of interest.

Liu, Bei ............................................. Disclosed no conflict of interest.

Liu, Betty .......................................... Disclosed no conflict of interest.

Liu, Boyuan ....................................... Disclosed no conflict of interest.

Liu, Chao ........................................... Disclosed no conflict of interest.

Liu, Chaoran ...................................... Disclosed no conflict of interest.

Liu, Cheryl ......................................... 3A: Stryker.

Liu, Chongshan .................................... Disclosed no conflict of interest.

Liu, Chuanju ...................................... Disclosed no conflict of interest.

Liu, Chuan-ju ..................................... Disclosed no conflict of interest.

Liu, Cyong-yue ................................... Disclosed no conflict of interest.

Liu, Hongzhi ...................................... Disclosed no conflict of interest.

Liu, Huanhuan .................................... Disclosed no conflict of interest.

Liu, Huazhi ....................................... Disclosed no conflict of interest.
Liu, Jennifer .........................*Disclosed no conflict of interest.*
Liu, jiatong ..........................*Disclosed no conflict of interest.*
Liu, Jiayong ..........................*Disclosed no conflict of interest.*
Liu, Jin .................................*Disclosed no conflict of interest.*
Liu, Jingshu ...........................*Disclosed no conflict of interest.*
Liu, Joseph N ..........................*Disclosed no conflict of interest.*
Liu, Kevin C. ..........................*Disclosed no conflict of interest.*
Liu, Mengyao ..........................*Disclosed no conflict of interest.*
Liu, Nancy Q ................................*Disclosed no conflict of interest.*
Liu, Nancy Q ................................*Disclosed no conflict of interest.*
Liu, Qian .................................*Disclosed no conflict of interest.*
Liu, Shuwan ..............................*Disclosed no conflict of interest.*
Liu, Sihan ................................*Disclosed no conflict of interest.*
Liu, Songyun ................................*Disclosed no conflict of interest.*
Liu, Steven ..............................*Disclosed no conflict of interest.*
Liu, Steven H ..........................*Disclosed no conflict of interest.*
Liu, Steven H ..........................*Disclosed no conflict of interest.*
Liu, Tianze ..............................*Disclosed no conflict of interest.*
Liu, Wei ..................................*Disclosed no conflict of interest.*
Liu, Weiyang ............................*Disclosed no conflict of interest.*
Liu, X. Sherry ..........................*Disclosed no conflict of interest.*
Liu, Xiangyi (Cheryl) ....................3A: Stryker.
Liu, Xifeng ..............................*Disclosed no conflict of interest.*
Liu, Xing .................................*Disclosed no conflict of interest.*
Liu, Xue-Cheng ..........................*Disclosed no conflict of interest.*
Liu, Xuhui ...............................*Disclosed no conflict of interest.*
Liu, Yajun ...............................*Disclosed no conflict of interest.*
Liu, Yakui ...............................*Disclosed no conflict of interest.*
Liu, Yang ...............................*Disclosed no conflict of interest.*
Liu, Yanting .............................*Disclosed no conflict of interest.*
Liu, Yibin ..................................Disclosed no conflict of interest.
Liu, Yin ..................................Disclosed no conflict of interest.
Liu, Yu ..................................Disclosed no conflict of interest.
Liu, Yuchen ..........................Disclosed no conflict of interest.
Liu, Yue ..................................Disclosed no conflict of interest.
Liu, Zhaoyang ......................Disclosed no conflict of interest.
Liu-Bryan, Ru ..........................Disclosed no conflict of interest.
Liukkonen, Mimmi K ..........Disclosed no conflict of interest.
Lizarraga, Miguel ..................Disclosed no conflict of interest.
Ljunggren, Katrin ..................3A: Full time employee at Bactiguard.
Lloyd, David G ..................Disclosed no conflict of interest.
Lloyd, Reese ..................Disclosed no conflict of interest.
Lo, James ..........................Disclosed no conflict of interest.
Locke, Conor ..................Disclosed no conflict of interest.
Loebel, Claudia ..................Disclosed no conflict of interest.
Loeffler, Henrike .................Disclosed no conflict of interest.
Loftis, Christopher .............3B: DePuy Synthes.
Logan, Scott ..................3A: Paid Employee of Stryker; 4: Stock or Stock Options.
Loges, Zain ..................Disclosed no conflict of interest.
Loges, Zain A ..................Disclosed no conflict of interest.
Lohse, Keith R ..................Disclosed no conflict of interest.
Loiselle, Alayna .................Disclosed no conflict of interest.
Lokanadham, Jyothi ............Disclosed no conflict of interest.
Lomeli, Nolan ..................Disclosed no conflict of interest.
Long, Rachel ..................Disclosed no conflict of interest.
Long, William ..................3C: DePuy, Orthodevelopment, Microport, TJO, Globus.
Longaker, Michael ...............Disclosed no conflict of interest.

Loof, Ellen ............................... Disclosed no conflict of interest.

Loots, Gabriela .......................... Disclosed no conflict of interest.

Loots, Gabriela G .......................... Disclosed no conflict of interest.

Lopez, Amber ............................ Disclosed no conflict of interest.

Lopez, Cesar ............................. Disclosed no conflict of interest.

Lopez, Edgar ............................. Disclosed no conflict of interest.

Lopez, Serafina G. ....................... Disclosed no conflict of interest.

Lopez, Shawna ............................ Disclosed no conflict of interest.

Lora, Marcos ............................. Disclosed no conflict of interest.

Lorenz, Charlotte ........................ Disclosed no conflict of interest.

Lorenzo, Joseph .......................... Disclosed no conflict of interest.

Lories, Rik ............................... Disclosed no conflict of interest.

Lories, Rik J ............................. Disclosed no conflict of interest.

Lorite, Gabriela S. ....................... Disclosed no conflict of interest.

Losina, Elena ............................ 8: JBJS; 9: OARSI.

Loss, Jeremy G .......................... 1: Cleveland Clinic, simVITRO.

LoTurco, Holly ......................... Disclosed no conflict of interest.

Lotz, Jeffrey ............................. Disclosed no conflict of interest.

Lotz, Martin ............................. Disclosed no conflict of interest.

Lotz, Martin K ........................... Disclosed no conflict of interest.

Louie, Elizabeth A. ..................... Disclosed no conflict of interest.

Louwagie, Thomas ...................... Disclosed no conflict of interest.

Love, Zelda ............................. Disclosed no conflict of interest.

Lowe, Breanna ........................... Disclosed no conflict of interest.

Lowe, Jason .............................. Disclosed no conflict of interest.

Lownie, Theodore JR ................... Disclosed no conflict of interest.

Loya, Amy ............................... Disclosed no conflict of interest.
Loya, Amy K ......................... disclosed no conflict of interest.
Loyst, Rachel A ....................... disclosed no conflict of interest.
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Loyst, Rachel Anna .................. disclosed no conflict of interest.
Lozito, Thomas ....................... disclosed no conflict of interest.
Lu, Aiping ................................ disclosed no conflict of interest.
Lu, Cheng-Chang ..................... disclosed no conflict of interest.
Lu, Haojie ............................. disclosed no conflict of interest.
Lu, Hongbin ........................... disclosed no conflict of interest.
Lu, Jiawei .............................. disclosed no conflict of interest.
Lu, Jinxiu ................................ disclosed no conflict of interest.
Lu, Kira ................................... disclosed no conflict of interest.
Lu, Lichun .............................. disclosed no conflict of interest.
Lu, Qiuhe ................................ disclosed no conflict of interest.
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Lu, Siqi ...................................... disclosed no conflict of interest.
Lu, Stevin ................................ disclosed no conflict of interest.
Lu, Theresa ............................. disclosed no conflict of interest.
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Lu, X. Lucas ............................. disclosed no conflict of interest.
Lu, X. Lucas ............................. disclosed no conflict of interest.
Lu, Xiaoya J ............................. disclosed no conflict of interest.
Lu, Xuan .................................. disclosed no conflict of interest.
Lu, Yangfan ............................. disclosed no conflict of interest.
Lucaciu, Andreea ....................... disclosed no conflict of interest.
Lucas, Margaret ....................... disclosed no conflict of interest.
Lucasti, Christopher .................. disclosed no conflict of interest.
Ludewig, Paula ....................... disclosed no conflict of interest.
Ludwig, Elizabeth .................... disclosed no conflict of interest.
Lui, Elaine .............................. disclosed no conflict of interest.
Lui, Hayman Disclosed no conflict of interest.
Lui, Pauline Po Yee Disclosed no conflict of interest.
Lui, Xuhui Disclosed no conflict of interest.
Lujan, Trevor Disclosed no conflict of interest.
Lujan, Trevor J Disclosed no conflict of interest.
Lukas, Kenneth Disclosed no conflict of interest.
Luke, Caitlin Disclosed no conflict of interest.
Lukosevicius, Saulius Disclosed no conflict of interest.
Lukpat, Samantha N. Disclosed no conflict of interest.
Lum, Zachary 8: JAOAO; 9: American Association of Hip and Knee Surgeons.
Lundberg, Hannah J Disclosed no conflict of interest.
Lung, Brandon Disclosed no conflict of interest.
Lunkes, Douglas Lunkes Disclosed no conflict of interest.
Luo, Claire Disclosed no conflict of interest.
Luo, Emily Disclosed no conflict of interest.
Luo, Xuan Disclosed no conflict of interest.
Luo, Ying Disclosed no conflict of interest.
Lurie, Benjamin Disclosed no conflict of interest.
Lutas, Maria Disclosed no conflict of interest.
Lutnick, Ellen Disclosed no conflict of interest.
Lutter, Christoph Disclosed no conflict of interest.
Luzzi, Andrew Disclosed no conflict of interest.
Lyden, Elizabeth Disclosed no conflict of interest.
Lydon, Katherine Disclosed no conflict of interest.
Lyman, Stephen Disclosed no conflict of interest.
Lynch, Daniel Disclosed no conflict of interest.
Lyons, Joseph Disclosed no conflict of interest.
M.Murphy, Ciara Disclosed no conflict of interest.
Ma, Benjamin 5: Zimmer, CONMED, Stryker.
Ma, Boyuan.........................Disclosed no conflict of interest.
Ma, Chi........................................Disclosed no conflict of interest.
Ma, Chris H................................Disclosed no conflict of interest.
Ma, Hilda Zhiyao.......................Disclosed no conflict of interest.
Ma, Hong ........................................Disclosed no conflict of interest.
Ma, Jinjin........................................Disclosed no conflict of interest.
Ma, Junxuan.................................Disclosed no conflict of interest.
Ma, Nuoying..............................Disclosed no conflict of interest.
Ma, Savanna..................................Disclosed no conflict of interest.
Ma, Shen-Ying (Richard)..........5: Cartiheal, Moximed, Novocart; 8: JBJS; 9: AAOS, AOSSM, AAONA, RRIPG.
Ma, Shen-Ying (Richard)..........5: Cartiheal, Moximed; 8: J of BJS - American; 9: AOA, AOSSM, ORS, RRIPG.
Ma, Xinyi........................................Disclosed no conflict of interest.
Ma, Xue........................................Disclosed no conflict of interest.
Ma, Yajun....................................3B: Kolon TissueGene, Inc, Histogen Inc.
Maag, Chase...............................3A: DePuy Synhes; 4: DePuy Synthes.
Maag, Chase...............................3A: DePuy Synthes; 4: Johnson & Johnson.
Maak, Travis G............................3C: Arthrex.
Maas, Kyle.....................................Disclosed no conflict of interest.
Mabrouk, Lhoussein..................3A: Exactech.
MacAulay, Alexander...............Disclosed no conflict of interest.
MacDonald, Daniel....................Disclosed no conflict of interest.
MacDonald, Daniel W................Disclosed no conflict of interest.
Mace, Annsley..........................Disclosed no conflict of interest.
Maceda, Matthew......................Disclosed no conflict of interest.
MacFarlane, Erin M..................Disclosed no conflict of interest.
Machireddy, Meghana..............Disclosed no conflict of interest.
MacLean, Paul.........................Disclosed no conflict of interest.
MacLeod, Alisdair 3A: Orthoscape Ltd.

MacNeill, Stephen Disclosed no conflict of interest.

MacNeill, Stephen M Disclosed no conflict of interest.

Madeci, Erdogan Disclosed no conflict of interest.

Madenci, Erdogan Disclosed no conflict of interest.

Madero, Sarah Disclosed no conflict of interest.

Madhavarapu, Shreya Disclosed no conflict of interest.

Madi, Rashad Disclosed no conflict of interest.

Madry, Henning Disclosed no conflict of interest.

Madsen, Myke Disclosed no conflict of interest.

Mae, Tatsuo Disclosed no conflict of interest.

Maeda, Eijiro Disclosed no conflict of interest.

Maeda, Keisuke Disclosed no conflict of interest.

Maeda, Shingo Disclosed no conflict of interest.

Maeda, Takeshi Disclosed no conflict of interest.

Maeda, Takuma Disclosed no conflict of interest.

Maeda, Tatsunori Disclosed no conflict of interest.

Maehlich, Daniela Disclosed no conflict of interest.

Maekawa, Hirotugu Disclosed no conflict of interest.

Maekawa, Ryo Disclosed no conflict of interest.

Maemichi, Toshihiro Disclosed no conflict of interest.

Maerz, Tristan Disclosed no conflict of interest.

Maes, Lauranne Disclosed no conflict of interest.

Magallanes, Jenny Disclosed no conflict of interest.

Magan, Ahmed Disclosed no conflict of interest.

Magan, Ahmed A Disclosed no conflict of interest.

Magruder, Matthew Disclosed no conflict of interest.

Mah, Eugene Disclosed no conflict of interest.

Mahakkanukrauh, Pasuk Disclosed no conflict of interest.
Mahatme, Ronak Disclosed no conflict of interest.
Mahatme, Ronak J. Disclosed no conflict of interest.
Mahboobin, Arash B. Disclosed no conflict of interest.
Maher, Suzanne 3A: Agelity Biomechanics Corp.
Maheshwari, Aditya Disclosed no conflict of interest.
Maheshwari, Aditya V. Disclosed no conflict of interest.
Maheshwari, Krish Disclosed no conflict of interest.
Mahmoudian, Armaghan Disclosed no conflict of interest.
Mahmud, Hazimah Disclosed no conflict of interest.
Mahoney, Kyle Disclosed no conflict of interest.
Mahoney, Will Disclosed no conflict of interest.
Mahtani, Nikhil Disclosed no conflict of interest.
Mai, Luyen 3A: Acumed.
Maiman, Dennis Disclosed no conflict of interest.
Main, Russell Disclosed no conflict of interest.
Majety, Saveda K. Disclosed no conflict of interest.
Majidi, Rabeeh 4: OrthoKinetic Track LLC.
Majima, Tokifumi Disclosed no conflict of interest.
Major Extremity Trauma Research Consortium, METRC Disclosed no conflict of interest.
Majumdar, Sharmila 5: GE Healthcare.
Makarcyzk, Meagan Disclosed no conflict of interest.
Makela, Janne Disclosed no conflict of interest.
Mäkelä, Janne T. A. Disclosed no conflict of interest.
Mäkelä, Janne T.A. Disclosed no conflict of interest.
Maki, Masahiro Disclosed no conflict of interest.
Malakoutian, Masoud Disclosed no conflict of interest.
Malakoutikhah, Hamed Disclosed no conflict of interest.
Malan, Augustus Disclosed no conflict of interest.
Malan, Augustus G Disclosed no conflict of interest.
Maldonado, Celina C Disclosed no conflict of interest.
Maleitzke, Tazio .................. *Disclosed no conflict of interest.*

Malfait, Anne-Marie ................. 3B: 23&Me, Orion; 8: Co-editor Osteoarthritis and Cartilage.

Malfait, Anne-Marie ................. 3B: consulted for 23andMe, Orion.

Malfait, Anne-Marie ................. 3B: 23AndMe and Orion.

Malfait, Anne-Marie .................. 3C: Orion, 23andMe.

Malfait, Fransiska .................. *Disclosed no conflict of interest.*

Malfait, Anne-Marie .................. 3B: 23AndMe.

Malfait, Anne-Marie .................. 3B: consulted for 23andMe, Orion.

Malfait, Anne-Marie .................. 3B: 23AndMe and Orion.

Malhotra, Gautam .................. *Disclosed no conflict of interest.*

Malhotra, Neil R .................. *Disclosed no conflict of interest.*

Malick, Fawaz .................. *Disclosed no conflict of interest.*

Malige, Ajith .................. 6: B Braun, Arthrex; 8: Arthroscopy, BMC Musculoskeletal Disorders; 9: AOA, AOSSM.

Malik, Aden N .................. *Disclosed no conflict of interest.*


Malloy, Philip .................. *Disclosed no conflict of interest.*

Maloney, Derek .................. *Disclosed no conflict of interest.*

Maloney, William .................. *Disclosed no conflict of interest.*

Maloy, Gwyneth .................. *Disclosed no conflict of interest.*

Maloy, Gwyneth C .................. *Disclosed no conflict of interest.*

Mamdani, Noorain .................. *Disclosed no conflict of interest.*

Mameri, Enzo .................. *Disclosed no conflict of interest.*

Mamidwar, Anjali Rajesh ........... *Disclosed no conflict of interest.*

Manabe, Hiroaki .................. *Disclosed no conflict of interest.*

Manafzadeh, Armita ........... *Disclosed no conflict of interest.*

Manatt, Shaun .................. *Disclosed no conflict of interest.*

Mancini, Lucia M .................. *Disclosed no conflict of interest.*

Mancino, Chiara .................. *Disclosed no conflict of interest.*

Mancino, Fabio .................. *Disclosed no conflict of interest.*

Mancuso, Carol A. ............ *Disclosed no conflict of interest.*
Mane, Amit ...........................................3A: DePuy Synthes; 4: DePuy Synthes.
Mane, Amit ...........................................3A: DePuy Synthes; 4: Johnson & Johnson.
Maniar, Drishti .....................................Disclosed no conflict of interest.
Maniglio, Devid ..................................Disclosed no conflict of interest.
Mann, Kenneth ..................................Disclosed no conflict of interest.
Mann, Kenneth A ................................Disclosed no conflict of interest.
Mann, Tania ......................................Disclosed no conflict of interest.
Mannen, Erin ......................................8: Journal of Biomechanics.
Mannen, Erin M ....................................8: Journal of Biomechanics.
Mann, Kenneth A ................................Disclosed no conflict of interest.
Mann, Kenneth A ................................Disclosed no conflict of interest.
Mann, Tania ......................................Disclosed no conflict of interest.
Mannen, Erin ......................................8: Journal of Biomechanics.
Mannen, Erin M ....................................8: Journal of Biomechanics.
Mann, Kenneth A ................................Disclosed no conflict of interest.
Mann, Kenneth A ................................Disclosed no conflict of interest.
Mann, Tania ......................................Disclosed no conflict of interest.
Mannen, Erin ......................................8: Journal of Biomechanics.
Marder, Ryan .......................... Disclosed no conflict of interest.
Märdian, Sven ........................ Disclosed no conflict of interest.
Maregne, Michael ......................... Disclosed no conflict of interest.
Margolis, David S ......................... 4: Agenus, Moderna, Pfizer, Johnson & Johnson, Mink Therapeutics.
Margot, Neefjes .......................... Disclosed no conflict of interest.
Mariani, Francesca ....................... Disclosed no conflict of interest.
Marie, Chloe ............................. Disclosed no conflict of interest.
Marini, Joan C ........................... Disclosed no conflict of interest.
Marinier, Michael ....................... Disclosed no conflict of interest.
Marinier, Michael C ..................... Disclosed no conflict of interest.
Marius, Choiselle ........................ Disclosed no conflict of interest.
Markert, Bernd ........................... Disclosed no conflict of interest.
Markeviciute, Vetra ....................... Disclosed no conflict of interest.
Markova, Dessislava ..................... Disclosed no conflict of interest.
Markovics, Adrienn ..................... Disclosed no conflict of interest.
Marks, Jaison ........................... Disclosed no conflict of interest.
Marks, Jennifer ......................... Disclosed no conflict of interest.
Marler, Dylan ........................... Disclosed no conflict of interest.
Marmor, Schelomo ....................... Disclosed no conflict of interest.
Marques Garcia, Joao Pedro ........ Disclosed no conflict of interest.
Marquez, Josue .......................... Disclosed no conflict of interest.
Marquez, Tyce C ......................... Disclosed no conflict of interest.
Marra, Kacey G .......................... Disclosed no conflict of interest.
Marras, Daniele .......................... Disclosed no conflict of interest.
Marras, William ....................... Disclosed no conflict of interest.
Marrero, Luis .......................... Disclosed no conflict of interest.
Marshall, Alexandra .................. Disclosed no conflict of interest.
Marshall, Brandon .................... Disclosed no conflict of interest.
Marshall, Samuel ..................... Disclosed no conflict of interest.
Marson, Alanna ........................ Disclosed no conflict of interest.
Martel, Anne .......................... Disclosed no conflict of interest.
Martin, Anna .......................... Disclosed no conflict of interest.
Martin, Audrey ........................ Disclosed no conflict of interest.
Martin, Davis .......................... Disclosed no conflict of interest.
Martin, Elisabeth M .................. Disclosed no conflict of interest.
Martin, James ......................... 3A: Zoan Nuáil Teoranta.
Martin, James A ....................... Disclosed no conflict of interest.
Martin, John ........................... Disclosed no conflict of interest.
Martin, John T ......................... Disclosed no conflict of interest.
Martin, Kelsey ......................... Disclosed no conflict of interest.
Martin, Robert ....................... 5: Paragon 28, Inc.
Martin, Rylan .......................... 1: Tactile Orthopaedics; 4: Tactile Orthopaedics.
Martin, Samantha .................... Disclosed no conflict of interest.
Martin, Scott ......................... Disclosed no conflict of interest.
Martin, Scott D ........................ Disclosed no conflict of interest.
Martin, Scott D. ...................... Disclosed no conflict of interest.
Martin, Stephen ...................... Disclosed no conflict of interest.
Martindale, Evan ..................... Disclosed no conflict of interest.
Martindale, Moriah ................... Disclosed no conflict of interest.
Martineau, Paul ....................... Disclosed no conflict of interest.
Martinez, Alexandria R .............. Disclosed no conflict of interest.
Martinez-Hernandez, Roberto C ... Disclosed no conflict of interest.
Martino, Robert Disclosed no conflict of interest.

Marty, Eric Disclosed no conflict of interest.

Maru, Marcia M Disclosed no conflict of interest.

Maruo, Akihiro Disclosed no conflict of interest.

Maruyama, Masahiro Disclosed no conflict of interest.

Maruyama, Moritaka Disclosed no conflict of interest.

Marvin, Jason 9: ORS Public Outreach Committee.

Marvin, Jason C 9: ORS.

Marx, Luke Disclosed no conflict of interest.

Marx, Luke B Disclosed no conflict of interest.

Mary, Archer Disclosed no conflict of interest.

Marzouca, Anthony Disclosed no conflict of interest.

Masada, Kendall Disclosed no conflict of interest.

Masakzu, Ishikawa Disclosed no conflict of interest.

Mashni, Sam Disclosed no conflict of interest.

Mashru, Rakesh Disclosed no conflict of interest.

Maslivec, Amy Disclosed no conflict of interest.

Mason, Deborah 8: serve on editorial board; 9: BORS BOD.

Massaad, Elie Disclosed no conflict of interest.

Massey, Patrick Disclosed no conflict of interest.

Massie, Christine Disclosed no conflict of interest.

Mastrokostas, Paul G Disclosed no conflict of interest.

Masturov, Yehuda Disclosed no conflict of interest.

Masubuchi, Masaaki Disclosed no conflict of interest.

Masuda, Koichi 3B: Anges Inc; 5: Anges Inc, Kolon Tissuegene, Inc; 6: Histogen Inc, Darnatein; 8: JOR Spine, JOR.


Masuda, Yusuke Disclosed no conflict of interest.
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<td>Mathieu, Colleen</td>
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Matsuyama, Yuki .................. *Disclosed no conflict of interest.*
Mattes, Zachary F .................. *Disclosed no conflict of interest.*
Matthew, Robert P .................. *Disclosed no conflict of interest.*
Matthews, Melia .................. *Disclosed no conflict of interest.*
Mattias, Julia .................. *Disclosed no conflict of interest.*
Mattikalli, Simran N .................. *Disclosed no conflict of interest.*
Mattson, Nicole .................. *3B: Stryker.*
Matusewski, Paul .................. *Disclosed no conflict of interest.*
Matyas, John .................. *Disclosed no conflict of interest.*
Mauck, Robert .................. *4: Mechanotherapeutics; 5: 4Web Medical Inc.; 8: JOR Spine.*
Mauck, Robert .................. *4: Mechano-therapeutics; 5: 4WEB medical; 8: JOR Spine.*
Mauck, Robert .................. *4: Mechano-Therapeutics; 5: 4WEB Medical; 6: DiscGenics; 8: Coeditor of JOR Spine.*
Mauck, Robert .................. *4: Mechano Therapeutics; 5: 4WEB Medical; 8: JOR Spine.*
Mauck, Robert .................. *3A: 4Web Medical, Mechanotherapeutics; 8: JOR Spine.*
Mauck, Robert .................. *4: Mechanotherapeutics; 5: 4WEB Medical; 8: Co-Editor of JOR Spine.*
Mauck, Robert .................. *8: JOR Spine.*
Mauck, Robert .................. *6: Mechanotherapeutics; 8: JORSpine.*
Mauck, Robert .................. *4: Mechanotherapeutics; 5: 4Web Medical; 8: JORSpine.*
Mauck, Robert .................. *5: Mechano Therapeutics LLC; 4 Web Medical; 8: JOR Spine.*
Mauck, Robert .................. *4: Mechano-Therapeutics, LLC; 6: 4Web Medical; 8: JOR Spine editor.*
Mauck, Robert L .................. *4: Mechano-therapeutics; 5: 4WEB Medical; 8: JOR Spine.*
Mauck, Robert L .................. *4: Mechanotherapeutics; 5: 4WEB Medical; 8: Co-Editor of JOR Spine.*
Mauck, Robert L .................. *8: JOR Spine, Mechanotherapeutics, 4Web Medical.*
Mauck, Robert L .................. *4: Mechano-therapeutics; 5: 4WEB Medical; 8: JOR Spine.*
Mauro, Craig .................. *1: Arthrex, Inc; 3B: Arthrex, Inc.*
Maus, Ilka ..............................Disclosed no conflict of interest.

Mawatari, Masaaki .....................Disclosed no conflict of interest.

Mayán, María D ........................Disclosed no conflict of interest.

Mayer, Lucas ..........................Disclosed no conflict of interest.

Mayer, Sarah ..........................3A: Medical Device Development.

Mayfield, Cory ........................Disclosed no conflict of interest.

Mayfield, Cory K ........................Disclosed no conflict of interest.

Mayfield, Cory K ........................Disclosed no conflict of interest.


Mayman, David ........................1: Stryker, OrthAlign, Smith and Nephew.

Mayman, David J ........................1: OrthAlign, Smith and Nephew; 3B: Stryker; 4: Imagen, OrthAlign, Smith and Nephew, Wishbone, Micare Path, Cymedica.

Mayman, David J ........................1: OrthAlign, Smith and Nephew; 3B: Stryker; 4: Imagen, OrthAlign, Smith and Nephew, Wishbone, Micare Path, Cymedica.


Mayman, David J ........................1: OrthAlign, Smith & Nephew; 3B: Stryker; 4: Cymedica, Imagen, MiCare Path, OrthoAlign, Wishbone Medical; 9: Hip Society, Knee Society.

Mayo, Joel .............................Disclosed no conflict of interest.

Mayr, Hermann O .......................Disclosed no conflict of interest.

Mazda, Osam ...........................Disclosed no conflict of interest.

Mbalaviele, Gabriel ......................Disclosed no conflict of interest.


McAlinden, Audrey ....................8: Audrey McAlinden; 9: Audrey McAlinden.

McAlindon, Timothy ....................Disclosed no conflict of interest.


McAndrews, Casey ....................Disclosed no conflict of interest.

McAuliffe, Allie .......................3A: G.RAU Inc.

McBride-Gagyi, Sara ...................8: Journal of Orthopaedic Research; 9: ORS.

McBroom, Trevor .......................Disclosed no conflict of interest.

McCabe, Caleb ..........................Disclosed no conflict of interest.

McCabe, Caleb A ........................Disclosed no conflict of interest.

McCabe, Joseph .......................Disclosed no conflict of interest.
McCabe, Laura ...................... Disclosed no conflict of interest.
McCaffery, Kevin T. .................. Disclosed no conflict of interest.
McCall, Kathryn E ..................... Disclosed no conflict of interest.
McCanne, Madeline ................... Disclosed no conflict of interest.
McCarrick-Walmsley, Ruth .......... Disclosed no conflict of interest.
McCarthy, Helen ....................... 3B: pHion; 6: pHion; 7A: pHion.
McCarthy, Stephanie M. .............. Disclosed no conflict of interest.
McClain IV, Edward J ................. 6: Spinal Simplicity.
McClain IV, Edward J ................. 6: Kyocera.
McClincy, Michael .................... 1: elizur.
McClincy, Michael .................... 7A: Elizur Inc.
McClincy, Michael .................... 1: Elizur LLC.
McClure, Michael ..................... 6: MTF Biologics.
McClure, Michael J ................... Disclosed no conflict of interest.
McClure, Scott R ...................... 3B: Nucleus ProVets LLC.
McCool, Jillian L ...................... Disclosed no conflict of interest.
McCormick, Jason ..................... Disclosed no conflict of interest.
McCormick, Johnathon ............... Disclosed no conflict of interest.
McCormick, Katie ..................... Disclosed no conflict of interest.
McCoy, Annette M .................... 9: Chair-Elect, ORS Preclinical Models.
McCrosson, Matthew J ............... Disclosed no conflict of interest.
McCulley, Steele ..................... Disclosed no conflict of interest.
McCulloch, Andrew ................... Disclosed no conflict of interest.
McCulloch, Patrick ................... Disclosed no conflict of interest.
McCurdy, Michael ................... Disclosed no conflict of interest.
McDermott, Kathleen A ............. Disclosed no conflict of interest.
McDermott, Katie ................... Disclosed no conflict of interest.
McDermott, Ryland .................. Disclosed no conflict of interest.
McDermott, Ryland M ............... Disclosed no conflict of interest.
McDonald, Curtis .............................. Disclosed no conflict of interest.
McDowell, Catherine D ............................ Disclosed no conflict of interest.
McEntee, Richard ................................. Disclosed no conflict of interest.
McEwen, Erin .................................... Disclosed no conflict of interest.
McFarlane, Kelly .................................. Disclosed no conflict of interest.
McGahan, Patrick .................................. Disclosed no conflict of interest.
Mcgee, Allen ...................................... Disclosed no conflict of interest.
McGee-Lawrence, Meghan ......................... 9: ORS Board of Directors.
McGinty, Hannah M ................................ Disclosed no conflict of interest.
McGovern, Jacqui .................................. Disclosed no conflict of interest.
McGrady, Linda M .................................. Disclosed no conflict of interest.
McGrath, Brian .................................... Disclosed no conflict of interest.
McGrath, James ................................... Disclosed no conflict of interest.
McGrath, James L .................................. Disclosed no conflict of interest.
McGraw, Alex ..................................... 3A: Paragon 28, Inc; 4: Paragon 28, Inc.
McGrory, Brian .................................... 7A: Smith & Nephew.
McGwin, Gerald .................................... Disclosed no conflict of interest.
McIlwraith, Wayne ................................ Disclosed no conflict of interest.
McInnes, Iain B ................................... Disclosed no conflict of interest.
McKean, John ...................................... Disclosed no conflict of interest.
McKenzie, Sarah M. ............................... Disclosed no conflict of interest.
McKenzie, Temperly ............................... Disclosed no conflict of interest.
McKernan, Michael J .............................. Disclosed no conflict of interest.
McKibben, Natasha ................................. Disclosed no conflict of interest.
McLarty, William M ............................... Disclosed no conflict of interest.
McLaughlin, William M ........................... Disclosed no conflict of interest.
McLaughlin, William M. .......................... Disclosed no conflict of interest.
McLay, Sophie J ................................... Disclosed no conflict of interest.
McLennan, Alexandra ............... disclosed no conflict of interest.
McLeod, Robert R. .................. disclosed no conflict of interest.
McMahon, Sarah .................... disclosed no conflict of interest.
McMahon, Sophia ................... disclosed no conflict of interest.
McNall, Evan D ........................ disclosed no conflict of interest.
McNally, Michael .................... disclosed no conflict of interest.
McNamara, Colin ..................... disclosed no conflict of interest.
McNamara, Colin A .................. disclosed no conflict of interest.
McNamara, Laoise ................... disclosed no conflict of interest.
McNamara, Laoise M ................ disclosed no conflict of interest.
McNeill, Tyler ....................... disclosed no conflict of interest.
McNulty, Amy ........................ 6: JRF Ortho; 8: Connective Tissue Research.
McNulty, Amy L ...................... 8: CTR.
McNulty, Amy L ........................ 8: Connective Tissue Research.
McWeeney, Shannon ................... disclosed no conflict of interest.
Meadows, Kyle D ........................ disclosed no conflict of interest.
Meadows, Molly ........................ disclosed no conflict of interest.
Mears, Chad S. ........................ disclosed no conflict of interest.
Mecchi, Laura ........................ disclosed no conflict of interest.
Medeiros Savi, Flavia ................ disclosed no conflict of interest.
Medhi, Bikash ........................ disclosed no conflict of interest.
Medina, Samuel ....................... disclosed no conflict of interest.
Meduri, Chitra ....................... disclosed no conflict of interest.
Medvecky, Michael .................. 6: Smith & Nephew.
Medvecky, Michael J ................ disclosed no conflict of interest.
Meeks, Huong ....................... disclosed no conflict of interest.
Megafu, Emmanuel C .................. disclosed no conflict of interest.
Megafu, Michael N .................. disclosed no conflict of interest.
Megherhi, Sabreen  
Disclosed no conflict of interest.

Meghwani, Himanshu  
Disclosed no conflict of interest.

Mehari Abraha, Hyab  
Disclosed no conflict of interest.

Mehren, Christoph  
3B: Centinel Spine LLC.

Mehrjou, Babak  
Disclosed no conflict of interest.

Mehrotra, Dev R  
Disclosed no conflict of interest.

Mehta, Bella  
Disclosed no conflict of interest.

Mehta-D’Souza, Padmaja  
Disclosed no conflict of interest.

Meiyyappan, Meena  
Disclosed no conflict of interest.

Meka, Sai Rama Krishna  
Disclosed no conflict of interest.

Mekhail, Joe  
Disclosed no conflict of interest.

Melkus, Gerd  
Disclosed no conflict of interest.

Mell, Steven  
Disclosed no conflict of interest.

Mell, Steven P  
Disclosed no conflict of interest.

Mellon, Stephen  
Disclosed no conflict of interest.

Mellon, Stephen J  
Disclosed no conflict of interest.

Melnic, Christopher M  
3B: Smith & Nephew; 5: Zimmer Biomet.

Melvage, Autumn  
Disclosed no conflict of interest.

Mendel, Thomas  
2: medi.

Mendez, Devin  
Disclosed no conflict of interest.

Mendez-Cruz, Carlos  
Disclosed no conflict of interest.

Mendias, Christopher  
Disclosed no conflict of interest.

Mendoza, Sarah V  
Disclosed no conflict of interest.

Meneghini, R. Michael  
1: Enovis, Osteoremedies, Kinamed, Innomed; 3B: Enovis, Osteoremedies, Kinamed; 4: PeekMed, Emovi; 7B: Springer; 8: Journal of Arthroplasty; Orthopedics Today; 9: AAHKS, Knee Society, IOEN, MAOA.

Meng, Connor  
Disclosed no conflict of interest.

Meng, Fanwei  
3A: LifeNet Health.

Meng, Zhaoxu  
Disclosed no conflict of interest.

Meng, Zhipeng  
Disclosed no conflict of interest.
Menga, Emmanuel ....................... Disclosed no conflict of interest.
Mengheng, Li .......................... Disclosed no conflict of interest.
Menghini, Danilo ....................... Disclosed no conflict of interest.
Mengis, Tamara ........................ Disclosed no conflict of interest.
Menon, Nikhil G ........................ Disclosed no conflict of interest.
Menon, Siddarth ........................ Disclosed no conflict of interest.
Menon, Sukrita ........................ Disclosed no conflict of interest.
Menssen, Daphne M.A. .......... Disclosed no conflict of interest.
Mera, Barbara ........................ Disclosed no conflict of interest.
Mercer, Ara K ........................ Disclosed no conflict of interest.
Merchant, Aftab ....................... Disclosed no conflict of interest.
Mercuri, Jeremy ....................... Disclosed no conflict of interest.
Mereness, Jared ....................... Disclosed no conflict of interest.
Mertz, Kevin .......................... Disclosed no conflict of interest.
Mesfin, Addisu .......................... 4: Axiomed; 6: Nuvasive, Medtronic, Medtronic, Stryker; 9: CSRS, JRGOS, LSRS, NASS, SRS.
Mesfin, Fassil .......................... Disclosed no conflict of interest.
Meslier, Quentin A ....................... 6: Intern at LifeCanvas Technologies as part of NSF INTERN grant supplement.
Mess, Ann-Kathrin .................. Disclosed no conflict of interest.
Messamore, William .................. Disclosed no conflict of interest.
Metlushko, Anna ....................... Disclosed no conflict of interest.
Mette, Makena ......................... Disclosed no conflict of interest.
Mette, Makenna ....................... Disclosed no conflict of interest.
Metzger, Corinne E .................. Disclosed no conflict of interest.
Metzger, Gregor ....................... Disclosed no conflict of interest.
Metzger, Jonas W ..................... Disclosed no conflict of interest.
Metzger, Melodie ..................... 5: Arthrex.
Metzler, Nicolas F .................. Disclosed no conflict of interest.
Meyer, Mariangela  
Disclosed no conflict of interest.

Meyers, Kate  
Disclosed no conflict of interest.

Meyers, Kathleen N  
Disclosed no conflict of interest.

Meza, Guadalupe  
Disclosed no conflict of interest.

Miao, Tianfeng  
Disclosed no conflict of interest.

Michael, Betz  
Disclosed no conflict of interest.

Michalek, Art  
Disclosed no conflict of interest.

Michalowski1, Wjotek  
Disclosed no conflict of interest.

Michalski, Max  
3B: Extremity Medical.

Michaud, Jana  
Disclosed no conflict of interest.

Michel, Philipp  
Disclosed no conflict of interest.

Micheli, Brad  
3C: Exactech.

Michels, Lysanne V  
Disclosed no conflict of interest.

Mickschl, Dara J  
3A: Accentcare Home Health.

Micou, Lauren  
Disclosed no conflict of interest.

Middelhoff, Muriel  
Disclosed no conflict of interest.

Middendorf, Jill  
Disclosed no conflict of interest.

Middleton, Austin  
3A: MCW.

Middleton, Emily  
Disclosed no conflict of interest.

Midura, Ronald  
Disclosed no conflict of interest.

Mielke, Anna-Maria  
Disclosed no conflict of interest.

Mierswa, Sabrina  
Disclosed no conflict of interest.

Mierswa, Sabrina C  
Disclosed no conflict of interest.

Mifune, Yutaka  
Disclosed no conflict of interest.

Mignone, Ivy  
Disclosed no conflict of interest.

Mihalko, Marc  
7B: Elsevier Inc.

Mihalko, Marc J  
7B: Elsevier Inc.

Mihalko, William  


Mihalko, William ........................ 1: Aesculap AG Tuttlingen, Germany.


Mihalko, William M.......................1: Aesculap/B.Braun; 2: Pacira Biosciences; Aesculap/B. Braun; 3B: Pacira Inc.; Aesculap/B. Braun; 4: Medtronic; 5: Medacta; FDA; AAHKS; 7B: Elsevier; 8: J Long Term Eff Med Implants; OCNA; JOR; JOA; 9: ORS; Knee Society; Int soc Technol Arthroplasty; Hip Society; Campbell Foundation; Am Soc Test Materials Int; AAHKS, AAOS.

Mihaly, Eszter ........................... Disclosed no conflict of interest.

Mihara, Atsushi .......................... Disclosed no conflict of interest.

Mihas, Alexander ....................... Disclosed no conflict of interest.

Mihic, Anastasija ....................... Disclosed no conflict of interest.

Mika, Aleksander ....................... Disclosed no conflict of interest.

Mikaeliagah, Elmira .................... Disclosed no conflict of interest.

Mike-Mayer, Austin .................... Disclosed no conflict of interest.

Miletsky, Gabriela ...................... Disclosed no conflict of interest.

Millar, Neal L ........................... Disclosed no conflict of interest.

Millard, Rita ............................ 3A: DSM Biomedical.
Millecamps, Magali .................... Disclosed no conflict of interest.
Miller, Aspen ......................... Disclosed no conflict of interest.
Miller, Cameron ...................... Disclosed no conflict of interest.
Miller, Jordan ......................... Disclosed no conflict of interest.
Miller, Kathryn ....................... Disclosed no conflict of interest.
Miller, Katie ............................. 3A: M-Squared.
Miller, Mark ............................ Disclosed no conflict of interest.
Miller, Mark A .......................... Disclosed no conflict of interest.
Miller, Mark Carl ...................... Disclosed no conflict of interest.
Miller, Peggy E ........................ Disclosed no conflict of interest.
Miller, Rachel ......................... Disclosed no conflict of interest.
Miller, Rachel E ....................... Disclosed no conflict of interest.
Miller, Richard J ..................... Disclosed no conflict of interest.
Miller, Ross ............................ Disclosed no conflict of interest.
Miller, Steven A ...................... Disclosed no conflict of interest.
Miller, Sue ............................. Disclosed no conflict of interest.
Miller, Tristan ......................... Disclosed no conflict of interest.
Millett, Peter .......................... 1: Arthrex, Inc; 3B: Arthrex, Inc; 4: VuMedi; 5: Arthrex, Inc.
Mills, Emily .......................... Disclosed no conflict of interest.
Mills, Emily S .......................... Disclosed no conflict of interest.
Milne, Indigo ......................... Disclosed no conflict of interest.
Mima, Yuichiro ....................... Disclosed no conflict of interest.
Mims, Dorothy ....................... Disclosed no conflict of interest.
Min, Xiaoyi .......................... Disclosed no conflict of interest.
Minami, Masataka .................... Disclosed no conflict of interest.
Minas, Lucas ......................... Disclosed no conflict of interest.
Minegishi, Kanako ................... Disclosed no conflict of interest.
Ming Chin, Tsai ....................... Disclosed no conflict of interest.
Minji, Lee Disclosed no conflict of interest.

Minogue, John Disclosed no conflict of interest.

Mintz, Douglas N Disclosed no conflict of interest.

Mirshed, Tony Disclosed no conflict of interest.

Mirza, Faryal S. Disclosed no conflict of interest.

Mirzajavadkhan, Azin Disclosed no conflict of interest.

Misztabatabaei, Seyedmohammadsaleh Disclosed no conflict of interest.

Mischler, Dominic Disclosed no conflict of interest.

Mishima, Hajime Disclosed no conflict of interest.

Mishima, Kenichi Disclosed no conflict of interest.

Mishra, Abhinav Disclosed no conflict of interest.

Mishra, Bikash Disclosed no conflict of interest.

Mishra, Pranav K Disclosed no conflict of interest.

Mishra, Pranav Kumar Disclosed no conflict of interest.

Mitchell, Alexis Disclosed no conflict of interest.

Mitchell, Michael J Disclosed no conflict of interest.

Mitchell, Ulrike H Disclosed no conflict of interest.

Mitchener, Donald Disclosed no conflict of interest.

Mitra, Indranath Disclosed no conflict of interest.

Mitra, Kishen Disclosed no conflict of interest.

Mitsutake, Ryo Disclosed no conflict of interest.

Mitsuzawa, Sadaki Disclosed no conflict of interest.

Mittal, Anupam Disclosed no conflict of interest.

Mittal, Ashish Disclosed no conflict of interest.


Miura, Kota Disclosed no conflict of interest.

Miura, Kousei Disclosed no conflict of interest.

Miura, Taihei Toyama Chemical Co., Ltd.

Miyairi, Yuichi Disclosed no conflict of interest.
Miyake, Ryo..........................Disclosed no conflict of interest.
Miyaki, Shigeru......................Disclosed no conflict of interest.
Miyama, Akira........................Disclosed no conflict of interest.
Miyamoto, Himari....................Disclosed no conflict of interest.
Miyamoto, Hiroshi....................Disclosed no conflict of interest.
Miyamoto, Ryosuke..................Disclosed no conflict of interest.
Miyamoto, Shun......................Disclosed no conflict of interest.
Miyamoto, Takuma...................Disclosed no conflict of interest.
Miyamoto, Tomohiro................Disclosed no conflict of interest.
Miyamura, Satoshi...................Disclosed no conflict of interest.
Miyasaka, Hayato....................Disclosed no conflict of interest.
Miyatake, Kazumasa.................Disclosed no conflict of interest.
Miyazaki, Kunihiko..................Disclosed no conflict of interest.
Miyazaki, Shingo....................Disclosed no conflict of interest.
Mizenko, Rachel......................Disclosed no conflict of interest.
Mizobuchi, Shuhei...................Disclosed no conflict of interest.
Mizuno, Junichi......................Disclosed no conflict of interest.
Mizuno, Mitsuru......................Disclosed no conflict of interest.
Mizuno, Shuichi......................Disclosed no conflict of interest.
Mizuno, Takafulmi...................Disclosed no conflict of interest.
Mizuta, Kohei........................Disclosed no conflict of interest.
Mkaratigwa, Tadiwanashe..........Disclosed no conflict of interest.
Moayedi, Atousa.....................Disclosed no conflict of interest.
Moazamian, Dina.....................Disclosed no conflict of interest.
Mobasheri, Ali........................9: service on the OARSI board.
Mochida, Yuichi......................Disclosed no conflict of interest.
Mochizuki, Tomoharu.................Disclosed no conflict of interest.
Modrak, Maxwell....................Disclosed no conflict of interest.
Mody, Kush

Mody, Mian

Mody, Milan

Moecikel, Camille

Moeinzadeh, Seyedsina

Moeller, Nele

Mohamed, Ahmed

Mohammad, Saeed

Mohammadi, Ali

Mohammed, Tuji M

Mohammed, Zuhair J

Moharreer, Yasaman

Mohler, David G

Mohan, Aanya

Mohana-Borges, Aurea

Moharrer, Yasaman

Mohler, David G

Mohn, Jillian

Moharrer, Yasaman

Mohl, Marcus

Mok, James

Moles, Emily G.

Molino, Janine

Molitoris, Kristin

Molloy, Sean

Molly, Piazza

Mologne, Mitchell S

Molokwu, Brian

Momenzadeh, Kaveh

Momina, Haseeb

Monaghan, James R

Monagharaan, Guha

Disclosed no conflict of interest.
Monahan, Peter .......................... *Disclosed no conflict of interest.*
Monahan, Peter F. .......................... *Disclosed no conflict of interest.*
Moncher, Jacob .......................... *Disclosed no conflict of interest.*
Monforte, Xavier .......................... *Disclosed no conflict of interest.*
Mononen, Mika E .......................... *Disclosed no conflict of interest.*
Mononen, Mika E .......................... *Disclosed no conflict of interest.*
Mononen, Mika E .......................... *Disclosed no conflict of interest.*
Monopoli Forleo, Donato ............... *Disclosed no conflict of interest.*
Monroe, Derek C .......................... *Disclosed no conflict of interest.*
Mont, Michael .............................. 1: Stryker; 3B: Johnson & Johnson, Smith & Nephew, Stryker, Pfizer; 5: National Institutes of Health (NIAMS & NICHD); 8: Journal of Arthroplasty, Knee Surgery, Sports Traumatology & Arthroscopy, Orthopedics; 9: Hip Society, Knee Society.
Mont, Michael A ........................... 3B: Stryker, 3M, CERAS Health, Exactech, Johnson & Johnson, Mirror-AR, NXSCI, Pacira BioSciences, Peerwell, Smith & Nephew, US Medical Innovations; 5: NIH; 7A: Stryker; 8:


Montagnino, Elizabeth .................. Disclosed no conflict of interest.
Monteagudo, Silvia .................. Disclosed no conflict of interest.
Montenegro, Cristhian .................. Disclosed no conflict of interest.
Montgomery, Emily C. .................. Disclosed no conflict of interest.
Montoya, Travis .................. Disclosed no conflict of interest.
Monument, Michael .................. Disclosed no conflict of interest.
Moo, Eng Kuan .................. Disclosed no conflict of interest.
Moody, Maya .................. Disclosed no conflict of interest.
Moody, Mikayla .................. Disclosed no conflict of interest.
Mook, Baylie M .................. Disclosed no conflict of interest.
Moon, Charles .................. 2: Acumed, LLC, Bone Support, My01, Stryker; 3B: Acumed, LLC, Corentec, Extremity Medical, Globus Medical, Paragon28, SI-Bone, Stryker.
Moon, Hong J .................. Disclosed no conflict of interest.
Moon, John .................. Disclosed no conflict of interest.
Mooney, David J .................. Disclosed no conflict of interest.
Moore, Axel .................. Disclosed no conflict of interest.
Moore, Blake .......................... 5: Tyber Medical.
Moore, Cara .................. Disclosed no conflict of interest.
Moore, Don .................. 9: AAOS, LSRS, NASS.
Moore, Don K .................. 9: AAOS, LSRS, NASS.
Moore, Douglas .................. Disclosed no conflict of interest.
Moore, Joseph .................. Disclosed no conflict of interest.
Moore, Laura K .................. Disclosed no conflict of interest.
Moore, Logan .................. Disclosed no conflict of interest.
Moore, Zoe M .................. Disclosed no conflict of interest.
Moradi, Lida...Disclosed no conflict of interest.
Morales, Angie...Disclosed no conflict of interest.
Morales, Angie L...Disclosed no conflict of interest.
Moran, Jay...Disclosed no conflict of interest.
Moran, Meghan M...Disclosed no conflict of interest.
Moran, Steven...Disclosed no conflict of interest.
Moran, Steven L...Disclosed no conflict of interest.
Morandi, Massimo (Max)...Disclosed no conflict of interest.
Moravek, Molly...Disclosed no conflict of interest.
Moré, Ari...Disclosed no conflict of interest.
Moré, Ari Digiacomo Ocampo...Disclosed no conflict of interest.
Moreira Perez, Matheus...Disclosed no conflict of interest.
Morey, Tucker...Disclosed no conflict of interest.
Morgan, Dustin...Disclosed no conflict of interest.
Morgan, Elise...8: Bone.
Morgan, Kristin...Disclosed no conflict of interest.
Morgan, Vince...Disclosed no conflict of interest.
Mori, Masaki...Disclosed no conflict of interest.
Mori, Sachie...Disclosed no conflict of interest.
Moriarty, Thomas Fintan...Disclosed no conflict of interest.
Moridi, Atieh...5: Johnson & Johnson.
Morimoto, Masatoshi...Disclosed no conflict of interest.
Morimoto, Shota...Disclosed no conflict of interest.
Morio, Futoshi...Disclosed no conflict of interest.
Morio, Kazuhito...Disclosed no conflict of interest.
Morishita, Yuri...Disclosed no conflict of interest.
Morita, Takahiro...Disclosed no conflict of interest.
Morita, Wataru...Disclosed no conflict of interest.
Morita, Yudai...Disclosed no conflict of interest.
Morita, Yugo .......................... Disclosed no conflict of interest.
Morrey, Mark .......................... 7B: Elsevier.
Morrey, Mark E .......................... 7B: Elsevier.
Morrey, Mark E .......................... 7B: Elsevier.
Morris, Jared .......................... Disclosed no conflict of interest.
Morris, Rachel .......................... Disclosed no conflict of interest.
Morris, Randal .......................... Disclosed no conflict of interest.
Morrison, Craig .......................... Disclosed no conflict of interest.
Morriss, Nicholas .......................... Disclosed no conflict of interest.
Morrissette, Kali .......................... Disclosed no conflict of interest.
Mortensen, Alexander J .................. Disclosed no conflict of interest.
Morton, Amy .......................... Disclosed no conflict of interest.
Moschini, Greta .......................... Disclosed no conflict of interest.
Moser, Alexandra .......................... Disclosed no conflict of interest.
Moshage, Sara G .......................... Disclosed no conflict of interest.
Mosiman, Samuel .......................... Disclosed no conflict of interest.
Moskal, Joseph .......................... Disclosed no conflict of interest.
Moslehyazdi, Maziar .......................... Disclosed no conflict of interest.
Mostardo, Sarah L .......................... Disclosed no conflict of interest.
Mota, Vivian M .......................... Disclosed no conflict of interest.
Motherwell, Jessica M. .......................... Disclosed no conflict of interest.
Motomura, Goro .......................... Disclosed no conflict of interest.
Mottole, Nicole .......................... Disclosed no conflict of interest.
Moucha, Calin S .......................... Disclosed no conflict of interest.
Mounsef, Peter .......................... Disclosed no conflict of interest.
Mourkioti, Foteini .......................... Disclosed no conflict of interest.
Mousavizadeh, Rouhollah

Mouser, Bryan

Mousoulis, Christos

Movahhedi, Mohammadreza

Moviglia, Gustavi

Movva, Arun K.

Mowers, Colton C

Mowry, Katie C

Moya, Emily

Moya, Emily N

Moyer, Ben

Moyer, Daniel

Mozella, Alan de Paula

Mpofu, Laura

Mroz, Kelly

Mueller, Dustin

Mueller, Erik

Mueller, John Kyle P

Mueller, Peter E

Mueller, Peter E.

Muffly, Brian T.

Muh, Stephanie

Mukherjee, Satanik

Mukohara, Shintaro

Mukul, Nuzhat

Mulcrone, Jack E

Mullen, Scott

Müller, Ralph

Müller, Ralph

Mulligan, Ed
Mumtaz, Muzammil ............... Disclosed no conflict of interest.
Mun, Ji Yeon ..................... Disclosed no conflict of interest.
Munevar Luque, Rodrigo ......... Disclosed no conflict of interest.
Mungalpara, Nirav ............... Disclosed no conflict of interest.
Munitz, Jazz ..................... Disclosed no conflict of interest.
Muñoz, Steven M ............... Disclosed no conflict of interest.
Munsch, Amanda ................. Disclosed no conflict of interest.
Munsch, Maria ................... Disclosed no conflict of interest.
Munz, John W .................... Disclosed no conflict of interest.
Mura, Nariyuki ................... Disclosed no conflict of interest.
Murahashi, Yasutaka ............ Disclosed no conflict of interest.
Murakami, Akira ................ Disclosed no conflict of interest.
Murakami, Akira M. ............ Disclosed no conflict of interest.
Murakami, Katsuhiko ........... Disclosed no conflict of interest.
Murakami, Ryo .................. Disclosed no conflict of interest.
Murakami, Yuto .................. Disclosed no conflict of interest.
Murase, Kohei ................... Disclosed no conflict of interest.
Murata, Kenji ................... Disclosed no conflict of interest.
Murata, Koichi .................. Disclosed no conflict of interest.
Murata, Shizumasa .............. Disclosed no conflict of interest.
Murata, Tomoaki ............... Disclosed no conflict of interest.
Murata, Yoichi ................. Disclosed no conflict of interest.


Murayama, Masatoshi: Disclosed no conflict of interest.

Murdock, Christopher: Disclosed no conflict of interest.

Murgia, Denise: Disclosed no conflict of interest.

Murphy, Lance: Disclosed no conflict of interest.

Murphy, Lance: Disclosed no conflict of interest.

Murphy, William: Disclosed no conflict of interest.

Murphy, William L: 3B: Medtronic, Cellular Logistics.

Murray, Crystal J: Disclosed no conflict of interest.

Murray, Cynthia: Disclosed no conflict of interest.


Murray, Dylan J: Disclosed no conflict of interest.

Murray, Hallie: 3A: Tyber Medical.

Murray, Hallie: 3A: Tyber Medical, LLC.

Murshed, Monzur: Disclosed no conflict of interest.

Muruganandan, Shanmugam: Disclosed no conflict of interest.

Murugesh, Deepa K: Disclosed no conflict of interest.


Musahl, Volker: 3B: Newclip Technics and Smith and Nephew Inc; 4: Ostesys SAS; 9: ACL Study Group.

Muscat, Samantha: Disclosed no conflict of interest.
Muschler, George .................. Disclosed no conflict of interest.
Mussell, Jason ....................... 3B: Pacira BioSciences.
Muthukrishnan, Gowri .......... 4: TEx Immunetics; 5: TEx Immunetics.
Mutsuzaki, Hirotaka ................ Disclosed no conflict of interest.
Mutty, Christopher ................ Disclosed no conflict of interest.
Mwale, Jackson .................... Disclosed no conflict of interest.
Myers, Casey .......................... 5: DePuy.
Myers, Erik .......................... Disclosed no conflict of interest.
Myers, Kathleen ........................ Disclosed no conflict of interest.
Myers, Kevin .......................... Disclosed no conflict of interest.
Myers, Thomas .......................... 5: Concentric Analgesics, Inc.
Nadar, Arun .......................... Disclosed no conflict of interest.
Nadella, Mohnish ........................ Disclosed no conflict of interest.
Nadesan, Puviindran ................ Disclosed no conflict of interest.
Nadkarni, Seemantini ............... Disclosed no conflict of interest.
Nafisi, Nazanin ........................ Disclosed no conflict of interest.
Nagae, Masateru ........................ Disclosed no conflict of interest.
Nagahama, Ken ...................... Disclosed no conflict of interest.
Nagai, Kanto .......................... Disclosed no conflict of interest.
Nagamine, Ryuji ................. Disclosed no conflict of interest.
Nagaraj, Rohit U. .......................... Disclosed no conflict of interest.
Nagaraja, Srinidhi .................. 3A: G. Rau Inc.
Nagashima, Hideki .................. Disclosed no conflict of interest.
Nagashima, Kiyotaka ............... Disclosed no conflict of interest.
Nagata, Naosuke .................... Disclosed no conflict of interest.
Nageeb, George .................. Disclosed no conflict of interest.
Nagira, Keita .................. Disclosed no conflict of interest.
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Naguib, Nada .................. Disclosed no conflict of interest.
Nagura, Takeo .......................... 4: iMU Co., Ltd.

Naha, Ananya ............................ Disclosed no conflict of interest.

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Naito, Kiyohito ........................ Disclosed no conflict of interest.

Naito, Toichiro ........................ Disclosed no conflict of interest.

Naito, Touchiro ........................ Disclosed no conflict of interest.

Naito, Yohei ............................ Disclosed no conflict of interest.

Naj, Omar .............................. 3B: Exactech, FX; 4: Digikare.

Naka, Takuma ............................ Disclosed no conflict of interest.

Nakada, Eiji ............................ Disclosed no conflict of interest.

Nakagawa, Hiromitsu .................. 3A: Hitachi, Ltd.

Nakagawa, Koichi ...................... Disclosed no conflict of interest.

Nakagawa, Shuji ........................ Disclosed no conflict of interest.

Nakagawa, Shushi ........................ Disclosed no conflict of interest.

Nakagawa, Yusuke ...................... Disclosed no conflict of interest.

Nakahara, Ema .......................... Disclosed no conflict of interest.

Nakamatsu, Yuta ........................ Disclosed no conflict of interest.

Nakamichi, Ryo ......................... Disclosed no conflict of interest.

Nakamura, Junichi ...................... 4: Stock.

Nakamura, Kei .......................... Disclosed no conflict of interest.

Nakamura, Masaya ...................... Disclosed no conflict of interest.

Nakamura, Norimasa .................... Disclosed no conflict of interest.

Nakamura, Shinichiro .................. Disclosed no conflict of interest.

Nakamura, Tomoki ...................... Disclosed no conflict of interest.

Nakamura, Tomomasa .................. Disclosed no conflict of interest.

Nakanishi, Kazuyoshi .................. Disclosed no conflict of interest.

Nakanishi, Yuta ........................ Disclosed no conflict of interest.

Nakano, Hiroaki ......................... 3C: NEC Corporation.

Nakano, Naoki .......................... Disclosed no conflict of interest.

Nakao, Yoshitaka ....................... Disclosed no conflict of interest.
Nakasa, Tomoyuki .................. Disclosed no conflict of interest.
Nakashima, Hiroaki .................. Disclosed no conflict of interest.
Nakashima, Takema .................. Disclosed no conflict of interest.
Nakashima, Yasuharu ................. Disclosed no conflict of interest.
Nakasone, Satoshi .................. Disclosed no conflict of interest.
Nakata, Ken .......................... 5: Taisho Pharmaceutical Co., Ltd.
Nakatani, Takushi .................. Disclosed no conflict of interest.
Nakatsuka, Terumasa .................. Disclosed no conflict of interest.
Nakayama, Hiroshi .................. Disclosed no conflict of interest.
Nakayama, Karina .................. Disclosed no conflict of interest.
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Nakayama, Kazuki .................. Disclosed no conflict of interest.
Nakayama, Naoki .................. Disclosed no conflict of interest.
Nakken, Erik R .................. Disclosed no conflict of interest.
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Nam, Denis .................. 3B: KCI, Stryker; 5: KCI, Zimmer.
Nam, Jinwoo .................. Disclosed no conflict of interest.
Namiranian, Behnam .................. Disclosed no conflict of interest.
Nanavati, Andreas .................. Disclosed no conflict of interest.
Nankaku, Manabu .................. Disclosed no conflict of interest.
Nano, Sarah .................. Disclosed no conflict of interest.
Napierala, Melanie .................. Disclosed no conflict of interest.
Naqib, Ankur .................. Disclosed no conflict of interest.
Naqvi, Syeda Kanwal .................. Disclosed no conflict of interest.
Naqvi, Syeda Masooma .................. Disclosed no conflict of interest.
Narayanan, Padmasri .................. Disclosed no conflict of interest.
Narayanan, Rajkishen .................. Disclosed no conflict of interest.
Narcisse, Patrick .................. Disclosed no conflict of interest.
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Nasamran, Chanond A .............. Disclosed no conflict of interest.
Nasme, Fariha ....................... Disclosed no conflict of interest.
Nasoori, Alireza ..................... Disclosed no conflict of interest.
Nasrallah, Carina ..................... Disclosed no conflict of interest.
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Nasser, Philip ........................ Disclosed no conflict of interest.
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Nawabi, Danyal H ................... 3B: Arthrex, Gotham Surgical, Stryker, BetterPT, Engage Uni.

Nayak, Pavan ....................... Disclosed no conflict of interest.
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Nazhat, Showan .................... Disclosed no conflict of interest.

Nazzal, Ehab ....................... Disclosed no conflict of interest.
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Nazzal, Murad K ................... Disclosed no conflict of interest.
Neal, Craig ......................... Disclosed no conflict of interest.

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Neginhal, Sunjit .................... Disclosed no conflict of interest.
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Nehrer, Stefan ....................Disclosed no conflict of interest.
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Neil, Daniel ........................Disclosed no conflict of interest.
Neilson, John C ....................Disclosed no conflict of interest.
Nelo, Mikko ..........................Disclosed no conflict of interest.
Nelson, Alexis K ....................Disclosed no conflict of interest.
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Nelson, Brad ..........................Disclosed no conflict of interest.
Nelson, Bradley .....................Disclosed no conflict of interest.
Nelson, Charles .....................Disclosed no conflict of interest.
Nelson, Jacob P .......................Disclosed no conflict of interest.
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Nelson, Karen ........................Disclosed no conflict of interest.
Nelson, Noah ..........................Disclosed no conflict of interest.
Nelson, Renjy .........................Disclosed no conflict of interest.
Nelson, Sarah .........................Disclosed no conflict of interest.
Nelson, Trevor J .....................Disclosed no conflict of interest.
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Nemoto, Nobuhito ....................Disclosed no conflict of interest.
Nencka, Andrew .....................Disclosed no conflict of interest.
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Nesbitt, Derek .......................Disclosed no conflict of interest.
Nesbitt, Payton R ..................Disclosed no conflict of interest.
Nessler, Joseph M ..................Disclosed no conflict of interest.
Newcomb, Emily ............................................ Disclosed no conflict of interest.
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Newell, Benjamin W. ........................................... Disclosed no conflict of interest.
Newton, Michael ............................................... Disclosed no conflict of interest.
Newton, Michael D. ............................................ Disclosed no conflict of interest.
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Nguyen, Anthony V. ............................................. Disclosed no conflict of interest.
Nguyen, Chau P. ............................................... Disclosed no conflict of interest.
Nguyen, Danny ................................................... Disclosed no conflict of interest.
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Nguyen, Hillary ................................................... Disclosed no conflict of interest.
Nguyen, Jie ........................................................ Disclosed no conflict of interest.
Nguyen, Kristin ................................................... Disclosed no conflict of interest.
Nguyen, Natalie .................................................. Disclosed no conflict of interest.
Nguyen, Nicole ................................................... Disclosed no conflict of interest.
Nguyen, Tam ....................................................... Disclosed no conflict of interest.
Nguyen, Tam P ...................................................... Disclosed no conflict of interest.
Nguyen, Tuyet .................................................... Disclosed no conflict of interest.
Nguyen, Vu .......................... Disclosed no conflict of interest.
Nguyen-Edquilang, Julie ........... Disclosed no conflict of interest.
Ngwe, Herve .......................... Disclosed no conflict of interest.
Nham, Fong ........................... Disclosed no conflict of interest.
Nia, Hadi T. ........................... Disclosed no conflict of interest.
Nian, Patrick .......................... Disclosed no conflict of interest.
Nian, Patrick P ........................ Disclosed no conflict of interest.
Nichols, Anne ......................... Disclosed no conflict of interest.
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Nicholson, Andrew J .................. Disclosed no conflict of interest.
Nicholson, Gregory P .................. 7A: Stryker, Anika; 9: ASES.
Nicholson, Howard .................... Disclosed no conflict of interest.
Nicholson, James ...................... Disclosed no conflict of interest.
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Nicolaou, Daemeon .................... Disclosed no conflict of interest.
Nicolella, Daniel ..................... Disclosed no conflict of interest.
Nicolescu, Julia M ................... Disclosed no conflict of interest.
Nicolini, Luís F ....................... Disclosed no conflict of interest.
Nie, Guangshuai ..................... Disclosed no conflict of interest.
Niebur, Glen .......................... Disclosed no conflict of interest.
Niebur, Glen L ....................... Disclosed no conflict of interest.
Niederoest, Barbara .................. Disclosed no conflict of interest.
Niehoff, Anja .......................... Disclosed no conflict of interest.
Nielsen, Gunnlaugur P .............. Disclosed no conflict of interest.
Niemann, Marcel ..................... Disclosed no conflict of interest.
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Niesen, Abby .......................... 3A: Stryker.
Niessink, Tom ....................... Disclosed no conflict of interest.
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Nihei, Kotaro ........................ Disclosed no conflict of interest.
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Niikura, Takahiro ................... 5: Tomita Pharmaceutical Co. Ltd.
Niki, Yasuo ........................... Disclosed no conflict of interest.
Nikitina, Nina ........................ Disclosed no conflict of interest.
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Nilssen, Paal K ..................... Disclosed no conflict of interest.
Ning, Bin ............................. Disclosed no conflict of interest.
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Nishida, Kotaro ..........................Disclosed no conflict of interest.

Nishida, Kyohei ..........................Disclosed no conflict of interest.

Nishida, Norihiro ..........................Disclosed no conflict of interest.

Nishida, Ryo ..........................Disclosed no conflict of interest.

Nishida, Yoshio ..........................Disclosed no conflict of interest.

Nishimoto, Hanako .....................Disclosed no conflict of interest.

Nishimura, Akinobu .....................Disclosed no conflict of interest.

Nishimura, Haruki ..........................Disclosed no conflict of interest.

Nishino, Katsutoshi .....................Disclosed no conflict of interest.

Nishino, Kazuya ..........................Disclosed no conflict of interest.

Nishino, Tomofumi ..........................Disclosed no conflict of interest.

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Nishitani, Kohei ..........................8: Editorial Review Board member of JOR.

Nishitani, Kohei ..........................8: Journal of Orthopaedic Research.

Nishiwaki, Yuuji ..........................Disclosed no conflict of interest.

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Niu, Qing-Tian ..........................Disclosed no conflict of interest.

Nixon, Jacob ..........................Disclosed no conflict of interest.

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Njoku-Austin, Confidence ............Disclosed no conflict of interest.

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Noble, Philip ..............................1: Zimmer Biomet; Stryker: IP royalties, Zimmer: IP royalties; paid consultant; 3B: Zimmer: IP royalties; paid consultant; 4: Joint View, LLC: Stock or stock Options; 6: Zimmer: IP royalties; paid consultant; 7B: Springer: Publishing royalties, financial or material support; 9: International Society for Technology in Arthroplasty: Board or committee member.

Nocon, Allina A ..........................Disclosed no conflict of interest.
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Noguchi, Hideo Disclosed no conflict of interest.
Noguchi, Hiroshi Disclosed no conflict of interest.
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Nojiri, Hidetoshi Disclosed no conflict of interest.
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Nonaka, Satoshi Disclosed no conflict of interest.
Noonan, Alex Disclosed no conflict of interest.
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Noori-Dokht, Hessam Disclosed no conflict of interest.
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Nozaki, Masahiro Disclosed no conflict of interest.
Nuelle, Clayton 2: Vericel, Arthrex; 3B: Guidepoint Consulting; 6: AO Foundation, Arthroscopy; 7B: Arthroscopy; 8: Arthroscopy; 9: AAOS, AOSSM, AANA.
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Nyska, Abraham .......................... 3B: Ossio Ltd.

Nyunt, Thedoe ............................ Disclosed no conflict of interest.


O’Connell, Robert ......................... Disclosed no conflict of interest.

O’Malley-Krohn, Isabel ...................... Disclosed no conflict of interest.

Oba, Hiroki .................................. Disclosed no conflict of interest.

Obeid, Tarek .................................. Disclosed no conflict of interest.

Obeidat, Alia .................................. Disclosed no conflict of interest.

Obeidat, Alia M ............................. Disclosed no conflict of interest.

Ober, Christopher P.......................... Disclosed no conflict of interest.

Obey, Mitchel R ............................. Disclosed no conflict of interest.

Obid, Peter ................................. Disclosed no conflict of interest.


O'Byrne, John M .................. Disclosed no conflict of interest.

Ocampo, Ricardo .................. Disclosed no conflict of interest.

O'Connell, Grace D .................. Disclosed no conflict of interest.

O'Connell, Grace D .................. Disclosed no conflict of interest.

O'Connor, J. Patrick ................. Disclosed no conflict of interest.

Odenthal, Alexandra .............. Disclosed no conflict of interest.

Odgen, Alan ...................... Disclosed no conflict of interest.

Odom, Parker ...................... Disclosed no conflict of interest.

O'Donnell, John C ................. Disclosed no conflict of interest.


Ogban, Francis .................... Disclosed no conflict of interest.

O'Gara, Ryan ...................... Disclosed no conflict of interest.

Ogawa, Takahisa .................... Disclosed no conflict of interest.

Ogawa, Takeshi ..................... Disclosed no conflict of interest.

Ogawa, Takuya ..................... Disclosed no conflict of interest.

Ogawa, Yuki ....................... Disclosed no conflict of interest.

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Ogunsola, Ayobami ............... Disclosed no conflict of interest.
Oh, Caleb .......................................\textit{Disclosed no conflict of interest.}
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Oh, Daniel S ....................................\textit{Disclosed no conflict of interest.}
Oh, Eunha G ....................................\textit{Disclosed no conflict of interest.}
Oh, Irvin .........................................\textit{Disclosed no conflict of interest.}
Oh, Joo Han ....................................\textit{Disclosed no conflict of interest.}
Oh, Wontaek ....................................\textit{Disclosed no conflict of interest.}
Oh, Yu-Rim ......................................\textit{Disclosed no conflict of interest.}
O'Hara, Nathan ...............................\textit{Disclosed no conflict of interest.}
Ohashi, Yoshifumi .............................\textit{Disclosed no conflict of interest.}
Ohkawara, Bisei ...............................\textit{Disclosed no conflict of interest.}
Ohkoshi, Yasumitsu ...........................\textit{Disclosed no conflict of interest.}
Ohnishi, Hiroki .................................\textit{Disclosed no conflict of interest.}
Ohnishi, Kouhei ...............................\textit{Disclosed no conflict of interest.}
Ohno, Kinji ....................................\textit{Disclosed no conflict of interest.}
Ohori, Tomoki ................................\textit{Disclosed no conflict of interest.}
Ohsako, Masafumi .............................\textit{Disclosed no conflict of interest.}
Ohtake, Shinpei ...............................\textit{Disclosed no conflict of interest.}
Oikawa, Ryunosuke ...........................\textit{Disclosed no conflict of interest.}
Oikawa, Shinya ..............................\textit{Disclosed no conflict of interest.}
Oishi, Ryuta ...................................\textit{Disclosed no conflict of interest.}
Ojaghi, Reza ..................................\textit{Disclosed no conflict of interest.}
Ojanen, Simo .................................\textit{Disclosed no conflict of interest.}
Ojena Quintana, Julio ........................\textit{Disclosed no conflict of interest.}
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Oka, Kunihiro .................................\textit{Disclosed no conflict of interest.}
Oka, Yoshinobu ..............................\textit{Disclosed no conflict of interest.}
Okada, Hiroshi ...............................\textit{Disclosed no conflict of interest.}
Okada, Ryo..........................Disclosed no conflict of interest.
Okada, Seiji..........................Disclosed no conflict of interest.
Okada, Yohei..........................Disclosed no conflict of interest.
Okafor, Eziamaka C. ..................Disclosed no conflict of interest.
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Okano, Teruo..........................4: CellSeed Inc.
Okanouchi, Noriya...................Disclosed no conflict of interest.
Okazaki, Ken..........................Disclosed no conflict of interest.
Okazaki, Yuki..........................Disclosed no conflict of interest.
O'Keefe, Regis J......................8: Journal of Orthopaedic Translation.
O'Keefe, Regis J......................7A: Fate Therapeutics; 8: Journal of Orthopaedic Translation.
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Okinaka, Yuka.........................Disclosed no conflict of interest.
Okpara, Chiebuka......................Disclosed no conflict of interest.
Oktarina, Anastasia..................Disclosed no conflict of interest.
Okundaye, Osatohamwen.............Disclosed no conflict of interest.
Okunuki, Takumi......................Disclosed no conflict of interest.
Okuwaki, Shun.........................Disclosed no conflict of interest.
Oladimeji, Akinola...................Disclosed no conflict of interest.
Oladimeji, Akinola E................Disclosed no conflict of interest.
Olevsky, Levi..........................Disclosed no conflict of interest.
Olinger, Catherine....................2: Globus Medical; 3B: Propio.
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Olinger, Catherine R..................Disclosed no conflict of interest.
Oliveira Barbosa, Shelley.......Disclosed no conflict of interest.
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Olivera Barbosa, Shelley...........Disclosed no conflict of interest.
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Olsen, Evan Disclosed no conflict of interest.
Olson, John D Disclosed no conflict of interest.
Olson, Lucas Disclosed no conflict of interest.
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O'Malley, John Disclosed no conflict of interest.
O'Marr, Jamieson Disclosed no conflict of interest.
O'Meara, Matthew Disclosed no conflict of interest.
Omer, Mahmoud Disclosed no conflict of interest.
Ominsky, Michael Disclosed no conflict of interest.
Omokawa, Shohei Disclosed no conflict of interest.
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O'Neill, Christina 3A: Stryker; 4: Stryker.
O'Neill, Conor Disclosed no conflict of interest.
Ong, Ghee Disclosed no conflict of interest.
Ong, Michael Disclosed no conflict of interest.
Ong, Michael Tim-Yun Disclosed no conflict of interest.
Ongini, Esteban Disclosed no conflict of interest.
Onishi, Eijiro Disclosed no conflict of interest.
Onishi, Kentaro Disclosed no conflict of interest.
Onishi, Shintaro Disclosed no conflict of interest.
Önnerfjord, Patrik Disclosed no conflict of interest.
Ono, Gentaro Disclosed no conflict of interest.
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Oral, Ebru .......................................................... 1: Corin, Iconacy, Renovis, Arthrex, ConforMIS, Meril Healthcare, Exactech; 3B: WL Gore&Assoc; 8: JBMR; 9: SFB, ISTA.

Oral, Ebru .......................................................... 1: Corin, Iconacy, Renovis, Arthrex, ConforMIS, Meril Healthcare, Exactech; 3B: WL Gore & Assoc; 8: JBMR; 9: SFB, ISTA.


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Ordway, Nathaniel R .......................................................... 5: Stryker Spine.

Ordway, Nathaniel R .......................................................... 5: Stryker Spine.

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Ornitz, David .......................................................... Disclosed no conflict of interest.

Ornowski, Jessica .......................................................... Disclosed no conflict of interest.

Orozco, Brianna .......................................................... Disclosed no conflict of interest.

Orozco, Elisabeth .......................................................... Disclosed no conflict of interest.

Orozco, Gustavo A .......................................................... Disclosed no conflict of interest.

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Ortega, Raul S ........................................... Disclosed no conflict of interest.

Ortiz, Santiago ........................................... Disclosed no conflict of interest.

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Ose, Ben ........................................... Disclosed no conflict of interest.

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Oshima, Shugo ........................................... Disclosed no conflict of interest.

Oshima, Yasushi ........................................... Disclosed no conflict of interest.

Oshiro, Hiromichi ........................................ Disclosed no conflict of interest.

Osipov, Benjamin ........................................ Disclosed no conflict of interest.

Ostadi Moghaddam, Amir ................................ Disclosed no conflict of interest.

Ota, Satoshi ........................................... Disclosed no conflict of interest.

Otahal, Alexander ........................................ Disclosed no conflict of interest.

Otalike, Edith ........................................... Disclosed no conflict of interest.

Otani, Shunya ........................................... Disclosed no conflict of interest.

Otero, Miguel ........................................... 4: Jannu Therapeutics.

Otero, Miguel ........................................... 4: Jannu.

Otero, Miguel ........................................... 8: Jannu Therapeutics.

O'Toole, Robert ........................................... Disclosed no conflict of interest.

Ottley, Alessandra ........................................ Disclosed no conflict of interest.

Ottone, Olivia K ........................................... Disclosed no conflict of interest.

Ottone, Olivia K ........................................... Disclosed no conflict of interest.

Ottone, Olivia K ........................................... Disclosed no conflict of interest.

Otto, Cees .................................................. 3A: HybriScan Technologies.

Ottone, Olivia K ........................................... Disclosed no conflict of interest.

Ouchida, Jun ........................................... Disclosed no conflict of interest.

Ouellet, Jean ........................................... Disclosed no conflict of interest.

Outerleys, Jereme ........................................ 3B: Theia Markerless Inc.

Outerleys, Jereme ........................................ 3A: Theia Markerless Inc.

Ouyang, Yuxin ........................................... Disclosed no conflict of interest.

Owen, John ........................................... Disclosed no conflict of interest.

Owen, John ........................................... Disclosed no conflict of interest.

Owen, Trevor ........................................... Disclosed no conflict of interest.
Owens, Ashley ..................\(\text{Disclosed no conflict of interest.}\)

Owens, Brett D .................\(\text{Disclosed no conflict of interest.}\)

Owhonda, Rebisi ...............\(\text{Disclosed no conflict of interest.}\)

Owings, Tammy .................\(\text{Disclosed no conflict of interest.}\)


Oxland, Thomas ..................\(\text{Disclosed no conflict of interest.}\)

Oyebamiji, Omolabake ........\(\text{Disclosed no conflict of interest.}\)

Oyekan, Anthony ...............\(\text{Disclosed no conflict of interest.}\)

Ozaki, Grant .....................\(\text{Disclosed no conflict of interest.}\)

Ozaki, Kazuki ...................\(\text{Disclosed no conflict of interest.}\)

Ozaki, Tomoya ..................\(\text{Disclosed no conflict of interest.}\)

Ozaki, Toshifumi ...............\(\text{Disclosed no conflict of interest.}\)

Ozawa, Yuto .....................\(\text{Disclosed no conflict of interest.}\)

Özbek, Emre A .................\(\text{Disclosed no conflict of interest.}\)

Özbek, Emre Anil ...............\(\text{Disclosed no conflict of interest.}\)

Ozeki, Nobutake ................\(\text{Disclosed no conflict of interest.}\)

Ozkan, Didem ...................\(\text{Disclosed no conflict of interest.}\)

Ozkan, Esin ......................\(\text{Disclosed no conflict of interest.}\)

Ozkan, Huseyin .................\(\text{Disclosed no conflict of interest.}\)

Ozmer, Garett ..................\(\text{Disclosed no conflict of interest.}\)

Paakkari, Petri .................\(\text{Disclosed no conflict of interest.}\)

Paakkonen, Tommi .............\(\text{Disclosed no conflict of interest.}\)

Pacheco, Marguerite A ........\(\text{Disclosed no conflict of interest.}\)

Pacheco, Yan Carlos ..........\(\text{Disclosed no conflict of interest.}\)

Pacholczyk, Rafal .............\(\text{Disclosed no conflict of interest.}\)

Pacicca, Donna .................\(\text{9: ORS Public Outreach Committee.}\)

Pacifici, Maurizio .............\(\text{Disclosed no conflict of interest.}\)

Padgett, Elexis .................\(\text{Disclosed no conflict of interest.}\)

Padmanabhan, Vasantha .......\(\text{Disclosed no conflict of interest.}\)

Padovano, William ..........\(\text{Disclosed no conflict of interest.}\)
Pagadala, Manasa .......................... Disclosed no conflict of interest.
Pagan, Cale .............................. Disclosed no conflict of interest.
Paggi, Carlo Alberto ...................... Disclosed no conflict of interest.
Paggiosi, Margaret ........................ Disclosed no conflict of interest.
Paglia, David .............................. Disclosed no conflict of interest.
Pagon, Athena D .......................... Disclosed no conflict of interest.
Paik, Caroline ............................ Disclosed no conflict of interest.
Paladino, Lucas .......................... Disclosed no conflict of interest.
Pallas, Brooke D .......................... Disclosed no conflict of interest.
Palma, Joaquin ............................ Disclosed no conflict of interest.
Palmer, Ryan .............................. Disclosed no conflict of interest.
Palmieri-Smith, Riann M ............... Disclosed no conflict of interest.
Palomba, Roberto .......................... Disclosed no conflict of interest.
Pan, Ge ................................. Disclosed no conflict of interest.
Pan, Haiying .............................. Disclosed no conflict of interest.
Pan, Xiaochuan ........................... Disclosed no conflict of interest.
Pan, Yonghao .............................. Disclosed no conflict of interest.
Pan, Zheyu ................................. Disclosed no conflict of interest.
Panchbhavi, Vinod ........................ Disclosed no conflict of interest.
Pancheri, Nicholas ........................ Disclosed no conflict of interest.
Pancheri, Nicholas M ........................ Disclosed no conflict of interest.
Pandya, Aadi .............................. Disclosed no conflict of interest.
Panebianco, Christopher ............... Disclosed no conflict of interest.
Panebianco, Christopher J .............. Disclosed no conflict of interest.
Papandrea, Rick F .......................... 3B: Exactech, Inc.
Pape, John ................................. Disclosed no conflict of interest.
Parada, Stephen ..........................3B: Exactech, Inc.

Parameswaran, Narayan ...........Disclosed no conflict of interest.

Paranjape, Chinmay S. ............Disclosed no conflict of interest.

Paraskevaidis, Melissa ..........Disclosed no conflict of interest.


Parides, Michael ..................Disclosed no conflict of interest.

Parisien, Ariane ....................Disclosed no conflict of interest.


Park, Ahyoung .....................3B: Stryker, Arthrex, Amplify, Orthofix, Medynus, Kuros; 4: Johnson and Johnson, Surgalign; 9: AAOS, CSRS, LSRS.

Park, Christine ....................Disclosed no conflict of interest.

Park, Daniel .......................3B: Stryker, Arthrex, Amplify, Orthofix, Medynus, Kuros; 4: Johnson and Johnson, Surgalign; 9: AAOS, CSRS, LSRS.

Park, GaYoung .....................Disclosed no conflict of interest.

Park, Hee Jung .....................Disclosed no conflict of interest.

Park, Hyeon .......................3A: Hyeon Park; 4: Hyeon Park.

Park, Hyung-Youl ..................Disclosed no conflict of interest.

Park, Jung-Wee .....................Disclosed no conflict of interest.

Park, Ki-Bong ......................Disclosed no conflict of interest.

Park, Kwan J .......................3B: Zimmer Biomet Inc.

Park, Kwang Hwan .................Disclosed no conflict of interest.

Park, Kwang-Hwan .................Disclosed no conflict of interest.

Park, Nancy .......................Disclosed no conflict of interest.

Park, Peter .........................Disclosed no conflict of interest.

Park, Sang-Hyun ..................Disclosed no conflict of interest.

Park, Sun H .......................Disclosed no conflict of interest.

Park, Sunwha .....................Disclosed no conflict of interest.
Park, Yoojin ....................... Disclosed no conflict of interest.
Park-Min, Kyung-Hyun ......... Disclosed no conflict of interest.
Parmanto, Bambang .......... Disclosed no conflict of interest.
Parola, Lauren R ............... Disclosed no conflict of interest.
Parreno, Justin ................. Disclosed no conflict of interest.
Parsons, Agata .................. Disclosed no conflict of interest.
Parsons, Emma .................. Disclosed no conflict of interest.
Parsons, Jake ................... Disclosed no conflict of interest.
Parsons, Moby .................. 3B: Exactech, Inc.
Parvaze, Suhail P ............... Disclosed no conflict of interest.
Parvaze, Suhail P. .............. Disclosed no conflict of interest.
Parvizi, Javad ................... Disclosed no conflict of interest.
Paschall, Lauren ............... Disclosed no conflict of interest.
Paschos, Nikolaos .............. Disclosed no conflict of interest.
Pascoletti, Giulia ............... Disclosed no conflict of interest.
Pascual, Jaylon .................. Disclosed no conflict of interest.
Pascual-Garrido, Cecilia ........ 5: OREF, NIH.
Paskoff, Glenn .................. Disclosed no conflict of interest.
Passos-Bueno, Maria Rita ...... Disclosed no conflict of interest.
Pastukh, Vasyl .................. Disclosed no conflict of interest.
Pasurka, Mario .................. Disclosed no conflict of interest.
Paszek, Matthew ............... Disclosed no conflict of interest.
Pataky, Joshua .................. Disclosed no conflict of interest.
Patel, Ankit .................... Disclosed no conflict of interest.
Patel, Bhavik ................... Disclosed no conflict of interest.
Patel, Dil V ..................... Disclosed no conflict of interest.
Patel, Hershil .................. Disclosed no conflict of interest.
Patel, Ishani .................... Disclosed no conflict of interest.
Patel, Ishani K .................. Disclosed no conflict of interest.
Patel, Jay ................................3B: NovoPedics; 4: Novopedics, Forsagen.

Patel, Jay ................................3B: NovoPedics Inc.; 4: Novopedics Inc., Forsagen LLC.

Patel, Jay M ............................3B: NovoPedics Inc.; 4: Novopedics Inc., Forsagen LLC.

Patel, Jhillika .........................Disclosed no conflict of interest.

Patel, Kavisha ..........................Disclosed no conflict of interest.

Patel, Milan R ..........................Disclosed no conflict of interest.

Patel, Parth .............................Disclosed no conflict of interest.

Patel, Rohan R ..........................Disclosed no conflict of interest.

Patel, Seema ...........................Disclosed no conflict of interest.

Patel, Soniya ...........................Disclosed no conflict of interest.

Patel, Urvi J ............................Disclosed no conflict of interest.

Patel, Vijay ................................Disclosed no conflict of interest.

Patel, Vikas ............................Disclosed no conflict of interest.

Pathak, Arvind ..........................Disclosed no conflict of interest.

Pathak, Arvind P ........................Disclosed no conflict of interest.

Pathak, Neil ............................Disclosed no conflict of interest.

Pathak, Suraj ...........................Disclosed no conflict of interest.

Pathak, Suraj J ..........................Disclosed no conflict of interest.

Pathrikar, Tanvi V. ......................Disclosed no conflict of interest.

Pathrikar, Tanvi Vinod ..................Disclosed no conflict of interest.

Patil, Chetan ...........................Disclosed no conflict of interest.

Patil, Shantanu S .......................Disclosed no conflict of interest.

Paton, Kat ..............................Disclosed no conflict of interest.

Patrick, Matthew ......................Disclosed no conflict of interest.

Patterson, Brooke ......................Disclosed no conflict of interest.

Patterson, Joseph ......................2: Honoraria from AO North America; 3B: Johnson & Johnson; 5: Research Support from AO North America; 9: Committee Membership with Orthopaedic Trauma Association.
Patterson, Joseph T .................. 2: Honoraria from AO North America; 3B: Johnson & Johnson; 5: Research Support from AO North America; 9: Committee Membership with Orthopaedic Trauma Association.

Patterson, Joseph T .................. 3B: Johnson and Johnson; 5: AO North America; 9: Orthopaedic Trauma Association.

Pattisapu, Naveen .................... Disclosed no conflict of interest.

Paudel, Sharada ...................... Disclosed no conflict of interest.

Paulus, Megan ........................ 7A: Redpoint Medical, Arthrex.

Paulus, Paige .......................... Disclosed no conflict of interest.

Pauly, Kyle .......................... Disclosed no conflict of interest.

Pavão, Douglas Mello ............. Disclosed no conflict of interest.

Pavlesen, Sonja ....................... Disclosed no conflict of interest.

Payne Landgrave, Samantha ..... Disclosed no conflict of interest.

Payne, Ashley ....................... Disclosed no conflict of interest.

Payne, Ashley N ........................ Disclosed no conflict of interest.

Payne, Cole T ........................ Disclosed no conflict of interest.

Payne, Karin .......................... Disclosed no conflict of interest.

Paz, Jaime .......................... Disclosed no conflict of interest.

Peach, Chris .......................... 3B: Exactech, Inc.

Pean, Christian ........................ Disclosed no conflict of interest.

Pearle, Andrew ........................ 1: Zimmer Biomet; 3B: Depuy, Exactech, Medical Device Business Services, Smith & Nephew, Stryker, Zimmer Biomet; 4: Engage Surgical, Knee Guardian, PerfectFit, Thermal1, MyGemini; 6: Arthrex.


Pearson, Zachary ....................... Disclosed no conflict of interest.
Pechstein, Andrew E. Disclosed no conflict of interest.
Peckham, Steve 3B: Steve Peckham; 4: Steve Peckham.
Pedaprolu, Krishna Disclosed no conflict of interest.
Peden, Sean C. Disclosed no conflict of interest.
Pedoia, Valentina Disclosed no conflict of interest.
Pedroza, Angela Disclosed no conflict of interest.
Peersman, Geert Disclosed no conflict of interest.
Peeters, Laura Disclosed no conflict of interest.
Peeters, Laura C.W. Disclosed no conflict of interest.
Peffers, Mandy Disclosed no conflict of interest.
Pei, Ming Disclosed no conflict of interest.
Pekas, Devon Disclosed no conflict of interest.
Pekas, Devon R Disclosed no conflict of interest.
Pellegrini, Caroline Disclosed no conflict of interest.
Pelletier, Matthew H Disclosed no conflict of interest.
Pellicore, Matthew J Disclosed no conflict of interest.
Peloquin, John Disclosed no conflict of interest.
Pelton, Alan 3A: G.RAU Inc.
Pelton, Sean 3A: G.RAU Inc.
Pember, Bryce Disclosed no conflict of interest.
Pendleton, Diana Disclosed no conflict of interest.
Peng, Guoxuan Disclosed no conflict of interest.
Peng, Hongcheng Disclosed no conflict of interest.
Peng, Wuxun Disclosed no conflict of interest.
Peng, Yifan Disclosed no conflict of interest.
Peng, Ying Disclosed no conflict of interest.
Penman, Samantha Disclosed no conflict of interest.
Penney, Brian Disclosed no conflict of interest.
Pennington, Rebecca Disclosed no conflict of interest.
Peralta-Herrera, Eduardo Disclosed no conflict of interest.
Percin, Brittany ..........................Disclosed no conflict of interest.
Pereira, Gavin ..................................2: Avitus, MTF(Musculoskeletal Transplant Foundation); 3B: Stryker, Medacta, KCI; 6: Glaxo-Smith-Klien, Zimmer.
Pereira, Renata ..........................Disclosed no conflict of interest.
Perez, Olivia F. ..........................Disclosed no conflict of interest.
Perez, Ronald ..........................Disclosed no conflict of interest.
Perez-Montemayor, David .......Disclosed no conflict of interest.
Pernevik, Elin ..........................Disclosed no conflict of interest.
Perrone, Mattia ..........................Disclosed no conflict of interest.
Perry, Kevin I ..........................3B: DePuy Synthes.
Perry, Michael R ..........................Disclosed no conflict of interest.
Persad, Lomas S ..........................Disclosed no conflict of interest.
Persky, Molly ..........................Disclosed no conflict of interest.
Persons, Andrea K. ..........................Disclosed no conflict of interest.
Perumal, Govindaraj ..........................Disclosed no conflict of interest.
Pervez, Rida ..........................Disclosed no conflict of interest.
Pescatore, Sabrina ..........................Disclosed no conflict of interest.
Pescatore, Sabrina M ..........................Disclosed no conflict of interest.
Pesonen, Nina ..........................Disclosed no conflict of interest.
Petchprapa, Catherine ..........................Disclosed no conflict of interest.
Peterfy, Charles ..........................3A: Spire Sciences Inc.
Peters, James R ..........................Disclosed no conflict of interest.
Peters, Jet ..........................Disclosed no conflict of interest.
Peters, Sarah ..........................Disclosed no conflict of interest.
Petersen, Courtney ..........................Disclosed no conflict of interest.
Petersen, Courtney A ..........................Disclosed no conflict of interest.
Petersen, Emily ..........................Disclosed no conflict of interest.
Petersen, Kristian K ..........................Disclosed no conflict of interest.
Peterson, Andrew ..........................Disclosed no conflict of interest.
Peterson, Andrew C. Disclosed no conflict of interest.
Peterson, Andrew C. Disclosed no conflict of interest.
Peterson, Asa Disclosed no conflict of interest.
Peterson, Brandon T. Co-founder of FleX Orthopaedics, Inc.
Peterson, Brandon T. FleX Orthopaedics Inc.
Peterson, Brandon T. FleX Orthopedics.
Peterson, Danielle Disclosed no conflict of interest.
Peterson, Thomas Disclosed no conflict of interest.
Petit, Logan Disclosed no conflict of interest.
Petralia, Giuseppe Disclosed no conflict of interest.
Petretta, Mauro Disclosed no conflict of interest.
Petrigliano, Frank Disclosed no conflict of interest.
Petrigliano, Frank A. Disclosed no conflict of interest.
Petrovsky, Grant Disclosed no conflict of interest.
Petrov, Dmitriy Disclosed no conflict of interest.
Pettinelli, Nicholas Disclosed no conflict of interest.
Pfaff, Andreas 3A: Aesculap AG Tuttlingen, Germany.
Pfaff, Morgan Disclosed no conflict of interest.
Pfeffer, Glenn Disclosed no conflict of interest.
Pfeffer, Glenn B Disclosed no conflict of interest.
Pfeil, Allyson N. Disclosed no conflict of interest.
Pferdehirt, Lara ORS Social Media Committee.
Pflug, Emily Disclosed no conflict of interest.
Pham, Christine T.N. Disclosed no conflict of interest.
Pham, Frank Disclosed no conflict of interest.
Pham, Jessica Disclosed no conflict of interest.
Pham, Kendra E. Disclosed no conflict of interest.
Pham, Nathalie Disclosed no conflict of interest.
Pham, Nicole Disclosed no conflict of interest.
Pham, Thien Disclosed no conflict of interest.
Pham, Vy ..............................Disclosed no conflict of interest.

Phan, Lisa ........................................Disclosed no conflict of interest.

Phanstiel, Otto ..........................Disclosed no conflict of interest.

Philippi, Matthew ..........................Disclosed no conflict of interest.


Philippon, Marc .............................1: Smith & Nephew, Ossur, Arthrex and Siemens; 4: Arthrosurface, MJP Innovations, MIS, EffRx, Olatec, iBalance, Stryker, 3M, Bristol Myers Squibb, Pfizer, AbbVie and Johnson & Johnson.

Philippon, Marc J ............................1: Arthrosurface: IP royalties; Arthrosurface, MIS, MJP Innovations, SLACK Incorporated, Elsevier: Publishing royalties; 3B: Smith and Nephew: Paid consultant; Ossur: Paid consultant; Arthrex: Paid consultant; Siemens: Paid consultant; 8: International Society for Hip Arthroscopy: Board or committee member; AOSSM: Board or committee member; 9: Vail Valley Surgery Center Governing Council: Board or committee member; Steadman Philippon Research Institute: Board or committee member.

Philippon, Marc J ............................1: Arthrex, Inc: IP royalties; Arthrosurface: IP royalties; Arthrosurface, MIS, MJP Innovations; 3B: Smith and Nephew: Paid consultant; Ossur: Paid consultant; Arthrex: Paid consultant; Siemens: Paid consultant; 8: International Society for Hip Arthroscopy: Board or committee member; AOSSM: Board or committee member; 9: Vail Valley Surgery Center Governing Council: Board or committee member; Steadman Philippon Research Institute: Board or committee member.

Philippon, Marc J ............................1: Arthrex, Inc: IP royalties; Arthrosurface: IP royalties; Arthrosurface, MIS, MJP Innovations; 3B: Smith and Nephew: Paid consultant; Ossur: Paid consultant; Arthrex: Paid consultant; Siemens: Paid consultant; 8: International Society for Hip Arthroscopy: Board or committee member; AOSSM: Board or committee member; 9: Vail Valley Surgery Center Governing Council: Board or committee member; Steadman Philippon Research Institute: Board or committee member.

Philippon, Marc J ............................1: Arthrex, Inc: IP royalties; Arthrosurface: IP royalties; Arthrosurface, MIS, MJP Innovations; 3B: Smith and Nephew: Paid consultant; Ossur: Paid consultant; Arthrex: Paid consultant; Siemens: Paid consultant; 8: International Society for Hip Arthroscopy: Board or committee member; AOSSM: Board or committee member; 9: Vail Valley Surgery Center Governing Council: Board or committee member; Steadman Philippon Research Institute: Board or committee member; Vail Health Services: Board or committee member.
Philippon, Marc J.ốnounced no conflict of interest.

Phillips, Andrew  Disclosure no conflict of interest.

Phillips, Andrew R.Disclosure no conflict of interest.

Phillips, Frank M.Disclosure no conflict of interest.

Phillips, MatthewDisclosure no conflict of interest.

Phillips, SenecaDisclosure no conflict of interest.

Phillips, TessaDisclosure no conflict of interest.

Phillips, ToddDisclosure no conflict of interest.

Phippen, Colton M.Disclosure no conflict of interest.

Piacentini, AlexanderDisclosure no conflict of interest.

Piacentini, Alexander NDisclosure no conflict of interest.

Piarulli, LuigiDisclosure no conflict of interest.

Piasecki, AndrewDisclosure no conflict of interest.

Pichai, SuryanarayanDisclosure no conflict of interest.

Pichler, MonikaDisclosure no conflict of interest.

Picton, BryceDisclosure no conflict of interest.

Pierce, Kirk CDisclosure no conflict of interest.

Pierce, RachelDisclosure no conflict of interest.

Piet, JudithDisclosure no conflict of interest.

Pietrosimone, BrianDisclosure no conflict of interest.
Pietrosimone, Brian

Pietrosimone, Brian 3A: President and Cofounder of Vetta Solutions Inc.

Pietrosimone, Brian 9: President and Cofounder of Vetta Solutions Inc.

Pijls, Bart Disclosed no conflict of interest.

Pineda Guzman, Roberto Disclosed no conflict of interest.

Pinto Peixoto, Lourenço Disclosed no conflict of interest.

Pinto, Otávio T Disclosed no conflict of interest.

Pinzon-Betancourt, Gabriela Disclosed no conflict of interest.

Pioletti, Dominique Flowbone SA.

Pipitone, Paul S Disclosed no conflict of interest.

Piple, Amit Disclosed no conflict of interest.

Piponov, Hristo Disclosed no conflict of interest.

Pippin, James A Disclosed no conflict of interest.

Pitacco, Pierluca Disclosed no conflict of interest.

Pitcairn, Samuel Disclosed no conflict of interest.

Pitcher, Michaela Disclosed no conflict of interest.

Pitelka, Vasek Disclosed no conflict of interest.

Pitsillides, Andrew A Disclosed no conflict of interest.

Pitsillides, Andrew A Disclosed no conflict of interest.

Pittman, Frank Disclosed no conflict of interest.


Plaas, Anna ..........................Disclosed no conflict of interest.

Plank, Christian ..........................3A: Ethris GmbH.

Plano Clark, Vicki ..........................Disclosed no conflict of interest.

Plastow, Ricci ..........................Disclosed no conflict of interest.

Pleshko, Nancy ..........................Disclosed no conflict of interest.

Ploeg, Heidi-Lynn ..........................Disclosed no conflict of interest.

Plotkin, Lilian I ..........................Disclosed no conflict of interest.

Poehling, Gary ..........................Disclosed no conflict of interest.

Poeran, Jashvant ..........................8: Clinical Orthopaedics and Related Research.

Pohl, Christopher ..........................Disclosed no conflict of interest.

Pohl, Nicholas ..........................Disclosed no conflict of interest.

Pöhle, Georg ..........................Disclosed no conflict of interest.

Poirras, Stéphane ..........................Disclosed no conflict of interest.

Polain, Claire ..........................Disclosed no conflict of interest.

Polakovic, Sandrine ..........................3A: Exactech.

Polakovic, Sandrine ..........................3A: Exactech, Inc.

Poland, Michael ..........................Disclosed no conflict of interest.

Polio, William ..........................Disclosed no conflict of interest.

Polkowski, Gregory ..........................3B: Enovis; 9: Board Member AAHKS.

Polkowski, Gregory ..........................1: Enovis; 3B: Enovis; 9: Board Member AAHKS.

Pollok, Karen E ..........................Disclosed no conflict of interest.

Polster, Joshua ..........................4: Mediphy.

Polus, Jennifer ..........................Disclosed no conflict of interest.

Pomeroy, Armin W ..........................Disclosed no conflict of interest.

Pompo, Isaiah A ..........................Disclosed no conflict of interest.

Ponce, Kortney A ..........................Disclosed no conflict of interest.

Ponjevic, Dragana ..........................Disclosed no conflict of interest.
Poon, Selina ..................................2: Orthopediatrics, Medtronic Spine, Depuy synthes; 8: POSNA, RJOS, AAOS Now.

Poondi, Govardhan ..........................Disclosed no conflict of interest.

Pooshidani, Yasaman ..........................3A: Biomomentum Inc.

Popchak, Adam ..........................Disclosed no conflict of interest.

Popchak, Adam J ..........................Disclosed no conflict of interest.

Popoff, Steven ..........................Disclosed no conflict of interest.

Porter, Annie ..........................Disclosed no conflict of interest.

Porter, Evan ..........................Disclosed no conflict of interest.

Porter, Giselle ..........................Disclosed no conflict of interest.

Porter, Ryan ..........................Disclosed no conflict of interest.

Porto, Sarah ..........................Disclosed no conflict of interest.

Post, Corine ..........................Disclosed no conflict of interest.

Potluri, Tanvi ..........................Disclosed no conflict of interest.

Potra, Robert ..........................3A: Mathys Medical.


Potter, Hollis G ..........................Disclosed no conflict of interest.

Potter, Ryan S ..........................Disclosed no conflict of interest.

Pourmodheji, Reza ..........................Disclosed no conflict of interest.

Pourzal, Robin ..........................5: Stryker, Zimmer Biomet; 8: Biotribology.


Pourzal, Robin ..........................5: Stryker, Zimmer-Biomet; 8: Biotribology.

Pourzal, Robin ..........................5: Zimmer Biomet, Stryker.

Power, Rachael ..........................Disclosed no conflict of interest.

Power, Rachael N ..........................Disclosed no conflict of interest.

Power, Rachael N ..........................Disclosed no conflict of interest.

Pozzi, Ambra ..........................Disclosed no conflict of interest.
Pradhan, Gourango..............Disclosed no conflict of interest.
Pradhan, Pratik.....................Disclosed no conflict of interest.
Prado, Maria.......................Disclosed no conflict of interest.
Prajapati, Megh...................Disclosed no conflict of interest.
Preiss, Stefan..............Disclosed no conflict of interest.
Premkumar, Ajay........Disclosed no conflict of interest.
Pressman, Zachary........Disclosed no conflict of interest.
Preston, Sarah................Disclosed no conflict of interest.
Price, Christopher............Disclosed no conflict of interest.
Priddy, Lauren................Disclosed no conflict of interest.
Priddy, Lauren B...............5: Medtronic, Inc.
Priddy, Matthew W.............Disclosed no conflict of interest.
Pride, Michael C...............Disclosed no conflict of interest.
Pridemore, Josh................Disclosed no conflict of interest.
Provencher, Matthew T.........1: Arthrex, Arthrosurface; 3B: Arthrex, Inc, Allosource (JRF); 5: Arthrex, Inc; 7B: Elsevier, SLACK; 8: AAOS, AOSSM, ASES, Arthroscopy, AANA, ISAKOS, Knee, Orthopedics, San Diego Shoulder Institute, SLACK, SOMOS.

Prue, Jennifer ......................................Disclosed no conflict of interest.

Pruneski, James ......................................Disclosed no conflict of interest.

PS, Ashok Kumar ......................................Disclosed no conflict of interest.

Pucha, Saitheja A ......................................Disclosed no conflict of interest.

Puente Reyna, Ana Laura ....................3A: Aesculap AG Tuttlingen, Germany.

Puetzer, Jenny ......................................Disclosed no conflict of interest.

Pugely, Andrew ......................................3B: Medtronic, Globus Medical, United Healthcare; 5: Medtronic, Globus Medical, RDB Bioinformatics; 6: Globus Medical; 8: Clinical Orthopaedics and Related Research.


Pumberger, Matthias ..........................2: Medtronic, Aesculap AG, Silony, Stryker; 3B: Medtronic, Stryker; 9: BVOU.

Punati, Ritvik S ......................................Disclosed no conflict of interest.

Puri, Simarjeet ......................................Disclosed no conflict of interest.

Puthia, Manoj ......................................Disclosed no conflict of interest.

Putra, Vina DL ......................................Disclosed no conflict of interest.

Puvanesarajah, Varun ..........................Disclosed no conflict of interest.

Puviindran, Vijitha ......................................Disclosed no conflict of interest.

Pyra-Nolte, Laura ......................................Disclosed no conflict of interest.

Pyra-Nolte, Laura J ......................................Disclosed no conflict of interest.

Qian, Xiangyu ......................................Disclosed no conflict of interest.

Qiao, Zhen ......................................Disclosed no conflict of interest.

Qin, Ling ......................................Disclosed no conflict of interest.

Qin, Qizhi ......................................Disclosed no conflict of interest.

Qin, Xiaofei ......................................3A: LifeNet Health.

Qiu, Chenhu ......................................Disclosed no conflict of interest.

Qu, Feini ......................................Disclosed no conflict of interest.

Quarto, Natalina ......................................Disclosed no conflict of interest.
Quatman, Carmen ...................... Disclosed no conflict of interest.
Queen, Robin .......................... 7B: JOR; 8: JOR; 9: ORS, ASB, ACSM.
Queen, Robin .......................... 9: ORS Board of Directors.
Quevedo Gonzalez, Fernando ... 1: Lima Corp.; 6: Zimmer Biomet.
Quevedo Gonzalez, Fernando ... 7A: Limacorporate, Zimmer Biomet.
Quevedo Gonzalez, Fernando ... 1: Lima Corporate; 5: Zimmer Biomet.
Quevedo Gonzalez, Fernando J. 7A: Limacorp, Zimmer Biomet.
Quinonez, Diana ...................... Disclosed no conflict of interest.
Quirion, Julia .......................... Disclosed no conflict of interest.
Quirk, David Adam .................... Disclosed no conflict of interest.
Qureshi, Sheeraz ...................... Disclosed no conflict of interest.
R Oxland, Thomas .................... Disclosed no conflict of interest.
Raad, Micheal .......................... Disclosed no conflict of interest.
Rachala, Sridhar ...................... Disclosed no conflict of interest.
Rademakers, Timo .................... Disclosed no conflict of interest.
Radford, Zachary J ................... Disclosed no conflict of interest.
Radovitzky, Raul ...................... Disclosed no conflict of interest.
Radulovic, Jovana ..................... Disclosed no conflict of interest.
Radulski, Mariana .................... Disclosed no conflict of interest.
Rafieian, Saba .......................... Disclosed no conflict of interest.
Ragbirsingh, Dana D. ................ Disclosed no conflict of interest.
Raggio, Cathleen ...................... Disclosed no conflict of interest.
Raghuram, Akshay .................... Disclosed no conflict of interest.
Rahimi, Homaira ...................... Disclosed no conflict of interest.
Rahman, Abdul ...................... Disclosed no conflict of interest.
Rahman, Omar .......................... 3B: Arthrex.
Rahmati, Maryam ...................... Disclosed no conflict of interest.
Rai, Ajinkya .......................... Disclosed no conflict of interest.
Rai, Jyoti .............................................. Disclosed no conflict of interest.
Raiford, Mattie .............................................. Disclosed no conflict of interest.
Raikar, Rohan-Ashutosh H. ...................... Disclosed no conflict of interest.
Raina, Deepak .............................................. Disclosed no conflict of interest.
Rainbolt, Joshua .............................................. Disclosed no conflict of interest.
Raj, Piyush .............................................. Disclosed no conflict of interest.
Rajabzadeh-Oghaz, Hamidreza. ........ 3A: Exactech, Inc.
Rajabzadeh-Oghaz, Hamidreza. ........ 3A: Exactech.
Rajagopal, Karthikeyan ...................... Disclosed no conflict of interest.
Rajagopal, Phranav ...................... Disclosed no conflict of interest.
Rajapakse, Chamith ...................... Disclosed no conflict of interest.
Rajaram, Sakthivel R ...................... Disclosed no conflict of interest.
Rajjoub, Rami ...................... Disclosed no conflict of interest.
Rajpar, Ibtesam .............................. Disclosed no conflict of interest.
Rajput, Vishal ...................... Disclosed no conflict of interest.
Rakhra, Kawan S ...................... Disclosed no conflict of interest.
Raleigh, Aimee R ...................... Disclosed no conflict of interest.
Raleigh, Matthew ...................... Disclosed no conflict of interest.
Ralph, Julia E ...................... Disclosed no conflict of interest.
Ramadan, Ahmed ...................... Disclosed no conflict of interest.
Ramappa, Arun ...................... Disclosed no conflict of interest.
Ramesh, Sowmya Disclosed no conflict of interest.
Ramil, Gabriella Disclosed no conflict of interest.
Ramirez, Carolina Disclosed no conflict of interest.
Ramirez-Perez, Sergio Disclosed no conflict of interest.
Ramnath, Shrey Disclosed no conflict of interest.
Ramos, David H Disclosed no conflict of interest.
Ramos-Rodriguez, David H Disclosed no conflict of interest.
Ramraj, Raghav Disclosed no conflict of interest.
Ramsay, Tim Disclosed no conflict of interest.
Ramteke, Pranay Disclosed no conflict of interest.
Rana, Diksha Disclosed no conflict of interest.
Ranabhat, Raj Kumar Disclosed no conflict of interest.
Ranat, Kunal Disclosed no conflict of interest.
Rancu, Albert Disclosed no conflict of interest.
Randall, R. Lor Disclosed no conflict of interest.
Randolph, Mark Disclosed no conflict of interest.
Randolph, Mark A. Disclosed no conflict of interest.
Ranga, Sidharth Disclosed no conflict of interest.
Ranganathan, Sruthi Disclosed no conflict of interest.
Rangwalla, Khuzaima Disclosed no conflict of interest.
Raniga, Sumit 5: Mathys Medical, Medacta, B.Braun.
Ranzenigo, Anna Disclosed no conflict of interest.
Rao, Varun Disclosed no conflict of interest.
Rao, Ying Disclosed no conflict of interest.
Rapaport, Sarah Disclosed no conflict of interest.
Rasche, Volker Disclosed no conflict of interest.
Rashidi, Neda Disclosed no conflict of interest.
Rashidifard, Christopher H 3B: Zimmer Biomet.
Raskin, David Disclosed no conflict of interest.
Rasquinha, Rhea Disclosed no conflict of interest.
Rasti, Mozhgan
 disclosed no conflict of interest.

Raterman, Brian
 disclosed no conflict of interest.

Ratnasamy, Philip
 disclosed no conflict of interest.

Ratnasamy, Philip P
 disclosed no conflict of interest.

Rauch, Frank
 disclosed no conflict of interest. 5: Mesentech.

Rauck, Ryan
 disclosed no conflict of interest.

Raval, Girindra
 disclosed no conflict of interest.

Ravuri, Sudheer
 disclosed no conflict of interest.

Rawlinson, Jeremy J
 disclosed no conflict of interest. 3A: Medtronic; 4: Medtronic.

Raya, Jose
 disclosed no conflict of interest.

Rayavara Veerabhadraiah, Shivakumar
 disclosed no conflict of interest.

Raymond-Pope, Christiana J
 disclosed no conflict of interest.

Razavi, Mehdi
 disclosed no conflict of interest.

Razi, Afshin E.
 disclosed no conflict of interest.

Reals, Rebecca F.
 disclosed no conflict of interest.

Red, Kiersten
 disclosed no conflict of interest.

Redden, James
 disclosed no conflict of interest.

Redden, James T
 disclosed no conflict of interest.

Redding, Stephen
 disclosed no conflict of interest.

Reddy, Akhil
 disclosed no conflict of interest.

Reddy, Rajiv
 disclosed no conflict of interest.

Reddy, Ravali
 disclosed no conflict of interest.

Redlich, Christian
 disclosed no conflict of interest.

Redmond, Jerald
 disclosed no conflict of interest. 3A: Medtronic, Inc.; 4: Medtronic, Inc.

Redmond, Justin
 disclosed no conflict of interest.

Redmond, Robert W
 disclosed no conflict of interest.

Redondo, Kaitlyn
 disclosed no conflict of interest.

Reed, Timothy
 disclosed no conflict of interest.

Reesink, Heidi
 disclosed no conflict of interest.

Regner, Alexander
 disclosed no conflict of interest.
Reicha, John .................. *Disclosed no conflict of interest.*

Reid, J. Spence .................. 3B: Consultant for Depuy-Synthes and Osteocentric.

Reid, J. Spence .................. 3B: Paid consultant for Depuy-Synthes and Osteocentric.

Reilly, Peter .................. *Disclosed no conflict of interest.*

Reimann, Lotta .................. *Disclosed no conflict of interest.*

Reina, Nicolas .................. 1: Aesculap AG Tuttlingen, Germany.

Reiner, Tori .................. *Disclosed no conflict of interest.*

Reine, Emily .................. *Disclosed no conflict of interest.*

Reis Damasceno Neto, Renir ..... *Disclosed no conflict of interest.*

Reisdorf, Ramona .................. *Disclosed no conflict of interest.*

Reisdorf, Ramona .................. *Disclosed no conflict of interest.*

Reiter, Alex .................. *Disclosed no conflict of interest.*

Reisdrof, Ramona .................. *Disclosed no conflict of interest.*

Remlinger, Nathaniel T .................. 3A: Pinnacle Transplant Technologies, LLC.

Ren, Yinshi .................. *Disclosed no conflict of interest.*

Ren, Youliang .................. *Disclosed no conflict of interest.*

Ren, Yunke .................. *Disclosed no conflict of interest.*

Rendahl, Aaron .................. *Disclosed no conflict of interest.*

Rentsch, Ana .................. *Disclosed no conflict of interest.*

Repp, Sierra L .................. 3A: Acumed.

Requist, Melissa R ................. *Disclosed no conflict of interest.*

Restrepo Mejia, Mateo .......... *Disclosed no conflict of interest.*

Retzky, Julia .................. *Disclosed no conflict of interest.*

Retzky, Julia S ................. *Disclosed no conflict of interest.*

Reuter, Jack .................. *Disclosed no conflict of interest.*

Reuter, Stephan .................. *Disclosed no conflict of interest.*

Reyes, Camila .................. *Disclosed no conflict of interest.*

Reyes, Camila I .................. *Disclosed no conflict of interest.*

Reyes, Camilla .................. *Disclosed no conflict of interest.*

Reyes, Samuel .................. *Disclosed no conflict of interest.*

Reyhanli, Aybike ................. *Disclosed no conflict of interest.*
Rezaei, Arash  Disclosed no conflict of interest.
Rezaei, Asghar  Disclosed no conflict of interest.
Rezazadeh Saati, Mohammad Amin  Disclosed no conflict of interest.
Rezk, Anna  Disclosed no conflict of interest.
Ribeiro, Marx  Disclosed no conflict of interest.
Riboh, Jonathan  3B: Smith & Nephew, Stryker, Arthrex; 4: Restor3d.
Riboh, Jonathan C.  Disclosed no conflict of interest.
Ricchetti, Eric  1: DJO; 3B: DJO, Depuy; 8: JSES; 9: Am Board of Ortho Surgery, ASES, AAOS.
Ricciardi, Benjamin  6: J&J; 8: Arthroplasty Today, CORR, HSS Journal, Knee; 9: AAOS, AAHKS.
Richards, Brett W.  Disclosed no conflict of interest.
Richards, Megan  Disclosed no conflict of interest.
Richardson, Christopher G  3B: Stryker, DePuy Synthes, HIT Orthopaedics.
Richardson, Glen  3B: Stryker, DePuy, Synthes, HIT Orthopaedics.
Richardson, Glen C  3B: Stryker, DePuy Synthes, HIT Orthopaedics.
Richardson, Mary K.  Disclosed no conflict of interest.
Richardson, Spencer M  Disclosed no conflict of interest.
Richter, David  Disclosed no conflict of interest.
Ridolfo, Mia  Disclosed no conflict of interest.
Riecke, Jana  Disclosed no conflict of interest.
Riegel, Madilyn  3A: Tyber Medical, LLC.
Riegel, Madilyn  3A: Tyber Medical.
Rienens, Ursula van  Disclosed no conflict of interest.
Riffitts, Michelle  Disclosed no conflict of interest.
Rigden, Bryce W.  Disclosed no conflict of interest.
Rimkunas, Augustinas  Disclosed no conflict of interest.
Rindone, Alexandra N  Disclosed no conflict of interest.
Ringeisen, Timothy  3A: Timothy Ringeisen.
Ringeisen, Timothy  3A: DSM Biomedical.
Ringrose, Trevor .................... disclosed no conflict of interest.
Riofrio, Alexie ........................ disclosed no conflict of interest.
Riofrio, Alexie D. ...................... disclosed no conflict of interest.
Ripmeester, Ellen G.J. ............... disclosed no conflict of interest.
Risbud, Makarand ..................... disclosed no conflict of interest.
Ristaniemi, Aapo ...................... disclosed no conflict of interest.
Rister, David .......................... 3A: Smith and Nephew.
Ritschl, Lucas .......................... disclosed no conflict of interest.
Ritter, Christopher ................... disclosed no conflict of interest.
Rizzo, Marco ......................... disclosed no conflict of interest.
Rizzone, Katherine ................... disclosed no conflict of interest.
Ro, Du Hyun ............................ disclosed no conflict of interest.
Roach, Koren ........................... disclosed no conflict of interest.
Robbins, Christian D .................. disclosed no conflict of interest.
Roberts, Hudson ...................... disclosed no conflict of interest.
Roberts, Joseph L ..................... disclosed no conflict of interest.
Roberts, Scott J ........................ 5: UCB Pharma.
Roberts, Scott J ....................... disclosed no conflict of interest.
Robertson, Catherine M .............. disclosed no conflict of interest.
Robertson, Seonaid ................... 3A: Stryker.
Robinson, Alayna ...................... disclosed no conflict of interest.
Robinson, Gabrielle ................... disclosed no conflict of interest.
Robinson, Gabrielle T ................ disclosed no conflict of interest.
Robinson, James ...................... disclosed no conflict of interest.
Robinson, Jessica .................... disclosed no conflict of interest.
Robinson, William H .................. disclosed no conflict of interest.
Robles Blasini, Steven ............... disclosed no conflict of interest.
Rocha de Faria, Jose Leonardo .... 1: Síntegra Surgical Sciences.
Roche, Christopher 3A: Exactech, Inc; 4: Exactech, Inc.
Roche, Christopher 3A: Exactech; 4: Exactech.
Roche, Christopher 3A: Exactech, Inc.; 4: Exactech, Inc.
Rocner, Hubert 5: ADSM, a Tyber Medical Company.
Rodenhower, Andrew Disclosed no conflict of interest.
Rodeo, Scott 4: Jannu Therapeutics.
Rodeo, Scott A Disclosed no conflict of interest.
Rodosky, Mark Disclosed no conflict of interest.
Rodriguez Fontan, Francisco Disclosed no conflict of interest.
Rodriguez, Adryiana Disclosed no conflict of interest.
Rodriguez, Ariel Disclosed no conflict of interest.
Rodriguez, David 3B: Zimmer Biomet.
Rodriguez, Edward K. 4: Ortholevo Inc.
Rodriguez, Jordy Disclosed no conflict of interest.
Rodriguez, Jose 3B: Exactech, Conformis, Medacta, Smith and Nephew; 4: Tracpatch; 5: Depuy, Exactech, Smith and Nephew; 7A: Exactech, Conformis, Medacta, Smith and Nephew.
Rodriguez, Levon Disclosed no conflict of interest.
Rodriguez, Nadia Disclosed no conflict of interest.
Rodriguez-Alejandro, Omar Disclosed no conflict of interest.
Rodriguez-Soto, Ana E Disclosed no conflict of interest.
Roeder, Nicole Disclosed no conflict of interest.
Roeder, Ryan Disclosed no conflict of interest.
Roelker, Sarah Disclosed no conflict of interest.
Roerink, Anne Disclosed no conflict of interest.
Roesler, Carlos Rodrigo Disclosed no conflict of interest.
Roesner, Maria Disclosed no conflict of interest.
Rogenmoser, David 3B: Pacira BioSciences.
Rogge, Samuel Disclosed no conflict of interest.
Rogot, James Disclosed no conflict of interest.
Roh, Yoon Ho ............................ Disclosed no conflict of interest.
Rojo-Garcia, Ana Victoria ........ Disclosed no conflict of interest.
Roldo, Marta .......................... Disclosed no conflict of interest.
Roman, Elliott ........................ Disclosed no conflict of interest.
Romanowicz, Genevieve .......... 1: FM Woundcare, LLC.
Romeo, Paolo ........................ Disclosed no conflict of interest.
Romereim, Sarah M. .............. Disclosed no conflict of interest.
Romero, Andrew ..................... Disclosed no conflict of interest.
Roncada, Tosca ........................ Disclosed no conflict of interest.
Rondeau, Kim ........................ Disclosed no conflict of interest.
Ronholdt, Chad J .................... 3B: Pinnacle Transplant Technologies, LLC.
Ronsky, Janet ........................ Disclosed no conflict of interest.
Root, Cooper ........................ Disclosed no conflict of interest.
Rosemberg, Dov ........................ Disclosed no conflict of interest.
Rosen, Alyssa ........................ Disclosed no conflict of interest.
Rosen, Clifford J ..................... Disclosed no conflict of interest.
Rosen, Vicki .......................... Disclosed no conflict of interest.
Rosenberg, Ashley .................. Disclosed no conflict of interest.
Rosenthal, Meredith ............... Disclosed no conflict of interest.
Rosenthal, Ralf ...................... Disclosed no conflict of interest.
Rosenthal, Walker ................... Disclosed no conflict of interest.
Rosenwasser, Melvin P ............ 2: Stryker; 3B: Stryker; 4: CoNexions, Radicle Orthopedics.
Rosenzweig, Derek .................. Disclosed no conflict of interest.
Rospigliosi, Delia ................... Disclosed no conflict of interest.
Ross, F. Patrick ..................... Disclosed no conflict of interest.
Ross, Tayler .......................... Disclosed no conflict of interest.
Rossy Borges, Maria Helena ...... Disclosed no conflict of interest.
Roters, Nils .......................... Disclosed no conflict of interest.
Roth, Joshua ......................... 9: ORS committee.
Röthlisberger, Stefan ............. Disclosed no conflict of interest.
Rousselle, Serge Disclosed no conflict of interest.

Routman, Howard 3B: Exactech, Inc; 7A: Exactech, Inc.

Rowe, David 5: 4WEB Medical Inc.

Rowe, Robert S Disclosed no conflict of interest.

Rowland, Andrea Disclosed no conflict of interest.

Rowland, Kevin Disclosed no conflict of interest.

Rowley, Michael Disclosed no conflict of interest.

Roy, Krishnendu Disclosed no conflict of interest.

Royse, Lisa 5: Zimmer.

Royse, Lisa A 5: PCORI, Zimmer-Biomet.

Royster, Brett Disclosed no conflict of interest.

Rubery, Paul Disclosed no conflict of interest.

Rubio, Daniel R 3B: Johnson & Johnson/Depuy Synthes, SI Bone.

Rucinski, Kylee Disclosed no conflict of interest.

Rudan, John Disclosed no conflict of interest.

Rudisill, Katelyn E Disclosed no conflict of interest.

Rudisill, Katelyn E Disclosed no conflict of interest.

Rueckert, Helen E Disclosed no conflict of interest.

Ruffini, Leonardo Disclosed no conflict of interest.

Rüger, Matthias Disclosed no conflict of interest.

Ruh, Ethan Disclosed no conflict of interest.

Rührmund, Leo Disclosed no conflict of interest.

Ruiz, Amparo Disclosed no conflict of interest.

Ruiz-Fernández, Clara Disclosed no conflict of interest.

Rullan-Oliver, Pedro Disclosed no conflict of interest.

Rund, Joseph M Disclosed no conflict of interest.

Runer, Armin Disclosed no conflict of interest.
Ruoss, Severin Disclosed no conflict of interest.
Rupe, Marshall Disclosed no conflict of interest.
Rupp, Garrett E Disclosed no conflict of interest.
Rupp, Marco C Disclosed no conflict of interest.
Rusch, Sabine 3A: Aesculap AG Tuttlingen, Germany.
Russell, Jennifer Disclosed no conflict of interest.
Rusu, Daniel Disclosed no conflict of interest.
Rutherford, Marshall Disclosed no conflict of interest.
Rutten, Matthieu Disclosed no conflict of interest.
Rutz, Robert W Disclosed no conflict of interest.
Rux, Danielle Disclosed no conflict of interest.
Ruzbarsky, Joseph J Disclosed no conflict of interest.
Ryan, Gareth Disclosed no conflict of interest.
Ryan, Jordan Disclosed no conflict of interest.
Ryan, Justin R Disclosed no conflict of interest.
Ryan, Nicholas S Disclosed no conflict of interest.
Ryan, Sarah Disclosed no conflict of interest.
Ryan, Terence Disclosed no conflict of interest.
Ryan, Zachary T Disclosed no conflict of interest.
Ryu, Hannah Disclosed no conflict of interest.
Ryu, Igaki Disclosed no conflict of interest.
Ryu, Keinosuke Disclosed no conflict of interest.
Ryu, Masao Disclosed no conflict of interest.
Ryu, Seok Chang Disclosed no conflict of interest.
Saad, Omar Disclosed no conflict of interest.
Saad, Omar A Disclosed no conflict of interest.
Saarakkala, Simo 8: Associate Editor of Osteoarthritis and Cartilage Open.
Sachdev, Divesh Disclosed no conflict of interest.
Sachdeva, Shikha Disclosed no conflict of interest.
Sacher, Sara E Disclosed no conflict of interest.
Sachin, Allahabadi Disclosed no conflict of interest.
Sadar, Faisal Disclosed no conflict of interest.
Sadeqi, Sara Disclosed no conflict of interest.
Sadjadi, Ryan Disclosed no conflict of interest.
Sadoughi, Saghi Disclosed no conflict of interest.
Sadowska, Joanna Disclosed no conflict of interest.
Sadowska, Joanna M Disclosed no conflict of interest.
Sadowska, Joanna M Disclosed no conflict of interest.
Sadrossadat, Anahita Disclosed no conflict of interest.
Saeks, Douglas Disclosed no conflict of interest.
Safadi, Fayez Disclosed no conflict of interest.
Safadi, Fayez F Disclosed no conflict of interest.
Saffari, Alexander Disclosed no conflict of interest.
Safowan Shahed, Kazi Disclosed no conflict of interest.
Safranski, David 3A: Enovis.
Sagae, Hiromori Disclosed no conflict of interest.
Sage, Katherine 3A: Kuros Biosciences.
Sagen, Jacqueline Disclosed no conflict of interest.
Sah, Robert 8: Cartilage, Osteoarthritis Cartilage; 9: ORS.
Sahin, Ebrar Disclosed no conflict of interest.
Saifi, Comron 3C: Medtronic; 4: Vertera Inc, Alphatec Spine, Restor3d.
Saifzadeh, Siamak Disclosed no conflict of interest.
Saini, Uttam Disclosed no conflict of interest.
Saito, Akira .......................Disclosed no conflict of interest.
Saito, Keiju ......................Disclosed no conflict of interest.
Saito, Mitsuru ......................Disclosed no conflict of interest.
Saito, Motoo ......................Disclosed no conflict of interest.
Saito, Riku ......................Disclosed no conflict of interest.
Saiwai, Hirokazu ..................Disclosed no conflict of interest.
Saiz, Augustine ..................9: OTA Research Committee, AAOS Fundamentals Committee, ORS ISFR Communications Committee.
Sakaguchi, Takefumi ...............Disclosed no conflict of interest.
Sakai, Akinori ....................Disclosed no conflict of interest.
Sakai, Daisuke ....................3B: Tunz Pharma Inc; 7B: JOR Spine; 8: JOR Spine.
Sakai, Daisuke ....................3B: TUNZ Pharma; 7B: JOR Spine; 8: JOR Spine.
Sakai, Daisuke ....................3B: TUNZ Pharma Co., Ltd; 7B: JOR Spine; 8: JOR Spine; 9: ISSLS.
Sakai, Takashi ....................Disclosed no conflict of interest.
Sakai, Tatsuya ....................Disclosed no conflict of interest.
Sakai, Yuko ......................Disclosed no conflict of interest.
Sakamoto, Kazuma ...............Disclosed no conflict of interest.
Sakamoto, Naoya .................Disclosed no conflict of interest.
Sakanoue, Yoshinori ..............Disclosed no conflict of interest.
Sakashita, Kotaro .................Disclosed no conflict of interest.
Sakhrani, Neeraj .................Disclosed no conflict of interest.
Sakurai, Shigeyuki ...............Disclosed no conflict of interest.
Sakyi, Maxwell Y .................Disclosed no conflict of interest.
Salamanna, Francesca ..........Disclosed no conflict of interest.
Salamat, Kennedy A .............Disclosed no conflict of interest.
Salameh, Motasem ...............Disclosed no conflict of interest.
Salas, Christina .................Disclosed no conflict of interest.
Salazar, Alyssa ..................Disclosed no conflict of interest.
Salazar, Isabella .................Disclosed no conflict of interest.
Saleet, Jayson ............................ Disclosed no conflict of interest.
Saleh, Ahmed ............................ Disclosed no conflict of interest.
Salehi Nezamabadi, Sahar ........ Disclosed no conflict of interest.
Salem, Aliasger K .......................... Disclosed no conflict of interest.
Salim, Rodrigo ............................ Disclosed no conflict of interest.
Salimy, Mehdi ............................ Disclosed no conflict of interest.
Salmons, Harold I ........................ Disclosed no conflict of interest.
Salmoria, Gean .......................... Disclosed no conflict of interest.
Salmoria, Gean Vitor .................. Disclosed no conflict of interest.
Salo, Paul ............................... Disclosed no conflict of interest.
Salomonsson, Anna ..................... Disclosed no conflict of interest.
Saltz, Lydia .............................. Disclosed no conflict of interest.
Saltzman, Charles ....................... Disclosed no conflict of interest.
Saltzman, Charles L ..................... Disclosed no conflict of interest.
Salunke, Shalmali ....................... Disclosed no conflict of interest.
Salusky, Isidro .......................... Disclosed no conflict of interest.
Salvi, Andrea ............................ Disclosed no conflict of interest.
Salzmann, Gian .......................... Disclosed no conflict of interest.


Samanian, Yasmin ..........................Disclosed no conflict of interest.

Samartzis, Dino.........................Disclosed no conflict of interest.

Samejima, Yuki ..........................Disclosed no conflict of interest.

Samelko, Lauryn ..........................3A: Orthopedic Analysis, LLC.

Sami, Tuffaha H..........................Disclosed no conflict of interest.

Samaria, Anna Cristina ..................Disclosed no conflict of interest.

Sammarco, Mimi ..........................Disclosed no conflict of interest.

Sammon, Chris...........................Disclosed no conflict of interest.

Samora, Julie .............................Disclosed no conflict of interest.

Sampson, Hayden .......................Disclosed no conflict of interest.

Samson, Sue..............................Disclosed no conflict of interest.

Samuel, Linsen...........................Disclosed no conflict of interest.

Sanchez, Adam ..........................Disclosed no conflict of interest.

Sanchez, Brenda .........................Disclosed no conflict of interest.

Sanchez, Joshua .........................Disclosed no conflict of interest.

Sanchez, Thomas .........................Disclosed no conflict of interest.


Sanchez-Sotelo, Joaquin

3B: Acumed, Exactech; 4: Precision OS, PSI; 7A: Stryker; 7B: Elsevier,
Journal of Shoulder and Elbow Surgery, Oxford University Press.

Sander, Allison M

Disclosed no conflict of interest.

Sander, Edward A

Disclosed no conflict of interest.

Sandercoc,k Kyra

Disclosed no conflict of interest.

Sanders, Adriauna

3A: Smith & Nephew.

Sanders, James


Sandhir, Sumera

Disclosed no conflict of interest.

Sang, Luke L

Disclosed no conflict of interest.

Sangeorzan, Bruce J

8: JBJS.

Sangiorgio, Sophia

Disclosed no conflict of interest.

Sanjay, Archana

Disclosed no conflict of interest.

Sankar, Uma

Disclosed no conflict of interest.

Sankey, Turner

Disclosed no conflict of interest.

Sano, Shohei

Disclosed no conflict of interest.

Sano, Tomohiko

Disclosed no conflict of interest.

Santangelo, Kelly

Disclosed no conflict of interest.

Santare, Michael

Disclosed no conflict of interest.

Santillan, Jaime

Disclosed no conflict of interest.

Santillan, Jaime A

Disclosed no conflict of interest.

Santos, Alexandra

Disclosed no conflict of interest.

Santos, Arthur Paiva Grimaldi

Disclosed no conflict of interest.

Santos, Estevao D

Disclosed no conflict of interest.

Santos, Ricardo

Disclosed no conflict of interest.

Sanyal, Arun J

3A: Sanyal Biotechnology, AstraZeneca, Amgen, Salix, Janssen, Gilead, Mallinckrodt, Terns, Merck, Siemens, 89bio, NGM Bio, Poxel, Boehringer Ingelheim, Eli Lilly, HemoShear, Bristol Myers Squibb, Novartis, Novo Nordisk, Pfizer, Albireo, Regeneron, Genentech, Alnylam, Roche, Madrigal, Inventiva, Covance, ProSciento, HistolIndex, PathAI, Genfit; 4: Genfit, Exhalenz, Tiziana, Indalo, NorthSea, Durect, HemoShear, Rivus; 5: Intercept Pharmaceuticals, Gilead, Bristol Myers Squibb, Eli Lilly, Merck, Boehringer Ingelheim, Novo Nordisk, Fractyl, Mallinckrodt, Madrigal, Inventiva, Novartis, Pfizer; 7B: Elsevier, UpToDate.

Saptono, Andi

Disclosed no conflict of interest.
Sara, Williams .............................................. Disclosed no conflict of interest.
Sarcon, Aida ................................................. Disclosed no conflict of interest.
Sarcon, Aida K ............................................ Disclosed no conflict of interest.
Saris, Daniel ................................................. Disclosed no conflict of interest.
Saris, Daniel B F ........................................... Disclosed no conflict of interest.
Sarkar, Arijita .............................................. Disclosed no conflict of interest.
Sarkar, Naboneeta ........................................... Disclosed no conflict of interest.
Sarker, MD ......................................................... Disclosed no conflict of interest.
Sartori, Maria .................................................. Disclosed no conflict of interest.
Sasada, Manabu .............................................. Disclosed no conflict of interest.
Sasaki, Ryo ......................................................... Disclosed no conflict of interest.
Sasaki, Tsuyoshi .............................................. Disclosed no conflict of interest.
Sass, Jan-Oliver ............................................... Disclosed no conflict of interest.
Sassi, Amel ....................................................... Disclosed no conflict of interest.
Satake, Yoshinori ............................................. Disclosed no conflict of interest.
Satalich, James ................................................ Disclosed no conflict of interest.
Sather, Nicholas ............................................... Disclosed no conflict of interest.
Satici, Aykut ................................................... Disclosed no conflict of interest.
Satish, Vivek ................................................... Disclosed no conflict of interest.
Satish, Vivek L .................................................. Disclosed no conflict of interest.
Sato, Ayato ......................................................... Disclosed no conflict of interest.
Sato, Dai ........................................................... Disclosed no conflict of interest.
Sato, Junko ....................................................... Disclosed no conflict of interest.
Sato, Kano ........................................................ Disclosed no conflict of interest.
Sato, Masato .................................................... Disclosed no conflict of interest.
Sato, Naohito .................................................... Disclosed no conflict of interest.
Sato, Ryo ........................................................ Disclosed no conflict of interest.
Sato, Ryuichi .............................. *Disclosed no conflict of interest.*
Sato, Seiji .............................. *Disclosed no conflict of interest.*
Sato, Seira .............................. *Disclosed no conflict of interest.*
Sato, Shinji .............................. *Disclosed no conflict of interest.*
Sato, Taishi .............................. *Disclosed no conflict of interest.*
Sato, Takashi .............................. *Disclosed no conflict of interest.*
Sato, Tomoya .............................. *Disclosed no conflict of interest.*
Sato, Yoichi .............................. *Disclosed no conflict of interest.*
Saul, Katherine R .................... *Disclosed no conflict of interest.*
Savidipour, Alireza ....................... *Disclosed no conflict of interest.*
Saviola, Anthony ....................... *Disclosed no conflict of interest.*
Sawada, Kazuya .......................... *Disclosed no conflict of interest.*
Sawada, Ryoko .......................... *Disclosed no conflict of interest.*
Sawaguchi, Akira .......................... *Disclosed no conflict of interest.*
Sawamura, Hideaki .......................... *Disclosed no conflict of interest.*
Sawatsky, Andrew ....................... *Disclosed no conflict of interest.*
Sawatwong, Worapat .................... *Disclosed no conflict of interest.*
Sawauchi, Kenichi .......................... *Disclosed no conflict of interest.*
Sawvell, Emily .............................. *Disclosed no conflict of interest.*
Sawyer, Robert .............................. *Disclosed no conflict of interest.*
Saxby, David .............................. *Disclosed no conflict of interest.*
Saxby, David J .............................. *Disclosed no conflict of interest.*
Saxby, David John .............................. *Disclosed no conflict of interest.*
Sayyad, Raeesa .......................... *Disclosed no conflict of interest.*
Scanlon, Vanessa M ....................... *Disclosed no conflict of interest.*
Scanzello, Carla ............................. 8: *Arthritis and Rheumatology, Osteoarthritis and Cartilage.*
Scanzello, Carla ............................. 8: *Associate Editor, Arthritis & Rheumatology; Editorial Board: Osteoarthritis and Cartilage.*
Scanzello, Carla R ............................. 8: *Associate editor Arthritis and Rheumatology, Editorial board Osteoarthritis and Cartilage.*
Scarcelli, Giuliano .................. Disclosed no conflict of interest.

Scarton, Emma ....................... Disclosed no conflict of interest.

Schaer, Thomas ...................... 1: PSI; 3B: ReGelTec, Peptilogics, Acuitive Technologies; 3C: PAX Therapeutics, OrimTech, SINTX Technologies, OsteoCentric Technologies; 4: ReGelTec, Acuitive Technologies; 5: DePuy Synthes, Alcyone Therapeutics, Acuitive Technologies, SINTX Technologies, Camber Spine, ReGelTec; 6: Heraeus.

Schaer, Thomas ...................... 1: PSI, ReGelTec; 3B: ReGelTec, Peptilogics, Acuitive Technologies; 3C: PAX Therapeutics, OrimTech, SINTX Technologies, OsteoCentric Technologies; 4: ReGelTec, Acuitive Technologies; 5: ReGelTec, Acuitive Technologies, SINTX Technologies, DePuy Synthes, Alcyone Therapeutics, Camber Spine, ReGelTec; 6: Heraeus.

Schaer, Thomas ...................... 1: PSI, ReGelTec; 3B: ReGelTec, Peptilogics, Acuitive Technologies; 3C: PAX Therapeutics, OrimTech, SINTX Technologies, OsteoCentric Technologies; 4: ReGelTec, Acuitive Technologies; 5: ReGelTec, Acuitive Technologies, SINTX Technologies, DePuy Synthes, Alcyone Therapeutics, Camber Spine, ReGelTec; 6: Heraeus.

Schaer, Thomas ...................... 1: PSI, ReGelTec; 3B: ReGelTec, Peptilogics, Acuitive Technologies; 3C: PAX Therapeutics, OrimTech, SINTX Technologies, OsteoCentric Technologies; 4: ReGelTec, Acuitive Technologies; 5: ReGelTec, Acuitive Technologies, SINTX Technologies, DePuy Synthes, Alcyone Therapeutics, Camber Spine, ReGelTec; 6: Heraeus.


Schaffler, Mitchell ................. Disclosed no conflict of interest.

Schaller, Christian .................... Disclosed no conflict of interest.

Scharffetter-Kochanek, Karin ....... Disclosed no conflict of interest.

Scheidt, Greta E. ...................... Disclosed no conflict of interest.

Scheinberg, Mila ...................... Disclosed no conflict of interest.

Scheller, Erica L ..................... Disclosed no conflict of interest.


Scheys, Lennart ...................... 6: Euros (Grant), Medtronic (Grant), Nuvasive (Grant), V!GO/Ottobock (Grant), Zimmer-Biomet (Grant), SRS-Biedermann Award (Grant), Smith and Nephew (Grant), Medacta Int. (Reseach support).
Scheys, Lennart ..................... 6: Zimmer Biomet.

Schickendantz, Mark ............... Disclosed no conflict of interest.

Schiele, Nathan ..................... Disclosed no conflict of interest.

Schilling, Christoph ................ 3A: Aesculap AG.

Schilling, Pia ....................... Disclosed no conflict of interest.

Schilling, Thomas ................... Disclosed no conflict of interest.

Schimoler, Patrick .................. Disclosed no conflict of interest.

Schimoler, Patrick J ............... 6: Spinal Simplicity.

Schimoler, Patrick J ............... 6: Kyocera.

Schinke, Thorsten ................... Disclosed no conflict of interest.

Schlager, Benedikt ................... Disclosed no conflict of interest.

Schlatter, Jerome ................... Disclosed no conflict of interest.

Schlauch, Adam M ................... Disclosed no conflict of interest.

Schloemann, Derek ................... 5: University of Rochester, American Foundation for Surgery of the Hand.

Schlösser, Tom ...................... Disclosed no conflict of interest.

Schmal, Hagen ....................... Disclosed no conflict of interest.

Schmanski, Jeanna ................... Disclosed no conflict of interest.

Schmaranzer, Florian ............... Disclosed no conflict of interest.

Schmeling, Gregory J ............... Disclosed no conflict of interest.

Schmid, Thomas ..................... Disclosed no conflict of interest.

Schmidmaier, Gerhard .............. Disclosed no conflict of interest.

Schmidt, Andrew .................... Disclosed no conflict of interest.

Schmidt, Christopher C .......... Disclosed no conflict of interest.

Schmidt, Eli ......................... Disclosed no conflict of interest.

Schmidt, Tannin A ................. 3B: Lubris LLC; 4: Lubris LLC.

Schmidt-Bleek, Katharina .......... Disclosed no conflict of interest.

Schmit, Matthew .................... 3A: DePuy Synthes; 4: DePuy Synthes.

Schmitt, Gertrud ...................... Disclosed no conflict of interest.

Schmitt, Laura ...................... Disclosed no conflict of interest.
Schmitt, Mark .......................... Disclosed no conflict of interest.

Schmitz, Randy J. ..................... Disclosed no conflict of interest.

Schnabel, Lauren ....................... Disclosed no conflict of interest.

Schneider, Prism ...................... 5: Johnson & Johnson, Smith & Nephew; 8: Canadian Journal of Surgery, Osteoporosis Canada.

Schneider, Prism ...................... 5: Johnson & Johnson; 8: Canadian Journal of Surgery, Osteoporosis Canada.

Schneiders, Hannah R ............. Disclosed no conflict of interest.

Schnitzer, Thomas .................... 3B: AstraZeneca, Eli Lilly, GlaxoSmithKline, Horizon, IBSA Group, Merck, Moebius Medical, Orion, Regeneron, Xalud Therapeutics, Pfizer; 5: Paradigm Biopharmaceuticals Ltd; 9: Pfizer.

Schrenenberg, Alyssa J ............ Disclosed no conflict of interest.

Schoch, Brad ................................. 3B: Exactech, Inc.

Schoch, Bradley .......................... 3B: Exactech.

Schoennagel, Lukas .................. Disclosed no conflict of interest.

Schoonraad, Sarah .................... Disclosed no conflict of interest.

Schopka, Astrid ....................... Disclosed no conflict of interest.

Schreiber, Areonna .................... Disclosed no conflict of interest.

Schreiber, Martin ..................... 1: OGenda; 3B: Haemonetics, CSL Behring, Tricol; 4: multiple Pharmaceutical companies; 5: Haemonetics, CSL Behring; 8: Journal of Trauma and Acute Care Surgery, Shock.

Schreiner, Markus M. ............... Disclosed no conflict of interest.

Schrode, Nadine ....................... Disclosed no conflict of interest.


Schroeder, Ryan ....................... Disclosed no conflict of interest.
Schroeppel, Paul

Schultz, Lydia C

Schumacher, Barbara L

Schwab, Joseph

Schwanke, Eric

Schwartz, Alexandra

Schwartz, Andrew M

Schwartz, Gabi

Schwartz, Herbert

Schwartz, Todd

Schwartz, Zvi

Schwartzman, Jonathan

Schwarz, Edward

Schweitzer, Kayla

Schweitzer, Kayla R

Schweitzer, Ronen

Schweitzer, Ronen

Schwarz, Edward M

Schwarzenberg, Peter

Schweitzer, Kyle

Scieri, Casey

Scigliano, Noah M
Sciortino, Vincenza Disclosed no conflict of interest.


Sclamberg, Luke S Disclosed no conflict of interest.

Scolaro, John Disclosed no conflict of interest.

Scott, Devon Disclosed no conflict of interest.

Scott, Lucas Disclosed no conflict of interest.

Scott, Maxwell M Disclosed no conflict of interest.

Scott, Steinmann Disclosed no conflict of interest.

Scuderi, Matthew G. Disclosed no conflict of interest.


Sculco, Thomas P 1: Exactech; 3C: Lima Corporation; 9: OREF.

Seal, Anouska Disclosed no conflict of interest.

Seal, Sudipta Disclosed no conflict of interest.

Seale, Patrick Disclosed no conflict of interest.

Seaman, Kimberly Disclosed no conflict of interest.

Seballos, Kristen Disclosed no conflict of interest.

Sebastian, Aimy Disclosed no conflict of interest.

Sebastiani, Romano Disclosed no conflict of interest.

Sebra, Robert 3B: GeneDx.

Secerovic, Amra Disclosed no conflict of interest.

Sechopoulos, Ioannis Disclosed no conflict of interest.
Sechrist, Zachary ........................................... Disclosed no conflict of interest.
Secor, Erica ........................................... Disclosed no conflict of interest.
Secrist, Eric ........................................... Disclosed no conflict of interest.
Sedigh, Ashkan ........................................... Disclosed no conflict of interest.
Seerattan, Ruth-Anne.............................. Disclosed no conflict of interest.
Seevinck, Peter ........................................... 3A: MRIguidance BV.
Segi, Naoki ........................................... Disclosed no conflict of interest.
Seguin, Cheryle ........................................... Disclosed no conflict of interest.
Seguin, Cheryle A ........................................... Disclosed no conflict of interest.
Segvinch, Dyann dsegvich@iu.edu .................. Disclosed no conflict of interest.
Segvinch, Dyann M ........................................... Disclosed no conflict of interest.
Seide, Ketsia ........................................... Disclosed no conflict of interest.
Seidel, Joslin L ........................................... Disclosed no conflict of interest.
Seiden, Emily E ........................................... Disclosed no conflict of interest.
Seidstein, Alexandra ...................... Disclosed no conflict of interest.
Seidenstuecker, Michael .................. Disclosed no conflict of interest.
Seifert, Jack ........................................... Disclosed no conflict of interest.
Seime, Howard ........................................... Disclosed no conflict of interest.
Seiple, Ali ........................................... Disclosed no conflict of interest.
Seitz, Andreas ........................................... Disclosed no conflict of interest.
Seitz, Andreas M ........................................... Disclosed no conflict of interest.
Seitz, Mitchell L ........................................... Disclosed no conflict of interest.
Sekar, Amita ........................................... Disclosed no conflict of interest.
Sekar, Shobana ........................................... Disclosed no conflict of interest.
Sekita, Tetsuya ........................................... Disclosed no conflict of interest.
Selig, Marius ............................. 3A: Aesculap AG Tuttlingen, Germany.
Selim, Omar .......................... Disclosed no conflict of interest.
Selim, Omar A. ....................... Disclosed no conflict of interest.
Selzer, Faith ......................... Disclosed no conflict of interest.
Semodji, Amevi M .................... Disclosed no conflict of interest.
Seneshaw, Mulugeta ................. Disclosed no conflict of interest.
Senga, Yoshiyuki ..................... Disclosed no conflict of interest.
Senthilkumar, Shiva .................. Disclosed no conflict of interest.
Seo, Hajime ........................... Disclosed no conflict of interest.
Seo, Henry Hojoon ................... Disclosed no conflict of interest.
Seo, Hyun Seok ...................... Disclosed no conflict of interest.
Seol, Dongrim ....................... Disclosed no conflict of interest.
Serafim, Maria Fernanda .......... 3A: Remedium Bio, Inc.; 4: Remedium Bio, Inc.
Serbin, Ryan .......................... Disclosed no conflict of interest.
Serdiuk, Vitalii ...................... Disclosed no conflict of interest.
Serrano Larrea, Carolina ......... Disclosed no conflict of interest.
Service, Benjamin .................. 3B: FarmaceuticalRX, Stryker; 4: OXOS, ProBox Recovery Partners LLC, Revive Therapeutics Ltd.
Setiz, Mitchell ..................... Disclosed no conflict of interest.
Setliff, Joshua ...................... Disclosed no conflict of interest.
Seto, Tetsuya ....................... Disclosed no conflict of interest.
Sgaglione, Jonathan ............... Disclosed no conflict of interest.
Shaari, Ariana ...................... Disclosed no conflict of interest.
Shaari, Ariana L .................... Disclosed no conflict of interest.
Shafer, Cole R ...................... Disclosed no conflict of interest.
Shafiq, Babar ....................... Disclosed no conflict of interest.
Shafritz, Adam Disclosed no conflict of interest.

Shah, Aakash Disclosed no conflict of interest.

Shah, Alok Disclosed no conflict of interest.

Shah, Anjan R Disclosed no conflict of interest. 2: Smith & Nephew; 3B: Conventus, Globus Medical, Stabiliz Ortho.

Shah, Ashish Disclosed no conflict of interest.

Shah, Ayush D Disclosed no conflict of interest.

Shah, Darshan Disclosed no conflict of interest.

Shah, Ishan Disclosed no conflict of interest.

Shah, Mili Disclosed no conflict of interest.

Shah, Rishita R Disclosed no conflict of interest.

Shah, Rohan Disclosed no conflict of interest.

Shah, Roshan Disclosed no conflict of interest.

Shah, Roshan P Disclosed no conflict of interest.

Shah, Sameer Disclosed no conflict of interest.

Shah, Sameer B Disclosed no conflict of interest.

Shah, Sarav Disclosed no conflict of interest.

Shah, Yatrik Disclosed no conflict of interest.

Shahi, Alisina Disclosed no conflict of interest.

Shahrestani, Shane 3A: StrokeDx, Inc.; 4: StrokeDx, Inc.; 9: StrokeDx, Inc.

Shahsavarani, Shaya Disclosed no conflict of interest.

Shaikh, Hashim Disclosed no conflict of interest.

Shaikh, Hashim JF Disclosed no conflict of interest.

Shakya, Bijay Disclosed no conflict of interest.

Shalvoy, Robert M Disclosed no conflict of interest.

Shama, Kariman Disclosed no conflict of interest.

Shammas, Helen Disclosed no conflict of interest.

Shammasian, Berje Disclosed no conflict of interest.

Shamritsky, David Disclosed no conflict of interest.

Shams, Ryan Disclosed no conflict of interest.

Shang, Jiangyinzi Disclosed no conflict of interest.
Shang, Xianwen .......................... *Disclosed no conflict of interest.*
Shao, Kasey ............................. *Disclosed no conflict of interest.*
Shao, Pei-Lin ............................ *Disclosed no conflict of interest.*
Shao, Pei-Ling .......................... *Disclosed no conflict of interest.*
Shapiro, Lauren .......................... *Disclosed no conflict of interest.*
Sharafi, Azadeh .......................... *Disclosed no conflict of interest.*
Shariati, Mohammad Javad ....... *Disclosed no conflict of interest.*
Sharif, Muneeb A. ....................... *Disclosed no conflict of interest.*
Sharma, Aseem .......................... *Disclosed no conflict of interest.*
Sharma, Ashish Ranjan ............... *Disclosed no conflict of interest.*
Sharma, Blanka .......................... 4: Cofounder 42Bio.
Sharma, Deepti K ........................ *Disclosed no conflict of interest.*
Sharma, Jhanvi .......................... *Disclosed no conflict of interest.*
Sharma, Nadia .......................... 3A: DSM Biomedical.
Sharma, Ratna .......................... *Disclosed no conflict of interest.*
Sharma, Rinkle .......................... *Disclosed no conflict of interest.*
Sharma, Sadhna .......................... *Disclosed no conflict of interest.*
Sharma, Shrutika ........................ *Disclosed no conflict of interest.*
Sharma, Siddhartha ..................... *Disclosed no conflict of interest.*
Sharp, Emily E .......................... *Disclosed no conflict of interest.*
Sharpe, Frances .......................... *Disclosed no conflict of interest.*
Shaterian Mohammadi, Hamidreza  
  *Disclosed no conflict of interest.*
Shatzel, Joseph .......................... *Disclosed no conflict of interest.*
Shaver, Joseph .......................... *Disclosed no conflict of interest.*
Shaw, Jeremy ............................ *Disclosed no conflict of interest.*
Shay-Winkler, Kritton .................. *Disclosed no conflict of interest.*
Shcherbakova, Yulia .................... *Disclosed no conflict of interest.*
Shea, Kevin ............................. *Disclosed no conflict of interest.*
Shea, Kevin G ............................ 3C: nView, Sarcio; 4: nView, Sarcio; 5: Ossur, Vericel; 8: VJSM; 9: AAOS, AOSSM, POSNA, PRiSM, ROCK.
Shea, Kevin G...............................5: Allosource, Stanford Maternal Child Health Research Institute, Educational support from Arthrex, Evolution Surgical.

Shea, Kevin G...............................5: Educational support from Arthrex, Evolution Surgical, Research Support from Allosource.

Sheasley, Jennifer.......................Disclosed no conflict of interest.

Sheehy, Eamon J...........................Disclosed no conflict of interest.

Sheehy, James B..........................Disclosed no conflict of interest.

Sheehy, Kaitlyn...........................Disclosed no conflict of interest.

Shefelbine, Sandra.......................Disclosed no conflict of interest.


Sheikh, Basel..............................Disclosed no conflict of interest.

Shekar, Kurpad............................Disclosed no conflict of interest.

Shekhar-Madhukar, Kumta..............Disclosed no conflict of interest.

Shelburne, Kevin..........................5: Stryker.

Shelby, Hannah............................Disclosed no conflict of interest.

Shelby, Tara...............................Disclosed no conflict of interest.

Shelest, Oksana...........................Disclosed no conflict of interest.

Shelton, Julia.............................Disclosed no conflict of interest.

Shemo, Catherine........................Disclosed no conflict of interest.

Shen, Aijing...............................Disclosed no conflict of interest.

Shen, Chushu..............................Disclosed no conflict of interest.

Shen, Huaishuang.........................Disclosed no conflict of interest.

Shen, Lin.................................Disclosed no conflict of interest.

Shen, Mia.................................Disclosed no conflict of interest.

Shen, Quan...............................Disclosed no conflict of interest.

Sheng, Jiagen.............................Disclosed no conflict of interest.

Sheng, Kai.................................Disclosed no conflict of interest.

Shenoy, Aarti.............................Disclosed no conflict of interest.

Shepherd, Molly C.........................Disclosed no conflict of interest.

Shetewi, Ahmed...........................Disclosed no conflict of interest.

Shetye, Snehal...........................Disclosed no conflict of interest.
Shevchenko, Konstantin G. 
Disclosed no conflict of interest.

Sheyn, Dmitriy
Disclosed no conflict of interest.

Sheyn, Julia
Disclosed no conflict of interest.

Shi, Sarah
3A: Stryker; 4: Stryker.

Shi, Xingming
Disclosed no conflict of interest.

Shi, Zhabin
3B: Depuy MITEK, LINK, Arthrex, Rejoin.

Shibata, Yo
Disclosed no conflict of interest.

Shibayama, Yuji
Disclosed no conflict of interest.

Shigematus, Hideki
Disclosed no conflict of interest.

Shigemoto, Rika
Disclosed no conflict of interest.

Shih, Cheng-Min
Disclosed no conflict of interest.

Shih, Sunny
Disclosed no conflict of interest.

Shikanov, Ariella
Disclosed no conflict of interest.

Shillabeer, Dionne
Disclosed no conflict of interest.

Shim, Bum Jin
Disclosed no conflict of interest.

Shim, Bum-jin
Disclosed no conflict of interest.

Shim, Jae-Hyuck
Disclosed no conflict of interest.

Shimada, Eijiro
Disclosed no conflict of interest.

Shimada, Toshiki
Disclosed no conflict of interest.

Shimizu, Michelle R
Disclosed no conflict of interest.

Shimizu, Takahiko
Disclosed no conflict of interest.

Shimizu, Tomoaki
Disclosed no conflict of interest.

Shimizu, Tomohiro
Disclosed no conflict of interest.

Shimizu, Yuichi
Disclosed no conflict of interest.

Shimizu, Yukiyo
Disclosed no conflict of interest.

Shimoda, Masashi
Disclosed no conflict of interest.

Shimono, Tomoyuki
Disclosed no conflict of interest.

Shimozaki, Kengo
Disclosed no conflict of interest.

Shin, Alexander Y
Disclosed no conflict of interest.
Shin, Alexander Y. ..............................................Disclosed no conflict of interest.
Shin, Beomsoo ...........................................Disclosed no conflict of interest.
Shin, Choongsoo ............................................Disclosed no conflict of interest.
Shin, Jaehyung ..............................................Disclosed no conflict of interest.
Shin, John ....................................................Disclosed no conflict of interest.
Shin, Kyungsup ..............................................Disclosed no conflict of interest.
Shin, Seonjin ..................................................Disclosed no conflict of interest.
Shin, Soo Hyun ..............................................Disclosed no conflict of interest.
Shin, Yujeong ..................................................Disclosed no conflict of interest.
Shine, Jacqueline ............................................Disclosed no conflict of interest.
Shinohara, Issei ..............................................Disclosed no conflict of interest.
Shinohara, Yasushi ...........................................Disclosed no conflict of interest.
Shinokawa, Kosuke ..........................................Disclosed no conflict of interest.
Shiode, Ryoya ..................................................Disclosed no conflict of interest.
Shiota, Junki ...................................................Disclosed no conflict of interest.
Shirahata, Wataru ............................................Disclosed no conflict of interest.
Shirwaiker, Rohan ..........................................Disclosed no conflict of interest.
Shitahodo, Toshiya .............................................Disclosed no conflict of interest.
Shitara, Hitoshi ...............................................Disclosed no conflict of interest.
Shiwaku, Kosuke ..............................................Disclosed no conflict of interest.
Shiwaku, Takeo ...............................................Disclosed no conflict of interest.
Shobuike, Takeo ...............................................Disclosed no conflict of interest.
Shoemaker, Joseph ...........................................Disclosed no conflict of interest.
Shojaeadib, Niloofar ............................................Disclosed no conflict of interest.
Shontz, Edward ...............................................Disclosed no conflict of interest.
Shore, Benjamin ..............................................Disclosed no conflict of interest.
Shore, Eileen ...................................................Disclosed no conflict of interest.
Shrestha, Pragyan .............................................Disclosed no conflict of interest.
Shriver, Ryan ...................................................Disclosed no conflict of interest.
Shu, Ye ..........................................................Disclosed no conflict of interest.
Shuda, Jamie ...................................................Disclosed no conflict of interest.
Shue, Jennifer Disclosed no conflict of interest.

Shukla, Janvi Disclosed no conflict of interest.

Shukla, Swati Disclosed no conflict of interest. 3A: Dr. Swati Shukla is a Cofounder and paid employee of Serigen Mediproducts and receives salary from the company; 4: Dr. Swati Shukla owns stocks in Serigen Mediproducts.

Shukla, Swati Disclosed no conflict of interest. 3A: Dr. Swati Shukla is a Cofounder and paid employee of Serigen Mediproducts and receives salary from the company; 4: Dr. Swati Shukla owns stock in Serigen Mediproducts.

Shukunami, Chisa Disclosed no conflict of interest.

Shultz, Sandra J Disclosed no conflict of interest.

Shumareva, Mariya Disclosed no conflict of interest.

Shunsuke, Akai Disclosed no conflict of interest.

Shutkind, Kyle Disclosed no conflict of interest.

Shyu, Peter Disclosed no conflict of interest.

Shyu, Peter T Disclosed no conflict of interest.

Shukunami, Chisa Disclosed no conflict of interest.

Shultz, Sandra J Disclosed no conflict of interest.

Shumareva, Mariya Disclosed no conflict of interest.

Shunsuke, Akai Disclosed no conflict of interest.

Shutkind, Kyle Disclosed no conflict of interest.

Shyu, Peter Disclosed no conflict of interest.

Shyu, Peter T Disclosed no conflict of interest.

Shukla, Swati Disclosed no conflict of interest. 3A: Dr. Swati Shukla is a Cofounder and paid employee of Serigen Mediproducts and receives salary from the company; 4: Dr. Swati Shukla owns stock in Serigen Mediproducts.

Siahaan, Jacob J Disclosed no conflict of interest.

Siako, Glenn Disclosed no conflict of interest.

Siato, Akira Disclosed no conflict of interest.

Sibong, Scott C Disclosed no conflict of interest.

Sibonga, Jean Disclosed no conflict of interest.

Siddabattula, Rohit Disclosed no conflict of interest.

Siddiq, Bilal Disclosed no conflict of interest.

Siddiq, Bilal S Disclosed no conflict of interest.

Siddiqui, Zain Disclosed no conflict of interest.

Sidky, Emil Y Disclosed no conflict of interest.

Siebenrock, Klaus Disclosed no conflict of interest.

Sieberer, Johannes Disclosed no conflict of interest.

Siegler, Sorin Disclosed no conflict of interest.

Siegmund, Thomas Disclosed no conflict of interest.

Siggelkow, Eik Disclosed no conflict of interest. 3A: Zimmer Biomet; 4: Zimmer Biomet.

Sikes, Katie Disclosed no conflict of interest.
Silber, Jeffrey ....................... Disclosed no conflict of interest.
Silbernagel, Karin M G .............. Disclosed no conflict of interest.
Silva, Matthew .......................... 7B: Matthew Silva; 8: Matthew Silva; 9: Matthew Silva.
Silvan Ortubay, Aimar .................. Disclosed no conflict of interest.
Silverman, Jill L .......................... Disclosed no conflict of interest.
Silwal, Prashanta .......................... Disclosed no conflict of interest.
Sim, JiHyun ................................. Disclosed no conflict of interest.
Sim, Sotcheadt ............................ 3A: Biomomentum Inc.
Simkin, Jenifer ........................... Disclosed no conflict of interest.
Simkin, Jennifer .......................... Disclosed no conflict of interest.
Simkulet, Matthew ........................ Disclosed no conflict of interest.
Simmons, Scott ........................... Disclosed no conflict of interest.
Simmons, Scott J .......................... Disclosed no conflict of interest.
Simões, Marcelo S. ...................... Disclosed no conflict of interest.
Simon, Andrew D .......................... Disclosed no conflict of interest.
Simon, Julinna C. .......................... Disclosed no conflict of interest.
Simon, Peter .............................. Disclosed no conflict of interest.
Simoncini, Alberto ........................ Disclosed no conflict of interest.
Simonian, Lauren ......................... Disclosed no conflict of interest.
Simpson, Hamish .......................... Disclosed no conflict of interest.
Simpson, Robert ........................... Disclosed no conflict of interest.
Simpson, Stefanie J ....................... Disclosed no conflict of interest.
Sinacore, David ........................... Disclosed no conflict of interest.
Sinder, Benjamin .......................... Disclosed no conflict of interest.
Sindu Pugazhendhi, Abinaya ....... Disclosed no conflict of interest.
Singer, Jacob .............................. Disclosed no conflict of interest.
Singh, Amit ............................... Disclosed no conflict of interest.
Singh, Anshu ............................... Disclosed no conflict of interest.
Singh, Anshuman...Disclosed no conflict of interest.
Singh, Gurbinder...Disclosed no conflict of interest.
Singh, Harjeev...Disclosed no conflict of interest.
Singh, Harsev...Disclosed no conflict of interest.
Singh, Harvinder...Disclosed no conflict of interest.
Singh, Mallika...Disclosed no conflict of interest.
Singh, Purva...Disclosed no conflict of interest.
Singh, Srujan...Disclosed no conflict of interest.
Singleton, Ian...Disclosed no conflict of interest.
Sinishtaj, Noah...Disclosed no conflict of interest.
Sinn, Anthony L...Disclosed no conflict of interest.
Siponkoski, Tuomo...Disclosed no conflict of interest.
Sise, CV...Disclosed no conflict of interest.
Sisson, Mary...Disclosed no conflict of interest.
Siston, Robert...Disclosed no conflict of interest.
Sivakumar, Rahulan...Disclosed no conflict of interest.
Siverino, Claudia...Disclosed no conflict of interest.
Sjogren, Amanda...Disclosed no conflict of interest.
Skalitzky, Mary Kate...Disclosed no conflict of interest.
Skedros, John G...Disclosed no conflict of interest.
Skeith, Leslie...Disclosed no conflict of interest.
Skelton, Anne...Disclosed no conflict of interest.
Skerrett, Donna...3A: Paradigm Biopharmaceuticals Ltd.; 4: Paradigm Biopharmaceuticals Ltd; 9: Paradigm Biopharmaceuticals Ltd.
Sketchler, Benjamin...Disclosed no conflict of interest.
Skinner, Harry B...4: Bone-Rad Therapeutics, Inc; 7A: Kinamed.
Skorka, Tautis .......................... Disclosed no conflict of interest.
Slate, Elizabeth ...................... Disclosed no conflict of interest.
Slavens, Brooke A ...................... Disclosed no conflict of interest.
Slusarczyk, Sonia M .................. Disclosed no conflict of interest.
Smailys, Alfredas ..................... Disclosed no conflict of interest.
Smallwood, Robert ................... Disclosed no conflict of interest.
Smeeton, Joanna ....................... Disclosed no conflict of interest.
Smith, Andrew K ...................... Disclosed no conflict of interest.
Smith, Benjamin L .................... 3A: Arthrex, Inc.
Smith, Carly J ......................... Disclosed no conflict of interest.
Smith, Clark .......................... Disclosed no conflict of interest.
Smith, Colin .......................... Disclosed no conflict of interest.
Smith, Eric ........................... Disclosed no conflict of interest.
Smith, Harvey ......................... Disclosed no conflict of interest.
Smith, Isabelle ....................... Disclosed no conflict of interest.
Smith, Jesse .......................... Disclosed no conflict of interest.
Smith, Kyra W. Y ..................... Disclosed no conflict of interest.
Smith, Lachlan J .................... 8: JOR Spine, Connective Tissue Research; 9: ORS Spine Section,
   National MPS Society.
Smith, Langan S ..................... Disclosed no conflict of interest.
Smith, Nolan S ....................... Disclosed no conflict of interest.
Smith, Richard DJ ................... Disclosed no conflict of interest.
Smith, Walter ......................... Disclosed no conflict of interest.
Smith-Voudouris, Julian .......... Disclosed no conflict of interest.
Smolenkova, Irina ................... Disclosed no conflict of interest.
Smolev, Emma ....................... Disclosed no conflict of interest.
Smolinski, Michael .................. Disclosed no conflict of interest.
Smolinski, Patrick ................... Disclosed no conflict of interest.
Smuck, Matthew W .................. Disclosed no conflict of interest.
Smyk, Roxolana ........................Disclosed no conflict of interest.

Smykowski, Matthew ..................Disclosed no conflict of interest.

Smykowski, Matthew R. ..............Disclosed no conflict of interest.

Smyth, James W ........................Disclosed no conflict of interest.

Snapper, Dustin M ........................Disclosed no conflict of interest.


Snelling, Sarah ........................Disclosed no conflict of interest.

Snider, Justin M ........................Disclosed no conflict of interest.

Snyder, Brian ..........................3B: Orthopediatrics.

Snyder, Brian D ........................Disclosed no conflict of interest.

Snyder, Brian D ........................Disclosed no conflict of interest.

Sobajima, Satoshi ......................Disclosed no conflict of interest.

Sobel, Andrew ..........................Disclosed no conflict of interest.

Soehnlen, Sophia ........................Disclosed no conflict of interest.

Soffin, Ellen M ........................Disclosed no conflict of interest.

Sohn, David .............................Disclosed no conflict of interest.

Sohn, Sora ..............................Disclosed no conflict of interest.

Soin, Sandeep ..........................Disclosed no conflict of interest.

Soin, Sandeep P ........................Disclosed no conflict of interest.

Soji, Tani ..............................Disclosed no conflict of interest.

Solberg, Peder ........................Disclosed no conflict of interest.

Solberg, Peder C .......................Disclosed no conflict of interest.

Soleymani, Farzan ......................Disclosed no conflict of interest.

Solitro, Giovanni ........................Disclosed no conflict of interest.

Solitro, Giovanni F .....................Disclosed no conflict of interest.

Solomon, Hanna ........................Disclosed no conflict of interest.

Solomon, Lucian ........................Disclosed no conflict of interest.
Solomon, Mark E .......................... 3B: OSSIO, Stryker, Arthrex, Orthofix.
Solomon, Sean .............................. Disclosed no conflict of interest.
Solorzano, Ernesto .......................... Disclosed no conflict of interest.
Solsona-Pujol, Aina .......................... Disclosed no conflict of interest.
Soltani, Zahra .............................. Disclosed no conflict of interest.
Soltanolkotabi, Maryam .......................... Disclosed no conflict of interest.
Soma, Hazuki ............................... 3A: TUNZ Pharma Co., Ltd.
Soma, Yuichiro .............................. Disclosed no conflict of interest.
Somerson, Jemerey .......................... Disclosed no conflict of interest.
Sominsky, Levy A ............................ Disclosed no conflict of interest.
Sommer, Ulrike .......................... Disclosed no conflict of interest.
Sonekatsu, Mayumi .......................... Disclosed no conflict of interest.
Song, Hengyue .............................. Disclosed no conflict of interest.
Song, Jaehwang .......................... Disclosed no conflict of interest.
Song, Jinsup ............................... 3B: Biomed Consulting, Inc.
Song, Junho .............................. Disclosed no conflict of interest.
Song, Ke .............................. Disclosed no conflict of interest.
Song, Lee .............................. Disclosed no conflict of interest.
Song, Michelle .......................... Disclosed no conflict of interest.
Song, Min Jun .............................. Disclosed no conflict of interest.
Song, Xin .............................. Disclosed no conflict of interest.
Soni, Rajesh K. .......................... Disclosed no conflict of interest.
Sono, Takashi .......................... Disclosed no conflict of interest.
Sonohata, Motoki .......................... Disclosed no conflict of interest.
Soodmand, Iman .......................... Disclosed no conflict of interest.
SooHoo, Nelson .......................... 4: FleX Orthopaedics Inc.
SooHoo, Nelson F .......................... 4: Co-founder of FleX Orthopaedics, Inc.
SooHoo, Nelson F .......................... 4: FleX Orthopaedics Inc.
SooHoo, Nelson F .......................... 4: FleX Orthopedics; 8: Orthopedics Today, Techniques in foot and ankle surgery.
Soong, Daniel .................Disclosed no conflict of interest.
Sordilla, Sophia ..................Disclosed no conflict of interest.
Soroudi, Daniel ..................Disclosed no conflict of interest.
Soslowsky, Lou ..................Disclosed no conflict of interest.
Soslowsky, Lou J .................Disclosed no conflict of interest.
Soto Colon, Isai .................Disclosed no conflict of interest.
Sotozono, Yasutaka ..............Disclosed no conflict of interest.
Soufi, Mazen ......................Disclosed no conflict of interest.
Soundararajan, Abirami ........Disclosed no conflict of interest.
South, Sanique M ..............Disclosed no conflict of interest.
Sowa, Gwendolyn ...............Disclosed no conflict of interest.
Sowa, Gwendolyn A .............Disclosed no conflict of interest.
Spack, Katherine ...............Disclosed no conflict of interest.
Spack, Katherine A .............Disclosed no conflict of interest.
Spaeter, Thomas .................Disclosed no conflict of interest.
Spagnoli, Anna ..................Disclosed no conflict of interest.
Spagnuolo, Francesca D. ........Disclosed no conflict of interest.
Spang, Jeffrey ..................Disclosed no conflict of interest.
Spang, Jeffrey T .................Disclosed no conflict of interest.
Spangenberg, Gregory W .......Disclosed no conflict of interest.
Sparkes, Valerie .................Disclosed no conflict of interest.
Sparks, Nolan ....................Disclosed no conflict of interest.
Spath, Alexandra ...............Disclosed no conflict of interest.
Spina, Aidin ......................Disclosed no conflict of interest.
Spinnato, Paolo .................Disclosed no conflict of interest.
Spirig, Jose M ..................Disclosed no conflict of interest.
Spirig, José Miguel M ..........Disclosed no conflict of interest.
Spitchley, Matthew .............Disclosed no conflict of interest.
Spitler, Clay A ..................Disclosed no conflict of interest.

Spoelstra, Laurens Disclosed no conflict of interest.

Sponenberg, Rebecca Disclosed no conflict of interest.

Sprangel, Kell Disclosed no conflict of interest.


Spritzer, Charles Disclosed no conflict of interest.

Spritzer, Charles E. Disclosed no conflict of interest.

Sprung, Robert W Disclosed no conflict of interest.

Spurri, Amanda Disclosed no conflict of interest.


Srinivasan, Sundar Disclosed no conflict of interest.

St George, Stefan A Disclosed no conflict of interest.

Stabile, Hunter Disclosed no conflict of interest.

Stadelmann, Vincent A 3B: PAID CONSULTANT Flowbone SA.

Staines, Katherine A Disclosed no conflict of interest.
StAmant, Jennifer ..........................Disclosed no conflict of interest.

Stange, Richard ..........................Disclosed no conflict of interest.

Stanley, Mackenzie ..........................Disclosed no conflict of interest.


Stapleton, Sean .........................Disclosed no conflict of interest.

Stappenbeck, Thaddeus ..................Disclosed no conflict of interest.

Stark, Phoebe ..........................Disclosed no conflict of interest.

Stassen, Roderick ..........................Disclosed no conflict of interest.

Stassen, Roderick H.M.J. ...............Disclosed no conflict of interest.

Statum, Sheronda .......................Disclosed no conflict of interest.

Stauber, Tino .............................Disclosed no conflict of interest.

Stauch, Christopher ...................Disclosed no conflict of interest.

Stavrakis, Alexandra ..................Disclosed no conflict of interest.

Stavrakis, Alexandra I ..................3B: Smith and Nephew.

Stay, Gabriel S .........................Disclosed no conflict of interest.

Steckbeck, Kathleen ...................3A: Zimmer Biomet.

Stefani, Laurel .........................Disclosed no conflict of interest.

Stefanik, Joshua ......................Disclosed no conflict of interest.
Stefko, Joseph.......................... Disclosed no conflict of interest.
Steijns, Jessica ..................... Disclosed no conflict of interest.
Steijns, Jessica S.J.J. .......... Disclosed no conflict of interest.
Steinbaum, Alyssa ................. Disclosed no conflict of interest.
Steinberg, David ................... Disclosed no conflict of interest.
Steinberger, Collin ............... Disclosed no conflict of interest.
Steineman, Brett ................... Disclosed no conflict of interest.
Steiner, Bettina.................... Disclosed no conflict of interest.
Steijns, Jessica S.J.J. .......... Disclosed no conflict of interest.
Steinbaum, Alyssa ................. Disclosed no conflict of interest.
Steinberg, David ................... Disclosed no conflict of interest.
Steinberger, Collin ............... Disclosed no conflict of interest.
Steineman, Brett ................... Disclosed no conflict of interest.
Steiner, Bettina.................... Disclosed no conflict of interest.
Steltzer, Stephanie S .......... Disclosed no conflict of interest.
Steltzer, Stephanie S. ......... Disclosed no conflict of interest.
Stemper, Brian D .................. Disclosed no conflict of interest.
Sten, Margaret .................... Disclosed no conflict of interest.
Stenroth, Lauri .................... Disclosed no conflict of interest.
Stephens, Kaitlyn............... Disclosed no conflict of interest.
Steppacher, Simon ............... Disclosed no conflict of interest.
Stetzelberger, Vera.............. Disclosed no conflict of interest.
Steuer, Fritz ....................... Disclosed no conflict of interest.
Steuerwald, Nury ................ Disclosed no conflict of interest.
Stevanovic, Milan ............... Disclosed no conflict of interest.
Stevens, Cole ..................... Disclosed no conflict of interest.
Stevens, Molly .................... Disclosed no conflict of interest.
Stivic, Una ......................... Disclosed no conflict of interest.
Steward, Oswald............... Disclosed no conflict of interest.
Stewart, Adina .................... Disclosed no conflict of interest.
Stewart, David H............... 3A: David Stewart; 4: David Stewart.
Stewart, Holly ..................... Disclosed no conflict of interest.
Stewart, Holly L ................. Disclosed no conflict of interest.
Stewart, Matthew ............... Disclosed no conflict of interest.
Stief, Felix ....................... Disclosed no conflict of interest.
Stilling, Maiken.................. Disclosed no conflict of interest.
Stitzlein, Russell N................ Disclosed no conflict of interest.
Stitzlein, Russell N................ Disclosed no conflict of interest.
Stock, Harlan........................ Disclosed no conflict of interest.
Stöckle, Ulrich.................. Disclosed no conflict of interest.
Stock, Gregory.................. 3C: Signature Orthopedics.
Stoddart, Martin.................. Disclosed no conflict of interest.
Stoddart, Martin J................ Disclosed no conflict of interest.
Stoeckl, Brendan.................. Disclosed no conflict of interest.
Stoffel, Marcus.................. Disclosed no conflict of interest.
Stoker, Aaron.................. 1: Arthrex, MTF.
Stoker, Aaron.................. 7A: Musculoskeletal Transplant Foundation.
Stoker, Aaron M.................. 1: MTF.
Stokes, Hannah.................. Disclosed no conflict of interest.
Stokes, Hannah L................ Disclosed no conflict of interest.
Stolle, Jordan.................. Disclosed no conflict of interest.
Stolzenberg, Laurence.............. Disclosed no conflict of interest.
Stone, Benjamin.................. Disclosed no conflict of interest.
Stone, Laura.................. Disclosed no conflict of interest.
Stoneback, Jason W................ Disclosed no conflict of interest.
Stoner, Lee.................. Disclosed no conflict of interest.
Stonestreet, Diane............... Disclosed no conflict of interest.
Storey, Kyle J.................. Disclosed no conflict of interest.
Stout, Madelyn R................ Disclosed no conflict of interest.
Stover, Joshua.................. Disclosed no conflict of interest.
Stowe, Emma J.................. Disclosed no conflict of interest.
Strait, Lia K.................. Disclosed no conflict of interest.
Stravinskas, Mindaugas

Strawser, Payton

Strayer, Tristan

Street, John

Stricker, Sigmar

Strickler, Chance

Strickler, Chance D

Strigenz, Adam

Struijk, Caroline

Stuckey, Ryan M

Stucky, Renee

Stulberg, Jonah J

Stupp, Samuel

Su, Chen

Su, Eileen

Su, Eileen Y.

Su, Favian

Su, Xingqi

Subramanian, Arul

Subramanian, Shonali

Such, Kimberly

Suchyna, Thomas M

Suda, Yoshihito

Suderman, Richard

Suderman, Richard P

Sudo, Akihiro

Sudo, Hideki

Suehara, Yoshiyuki

Disclosed no conflict of interest.
Sugawara, Atsushi .......................... Disclosed no conflict of interest.
Sugawara-Narutaki, Ayae ............ Disclosed no conflict of interest.
Sugaya, Hisashi .......................... Disclosed no conflict of interest.
Sugi, Akira .................................. Disclosed no conflict of interest.
Sugimura, Natsuki .......................... Disclosed no conflict of interest.
Sugiura, Kosuke .......................... Disclosed no conflict of interest.
Sugiyama, Hajime .......................... Disclosed no conflict of interest.
Suh, Dong Won .......................... Disclosed no conflict of interest.
Suh, Thomas .......................... Disclosed no conflict of interest.
Suh, Yehyun .......................... Disclosed no conflict of interest.
Suhaiba, Aisha .......................... Disclosed no conflict of interest.
Suhardi, Vincentius .................... Disclosed no conflict of interest.
Suito, Hirai .................................. Disclosed no conflict of interest.
Sukenari, Tsuyoshi .......................... Disclosed no conflict of interest.
Sullentrup, Anna .................... Disclosed no conflict of interest.
Sullentrup, Anna N. .................... Disclosed no conflict of interest.
Sullivan, Jennifer C .................... Disclosed no conflict of interest.
Sullivan, Thomas .......................... Disclosed no conflict of interest.
Sullivan, Thomas C. .................... Disclosed no conflict of interest.
Sumimoto, Yasuhiko .................... Disclosed no conflict of interest.
Sumner, Rick .......................... Disclosed no conflict of interest.
Sumughan, Saurav .................... Disclosed no conflict of interest.
Sun, Changqi .......................... Disclosed no conflict of interest.
Sun, Daniel .......................... Disclosed no conflict of interest.
Sun, Guodong .......................... Disclosed no conflict of interest.
Sun, Hong .......................... Disclosed no conflict of interest.
Sun, Hui .................................. Disclosed no conflict of interest.
Sun, Jian .......................... Disclosed no conflict of interest.
Sun, Jui-Sheng .......................... Disclosed no conflict of interest.
Sun, Jun .......................... Disclosed no conflict of interest.
Sun, Robin .......................... Disclosed no conflict of interest.
Sun, Shuchun .......................... Disclosed no conflict of interest.
Sun, Wei .......................... Disclosed no conflict of interest.
Sun, Xiaocun .......................... Disclosed no conflict of interest.
Sun, Xiaoxiao .......................... Disclosed no conflict of interest.
Sun, Yani .......................... Disclosed no conflict of interest.
Sun, Yi .......................... Disclosed no conflict of interest.
Sun, Ying .......................... Disclosed no conflict of interest.
Sun, Yu .......................... Disclosed no conflict of interest.
Sunami, Takahiro .......................... Disclosed no conflict of interest.
Sundar, Shalini .......................... Disclosed no conflict of interest.
Suneja, Nishant .......................... Disclosed no conflict of interest.
Sup, McKenzie E .......................... Disclosed no conflict of interest.
Suresh, Shilpa .......................... Disclosed no conflict of interest.
Surnedi, Hari .......................... Disclosed no conflict of interest.
Surowiec, Rachel .......................... Disclosed no conflict of interest.
Surowiec, Rachel K. .......................... Disclosed no conflict of interest.
Surtel, Don A.M. .......................... Disclosed no conflict of interest.
Surucu, Serkan .......................... Disclosed no conflict of interest.
Sutter, Edward G. .......................... Disclosed no conflict of interest.
Suzuki, Akemi .......................... Disclosed no conflict of interest.
Suzuki, Hisataka .......................... Disclosed no conflict of interest.
Suzuki, Jun .......................... Disclosed no conflict of interest.
Suzuki, Miyako .......................... Disclosed no conflict of interest.
Suzuki, Naoki .......................... Disclosed no conflict of interest.
Suzuki, Nobuyuki .......................... Disclosed no conflict of interest.
Suzuki, Shoji .......................... Disclosed no conflict of interest.
Suzuki, Takashi .......................... Disclosed no conflict of interest.
Suzuki, Tomoaki .......................... Disclosed no conflict of interest.
Suzuki, Tomoto .......................... Disclosed no conflict of interest.
Suzuki, Yuji .............................. Disclosed no conflict of interest.
Suzuki, Yuki .............................. Disclosed no conflict of interest.
Swain, Caleb .............................. Disclosed no conflict of interest.
Swain, Lauren .............................. Disclosed no conflict of interest.
Swami, Pooja .............................. Disclosed no conflict of interest.
Swamy, Ganesh .......................... Disclosed no conflict of interest.
Swamydas, Muthulekha ............... Disclosed no conflict of interest.
Swarnkar, Gaurav ........................ Disclosed no conflict of interest.
Swartz, Sharon .......................... Disclosed no conflict of interest.
Swarup, Ishaan ............................ Disclosed no conflict of interest.
Swayambunathan, Jay ..................... Disclosed no conflict of interest.
Swearingen, Brad .......................... Disclosed no conflict of interest.
Swiergosz, Andrew ....................... Disclosed no conflict of interest.
Swiggett, Samuel .......................... Disclosed no conflict of interest.
Swink, Isaac ............................... Disclosed no conflict of interest.
Swink, Isaac R .............................. Disclosed no conflict of interest.
Swink, Isaac R .............................. 6: Kyocera.
Swink, Isaac R .............................. 6: Spinal Simplicity.
Syeda, Ruhma .............................. Disclosed no conflict of interest.
Sypherd, James .......................... Disclosed no conflict of interest.
Szakiel, Paulina .......................... Disclosed no conflict of interest.
Szczesny, Spencer ........................ Disclosed no conflict of interest.
Szejnfeld Mann, Tania ..................... Disclosed no conflict of interest.
Szema, Anthony M ........................ Disclosed no conflict of interest.
Szeto, Hazel H ............................ Disclosed no conflict of interest.
Szeto, Nicole ............................. Disclosed no conflict of interest.
Szivek, John A. ........................... Disclosed no conflict of interest.
Szlufcik, Mike ............................ Disclosed no conflict of interest.
Szulc, E. Lois ............................. Disclosed no conflict of interest.
T Mathew, Mathew Disclosed no conflict of interest.
T. Annamalai, Ramkumar Disclosed no conflict of interest.
Tabata, Yasuhiko Disclosed no conflict of interest.
Tabdanov, Erdem Disclosed no conflict of interest.
Taboada, Phillip Disclosed no conflict of interest.
Tabrizian, Maryam Disclosed no conflict of interest.
Tachi, Hiroyuki Disclosed no conflict of interest.
Tachibana, Shotaro Disclosed no conflict of interest.
Tachibana, Toshiya Disclosed no conflict of interest.
Tachibana, Yuta Disclosed no conflict of interest.
Tack, Greta Disclosed no conflict of interest.
Tadiwala, Jamshid Disclosed no conflict of interest.
Tagil, Magnus 4: Moroxite AB.
Tägil, Magnus 4: MT is a cofounder of Moroxite F AB and owns stocks in Moroxite F AB.
Taguchi, Akihiko Disclosed no conflict of interest.
Taheri, Mehrangiz Disclosed no conflict of interest.
Tahmassebi, Jenni Disclosed no conflict of interest.
Taiji, Ryo Disclosed no conflict of interest.
Taira, Ethan Disclosed no conflict of interest.
Taisuke, Yoneya Disclosed no conflict of interest.
Tajima, Goro Disclosed no conflict of interest.
Tajima, Takafumi Disclosed no conflict of interest.
Tajima, Takuya Disclosed no conflict of interest.
Takaba, Keishi Disclosed no conflict of interest.
Takada, Ryohei Disclosed no conflict of interest.
Takagi, Michiaki Disclosed no conflict of interest.
Takagi, Shigeru Disclosed no conflict of interest.
Takahashi, Amiru 3A: teijin nakashima medical.
Takahashi, Daisuke Disclosed no conflict of interest.
Takahashi, Hiroshi .......................... *Disclosed no conflict of interest.*
Takahashi, Hirotaka ....................... *Disclosed no conflict of interest.*
Takahashi, Hiroyuki ........................ *3A: Teijin Nakashima Medical.*
Takahashi, Ikuko .......................... *Disclosed no conflict of interest.*
Takahashi, Katsunori ...................... *Disclosed no conflict of interest.*
Takahashi, Kenji .......................... *Disclosed no conflict of interest.*
Takahashi, Nobuyasu ...................... *Disclosed no conflict of interest.*
Takahashi, Takashi ....................... *Disclosed no conflict of interest.*
Takahashi, Yoshiyuki ..................... *Disclosed no conflict of interest.*
Takahata, Kei ............................. *Disclosed no conflict of interest.*
Takahata, Masahiko ...................... *Disclosed no conflict of interest.*
Takahiko, Hyakumachi ................... *Disclosed no conflict of interest.*
Takakubo, Yuya ........................... *Disclosed no conflict of interest.*
Takakura, Nobuyuki ...................... *Disclosed no conflict of interest.*
Takami, Kenji ............................. *Disclosed no conflict of interest.*
Takami, Toshiharu ......................... *Disclosed no conflict of interest.*
Takase, Kyohei ........................... *Disclosed no conflict of interest.*
Takashima, Hiroyuki ...................... *Disclosed no conflict of interest.*
Takashima, Kazuma ....................... *Disclosed no conflict of interest.*
Takasu, Chiharu ........................... *Disclosed no conflict of interest.*
Takata, Yasushi ........................... *Disclosed no conflict of interest.*
Takatori, Ryota ........................... *Disclosed no conflict of interest.*
Takatsuji, Kenta ........................... *Disclosed no conflict of interest.*
Takayanagi, Kiyomi ...................... *Disclosed no conflict of interest.*
Take, Yasuhiro ........................... *Disclosed no conflict of interest.*
Takegami, Norihiko ...................... *Disclosed no conflict of interest.*
Takegami, Yasuhiko ...................... *Disclosed no conflict of interest.*
Takemura, Marie .......................... *Disclosed no conflict of interest.*
Takenaga, Tetsuya ..........................Disclosed no conflict of interest.
Takeoka, Yoshiki ..........................6: Surgical Spine, Inc.
Takeshi, Katsushi ..........................Disclosed no conflict of interest.
Takeshita, Katsushi ..........................Disclosed no conflict of interest.
Taketomi, Shuji ..........................Disclosed no conflict of interest.
Takeuchi, Satoshi ..........................Disclosed no conflict of interest.
Takeura, Nobuaki ..........................Disclosed no conflict of interest.
Takeyama, Masanobu ......................1: Yusuke, Kawabata, Keijy, Saito, Tomotaka, Yoshida, Shintaro, Fujita, Yutaka, naba.
Takigami, Shunsaku ..........................Disclosed no conflict of interest.
Takimoto, Aki ..............................Disclosed no conflict of interest.
Takuya, Iseki ..............................Disclosed no conflict of interest.
Talaie, Reza ..............................Disclosed no conflict of interest.
Talaski, Grayson ..........................Disclosed no conflict of interest.
Talaski, Grayson M. ..........................Disclosed no conflict of interest.
Taleb, Shahnaz ..........................Disclosed no conflict of interest.
Talusian, Paul ..........................Disclosed no conflict of interest.
Tam, Kathleen ..........................Disclosed no conflict of interest.
Tam, Wai Kit ..............................Disclosed no conflict of interest.
Tamagawa, Shota ..........................Disclosed no conflict of interest.
Tamai, Hidenobu ..........................Disclosed no conflict of interest.
Tamaki, Masashi ..........................Disclosed no conflict of interest.
Tamburro, Margaret ..........................Disclosed no conflict of interest.
Tamburro, Margaret K ..................Disclosed no conflict of interest.
Tamer, Christyano ..........................Disclosed no conflict of interest.
Tamer, Greg R ..........................Disclosed no conflict of interest.
Tamura, Masanori ..........................Disclosed no conflict of interest.
Tamweber, Zachary ..........................Disclosed no conflict of interest.
Tan, Adrian ......................*Disclosed no conflict of interest.*
Tan, Casandra .................*Disclosed no conflict of interest.*
Tan, Ek ............................*Disclosed no conflict of interest.*
Tan, Ek Tsoon ....................*Disclosed no conflict of interest.*
Tan, Jian ..........................*Disclosed no conflict of interest.*
Tan, Kai ............................*Disclosed no conflict of interest.*
Tan, Richard .....................*Disclosed no conflict of interest.*
Tanabe, Yuuka ...................*Disclosed no conflict of interest.*
Tanaka, Ayaka ...................*Disclosed no conflict of interest.*
Tanaka, Hiroyuki .................*Disclosed no conflict of interest.*
Tanaka, Masaki ...................*Disclosed no conflict of interest.*
Tanaka, Miho .....................6: DePuy Mitek, Smith and Nephew.
Tanaka, Sakae ....................*Disclosed no conflict of interest.*
Tanaka, Shuya ....................*Disclosed no conflict of interest.*
Tanaka, Takeshi ..................3A: Hitachi, Ltd.
Tanaka, Yasuhiro ................*Disclosed no conflict of interest.*
Tanck, Esther ....................*Disclosed no conflict of interest.*
Tandio, Joshua ..................3A: Medical Device Development.
Tanenbaum, Joseph .............*Disclosed no conflict of interest.*
Tang, Joyce ......................*Disclosed no conflict of interest.*
Tang, Lily ..........................*Disclosed no conflict of interest.*
Tang, Liping ......................*Disclosed no conflict of interest.*
Tang, Qi ............................*Disclosed no conflict of interest.*
Tang, Ruhang .....................1: Agathos.
Tang, Simon ......................8: Osteoarthritis and Cartilage.
Tang, Simon Y ...................8: Osteoarthritis and Cartilage Editor.
Tang, Wentian ...................*Disclosed no conflict of interest.*
Tang, Yunting ....................*Disclosed no conflict of interest.*
Tanguay, Adam P .................*Disclosed no conflict of interest.*
Tani, Satoshi ....................*Disclosed no conflict of interest.*
Tani, Soji .................................. Disclosed no conflict of interest.
Tanifuji, Osamu .......................... Disclosed no conflict of interest.
Tanigawa, Hitoshi ........................ Disclosed no conflict of interest.
Taniguchi, Akira .......................... Disclosed no conflict of interest.
Taniguchi, Noboru ........................ Disclosed no conflict of interest.
Taniguchi, Wataru ........................ Disclosed no conflict of interest.
Tanino, Hiromasa ........................ 5: Asahikasei.
Tanner, Gabrielle ........................ Disclosed no conflict of interest.
Tanska, Petri ............................. Disclosed no conflict of interest.
Tantone, Ryan ........................... Disclosed no conflict of interest.
Tanveer, Maham .......................... Disclosed no conflict of interest.
Tanwar, Swati ........................... Disclosed no conflict of interest.
Tao, Siyue ................................. Disclosed no conflict of interest.
Tao, Youping .............................. Disclosed no conflict of interest.
Tapasvi, Sachin .......................... 3B: Smith and Nephew, Newclip Technics; 7A: Jaypee Publications; 9: Indian Arthroscopy Society, ISAKOS, APOA.
Tappa, Victoria ........................... Disclosed no conflict of interest.
Taraballi, Francesca ....................... Disclosed no conflict of interest.
Tarabichi, Majd ........................... Disclosed no conflict of interest.
Tarafder, Solaiman ........................ Disclosed no conflict of interest.
Tarantino, Roberto ......................... Disclosed no conflict of interest.
Tarasevicius, Sarunas ..................... Disclosed no conflict of interest.
Tarcea, Adina ............................. Disclosed no conflict of interest.
Tarima, Sergey ........................... Disclosed no conflict of interest.
Tarukado, Devavrat ......................... Disclosed no conflict of interest.
Tashbib, Eliya Tazreena ..................... Disclosed no conflict of interest.
Tashjian, Robert ......................... Disclosed no conflict of interest.

Tashman, Scott ..........................Disclosed no conflict of interest.

Tassey, Jade..........................Disclosed no conflict of interest.

Tassone, Channing J ..........................Disclosed no conflict of interest.

Tateiwa, Daisuke ..................Disclosed no conflict of interest.

Tateyama, Yui ..................Disclosed no conflict of interest.

Tatsuno, Rikito ..........................Disclosed no conflict of interest.

Tatusko, Megan ..................Disclosed no conflict of interest.

Tauer, Josephine T ..........................Disclosed no conflict of interest.

Tawabi, Nazgol ..........................Disclosed no conflict of interest.

Tawackoli, Wafa ..........................Disclosed no conflict of interest.

Tawaratsumida, Hiroki ..........................Disclosed no conflict of interest.

Tay, Allie Jia Hui..................Disclosed no conflict of interest.

Taye, Nandaraj ..........................Disclosed no conflict of interest.

Taylan, Orçun ..........................Disclosed no conflict of interest.

Taylor, Brittany L ..................Disclosed no conflict of interest.

Taylor, Conner ..........................Disclosed no conflict of interest.

Taylor, Isaiah ..........................Disclosed no conflict of interest.

Taylor, Kelly ..........................Disclosed no conflict of interest.

Taylor, Matthew A. ..........................Disclosed no conflict of interest.

Taylor, Reggiem ..........................Disclosed no conflict of interest.

Taylor, William R ..........................Disclosed no conflict of interest.

Tecle, Nahom ..........................Disclosed no conflict of interest.

Tedesco, Amanda ..........................Disclosed no conflict of interest.

Tedesco, Giuseppe ..........................Disclosed no conflict of interest.

Tee, Ching Ann ..........................Disclosed no conflict of interest.


Teichner, Eric ............................ Disclosed no conflict of interest.

Teitelbaum, Marc ............................ Disclosed no conflict of interest.

Teixeira, Graciosa ............................ Disclosed no conflict of interest.

Teixeira, Graciosa Q. ........................ Disclosed no conflict of interest.

Tel, Jurjen ............................ Disclosed no conflict of interest.

Telang, Sagar ............................ Disclosed no conflict of interest.

Telgheder, Zachary ........................ Disclosed no conflict of interest.

Teller, Sean ............................ 3B: Stryker.


Terabe, Kenya ............................ Disclosed no conflict of interest.

Terada, Hidenobu ............................ Disclosed no conflict of interest.

Terai, Yuki ............................ Disclosed no conflict of interest.

Terakawa, Hiroakira ............................ Disclosed no conflict of interest.

Teramoto, Atsushi ............................ Disclosed no conflict of interest.

Terao, Hidemasa ............................ Disclosed no conflict of interest.

Terauchi, Masanori ............................ Disclosed no conflict of interest.

Terkawi, Alaa M ............................ Disclosed no conflict of interest.

Terkawi, M Alaa ............................ Disclosed no conflict of interest.

Terkawi, Mohamad Alaa ............................ Disclosed no conflict of interest.

Tersteeg, Megan ............................ Disclosed no conflict of interest.

Tesoriero, Jack ............................ Disclosed no conflict of interest.

Teule, Erin H.S. ............................ Disclosed no conflict of interest.

Teunissen, Bram ............................ Disclosed no conflict of interest.

Teuschl-Woller, Andreas ............................ 4: co-founder and shareholder of the spin-off company “MorphoMed Gmbh” related to this project.

Tewari, Nikhil P. ............................ Disclosed no conflict of interest.

Textor, Martin ............................ Disclosed no conflict of interest.
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<td>Tharim, Rezaul</td>
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<td>Thirukumaran, Caroline</td>
<td>2: NIH, Brown University, Boston University; 5: NIH, Veterans Affairs, University of Rochester; 8: Anesthesia and Analgesia, Current Osteoporosis Reports; 9: AcademyHealth Surgical and Perioperative Care Interest Group, Orthopaedic Research Society.</td>
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<td>Thirukumaran, Caroline</td>
<td>2: NIH, Brown University, Boston University; 5: NIH, Veterans Affairs, University of Rochester; 8: Anesthesia and Analgesia, Current Osteoporosis Reports; 9: AcademyHealth Surgical and Perioperative Care Interest Group, Orthopaedic Research Society.</td>
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Thomas, Matthew A ....................... Disclosed no conflict of interest.
Thometz, John .............................. Disclosed no conflict of interest.
Thomopoulos, Stavros .................. 8: Journal of Orthopedic Research.
Thompson, Jacob ....................... Disclosed no conflict of interest.
Thompson, Keith .......................... Disclosed no conflict of interest.
Thompson, Kerry .......................... Disclosed no conflict of interest.
Thompson, William R. ............... Disclosed no conflict of interest.
Thomson, Andrew ....................... Disclosed no conflict of interest.
Thomson, Andrew L. .................. Disclosed no conflict of interest.
Thomson, Michaela .................... Disclosed no conflict of interest.
Thomson, Rebecca ..................... Disclosed no conflict of interest.
Thordarson, David ..................... 1: Novastep; 2: Enovis, Paragon 28, Extremity Medical; 5: Paragon 28; 8: Foot and Ankle International; 9: AOFAS.
Thoreson, Andrew ....................... Disclosed no conflict of interest.
Thorhauer, Eric D. ..................... Disclosed no conflict of interest.
Thottappillil, Neelima .................. Disclosed no conflict of interest.
Throckmorton, Thomas ............... 3B: Exactech, Inc; 7A: Exactech, Inc.
Thurlow, Nat A .......................... Disclosed no conflict of interest.
Thurner, Philipp J. ..................... Disclosed no conflict of interest.
Tian, Xinggui ............................ Disclosed no conflict of interest.
Tiemeijer, Bart M ....................... Disclosed no conflict of interest.
Tien, Tudor .............................. 5: Paragon 28, Inc.
Tierney, Peyton ......................... Disclosed no conflict of interest.
Tigno-Aranjuez, Justine ............. Disclosed no conflict of interest.
Tijerina, Ricardo ....................... Disclosed no conflict of interest.
Tileston, Kali .......................... Disclosed no conflict of interest.
Tilley, Lauren .......................... Disclosed no conflict of interest.
Timmen, Melanie  
Disclosed no conflict of interest.

Timmermann, Claire  
Disclosed no conflict of interest.

Timmermann, Scott  
Disclosed no conflict of interest.

Ting, Shirley  
Disclosed no conflict of interest.

Tirelli Rebolho, Isabella  
Disclosed no conflict of interest.

Tischer, Thomas  
Disclosed no conflict of interest. 9: Member of Germany Society for Orthopaedics and Traumatology.

Tischler, Eric H  
Disclosed no conflict of interest.

Titan, Ashley  
Disclosed no conflict of interest.

Tjong, Vehniah  
Disclosed no conflict of interest. 2: Education payments from Arthex; 3A: Consulting fees from Smith and Nephew, Nonconsulting fees from Smith and Nephew.

Tjörnstrand, Jon  
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Disclosed no conflict of interest.

Toda, Hajime  
Disclosed no conflict of interest.

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Disclosed no conflict of interest.

Tohka, Jussi  
Disclosed no conflict of interest.

Toi, Masakazu  
Disclosed no conflict of interest.

Tokish, John M  
Disclosed no conflict of interest. 6: Arthrex, DePuy, Mitek; 8: Journal of Shoulder and Elbow Surgery; 9: AANA Presidential Line, Arthroscopy JBOT.

Tokita, Ryo  
Disclosed no conflict of interest.

Tokuhiro, Taiki  
Disclosed no conflict of interest.

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Disclosed no conflict of interest.

Tokumoto, Yasumasa  
Disclosed no conflict of interest.

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Disclosed no conflict of interest.

Toler, Krista  
Disclosed no conflict of interest. 3A: Zimmer Biomet; 4: Zimmer Biomet.

Tolgyesi, Allison  
Disclosed no conflict of interest.

Tollefson, Luke  
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Toma, Takashi  
Disclosed no conflict of interest.

Tomaru, Yohei  
Disclosed no conflict of interest.

Tome, Yasunori  
Disclosed no conflict of interest.

Tominaga, Hiroyuki  
Disclosed no conflict of interest.

Tomita, Tetsuya  
Disclosed no conflict of interest.
Tomlak, Alexa .......................... Disclosed no conflict of interest.
Tomlinson, Ryan ...................... Disclosed no conflict of interest.
Tommasini, Steven M ............... Disclosed no conflict of interest.
Tompkins, Marc ........................ Disclosed no conflict of interest.
Ton, Andy ............................... Disclosed no conflict of interest.
Tone, Shine .............................. Disclosed no conflict of interest.
Tong, Zhuangzhuang ................... Disclosed no conflict of interest.
Tonomura, Hitoshi ........................ Disclosed no conflict of interest.
Tonotsuka, Hisahiro .................. Disclosed no conflict of interest.
Topan, Andra Ioana ................... Disclosed no conflict of interest.
Torabian, Kaveh ........................ Disclosed no conflict of interest.
Torabian, Kaveh A .................... Disclosed no conflict of interest.
Tordoff, Benjamin .................... Disclosed no conflict of interest.
Toriyama, Minoru ..................... Disclosed no conflict of interest.
Tornberg, Haley ....................... Disclosed no conflict of interest.
Tornetta III, Paul ........................ 1: smith nephew; 7B: wolters kluwer.
Torniainen, Jari .......................... Disclosed no conflict of interest.
Toro, Sheila J ............................ Disclosed no conflict of interest.
Torquati, Alfonso ..................... Disclosed no conflict of interest.
Torre, Matthew ........................... Disclosed no conflict of interest.
Torres Espin, Abel .................... Disclosed no conflict of interest.
Torres-Espin, Abel .................... Disclosed no conflict of interest.
Tortora, Peter ........................... Disclosed no conflict of interest.
Tortorella, Micky ..................... Disclosed no conflict of interest.
Toshiya, Tachibana .................... Disclosed no conflict of interest.
Toth, Ferenc ............................. Disclosed no conflict of interest.
Totsuka, Sho ............................. Disclosed no conflict of interest.
Toups, Collin ........................... Disclosed no conflict of interest.
Tower, Robert ........................... Disclosed no conflict of interest.
Townsend, Kristy ...................... Disclosed no conflict of interest.
Townsend, R. Reid  
Toya, Masakazu  
Toyama, Shogo  
Toyoda, Eriko  
Töyräs, Juha  
Trail, Maggie  
Trampuz, Andrej  
Tran, Huan  
Tran, Sterling K  
Tran, Tien  
Trattnig, Siegfried  
Trautmann, Daniel  
Travascio, Francesco  
Trenchfield, Delano  
Trenkwalder, Katharina  
Trent, Sarah  
Trentadue, Taylor P.  
Tretiakov, Mikhail  
Trikha, Rishi  
Trinh, Paula Mai Phuong  
Tripathi, Darsh  
Tripathi, Sudharshan  
Tripathi, Vidushi  
Trischler, Cory  
Trivedi, Jay  
Trivedi, Ravi  
Troibisch, Per  
Trommer, Rafael M  
Trone, Matthew  
Troop, Leia

3A: Kolon TissueGene, Inc.

Troop, Leia D ................... Disclosed no conflict of interest.
Troupe, Carly .................. Disclosed no conflict of interest.
Truong, Ngoc .................. Disclosed no conflict of interest.
Trutschl, Marjan ............... Disclosed no conflict of interest.
Tsai, Jefferson ................ Disclosed no conflict of interest.
Tsai, Stephanie L .............. Disclosed no conflict of interest.
Tsai, Sung Huang Laurent .... Disclosed no conflict of interest.
Tsai, Tsung-Yuan ................ 4: TAOiMAGE Co., LTD.
Tsai, Tsung-Yuan ............... 4: TAOiMAGE Co.
Tsao, Yun-Ya ................... Disclosed no conflict of interest.
Tschumperlin, Daniel .......... Disclosed no conflict of interest.
Tseng, Mu-Cyun ................ Disclosed no conflict of interest.
Tsilioni, Irene .................. Disclosed no conflict of interest.
Tsinman, Tonia ................ Disclosed no conflict of interest.
Tsubosaka, Masanori .......... Disclosed no conflict of interest.
Tsuchiya, Atsushi ............. Disclosed no conflict of interest.
Tsuda, Takayuki ............... Disclosed no conflict of interest.
Tsujii, Kunikazu .............. Disclosed no conflict of interest.
Tsujii, Osahiko ................ Disclosed no conflict of interest.
Tsujii, Shunya .................. Disclosed no conflict of interest.
Tsujii, Akira ................... Disclosed no conflict of interest.
Tsujimoto, Takeru ............. Disclosed no conflict of interest.
Tsujimoto, Yuta ................ Disclosed no conflict of interest.
Tsujimura, Yoshitaka .......... Disclosed no conflict of interest.
Tsukamoto, Ichiro ............. Disclosed no conflict of interest.
Tsukamoto, Manabu ........... Disclosed no conflict of interest.
Tsukamoto, Yoshihiro ......... Disclosed no conflict of interest.
Tsunematsu, Toshitaka ....... Disclosed no conflict of interest.
Tsushima, Hidetoshi .......................... Disclosed no conflict of interest.
Tsutsumi, Sadami .......................... Disclosed no conflict of interest.
Tuan, Rocky .......................... Disclosed no conflict of interest.
Tucker, Nicholas J. .................... Disclosed no conflict of interest.
Tueni, Nicole .......................... Disclosed no conflict of interest.
Tuerlings, Tessa .................... Disclosed no conflict of interest.
Tujague, Landon ...................... Disclosed no conflict of interest.
Tuladhar, Anik ..................... Disclosed no conflict of interest.
Tung, Victoria W ..................... Disclosed no conflict of interest.
Tuppurainen, Juuso .......................... Disclosed no conflict of interest.
Turkiewicz, Aleksandra .................. 8: Statistical Editor for Osteoarthritis & Cartilage.
Turner, Joseph ....................... 3A: Acuity Surgical.
Turner, Robert ..................... Disclosed no conflict of interest.
Turunen, Mikael J ...................... 4: Aikoa Technologies Oy.
Turunen, Mikael J ...................... 4: Aikoa Technologies Oy.
Tuvida, Allison .......................... Disclosed no conflict of interest.
Twedt, Max ....................... Disclosed no conflict of interest.
Twedt, Max H .......................... Disclosed no conflict of interest.
Twomey-Kozak, John .................. Disclosed no conflict of interest.
Tyagi, Neetu ....................... Disclosed no conflict of interest.
Tyagi, Prisha ....................... Disclosed no conflict of interest.
Tyndall, Brooklyn .................. Disclosed no conflict of interest.
Uberti, Michela ....................... Disclosed no conflict of interest.
Uchibe, Kenta ....................... Disclosed no conflict of interest.
Uchida, Soshi ....................... 3B: Smith+Nephew, ConMed.
Uchiyama, Teruya .................... Disclosed no conflict of interest.
Uddin, Fares ....................... Disclosed no conflict of interest.
Uddin, Sardar ....................... Disclosed no conflict of interest.
Ueda, Erica A. ........................................3A: Lifespans, Ltd.; 4: Lifespans, Ltd.

Uehara, Fuminari........................Disclosed no conflict of interest.

Uehara, Kazuya..........................Disclosed no conflict of interest.

Uehara, Takenori........................Disclosed no conflict of interest.

Uemukai, Toru................................Disclosed no conflict of interest.

Uemura, Keisuke ..........................Disclosed no conflict of interest.

Ueno, Masaya..........................Disclosed no conflict of interest.

Ueno, Takeru..........................Disclosed no conflict of interest.

Ukeba, Daisuke..........................Disclosed no conflict of interest.

Ukishiro, Kengo..........................Disclosed no conflict of interest.

Ulrich, Bernhard W. ..................2: Aesculap AG, Medizintechnik Marquardt.

Ulmer, Jochen..........................3A: G.RAU Inc.

Ulrich, Gary ..........................Disclosed no conflict of interest.

Umali, Martin..........................Disclosed no conflict of interest.

Umebayashi, Mayumi..................Disclosed no conflict of interest.

Umemori, Kentaro..........................Disclosed no conflict of interest.

Umrao, Sachin..........................Disclosed no conflict of interest.

Ungurean, Victor..........................Disclosed no conflict of interest.

Uniyal, Ankit..........................Disclosed no conflict of interest.

Uno, Tomohiro..........................Disclosed no conflict of interest.

Unterfrauner, Ines..........................Disclosed no conflict of interest.

Unterguggenberger, Clemens ..............Disclosed no conflict of interest.


Updegrove, Gary ..................3B: Stryker, Depuy Synthes, Globus; 3C: Aevumed; 7A: Globus, Aevumed.

Upfill-Brown, Alex ..................4: FleX Orthopaedics Inc.
Upfill-Brown, Alexander .......................... 4: Co-founder of FleX Orthopaedics, Inc.

Uppuganti, Sasidhar .................................. Disclosed no conflict of interest.

Ura, Katsuro ........................................ Disclosed no conflict of interest.

Ural, Ani ........................................ Disclosed no conflict of interest.


Urdahl, Torben H.............................. Disclosed no conflict of interest.

Urish, Kenneth .................................. 5: Smith & Nephew.

Urness, Daniel .............................. Disclosed no conflict of interest.

Ursula, Styger .................................. Disclosed no conflict of interest.

Usami, Yuna ................................... Disclosed no conflict of interest.

Utsunomiya, Takeshi .......................... Disclosed no conflict of interest.

Uzcategui, Camila ............................. Disclosed no conflict of interest.

Uzer, Gunes .................................. Disclosed no conflict of interest.


**Vadala, Gianluca** .................9: EORS, ISSLS.

**Vaghela, Brianna** ..................Disclosed no conflict of interest.

**Vahid Alizadeh, Hossein** ............Disclosed no conflict of interest.

**Vahidi, Ghazal** .....................Disclosed no conflict of interest.

**Vaidya, Rachana** ........................Disclosed no conflict of interest.

**Vaidya, Rachana S** ..................Disclosed no conflict of interest.

**Vail, Thomas** ..........................Disclosed no conflict of interest.

**Vaish, Bhavya** ..........................Disclosed no conflict of interest.

**Valdes Hernandez, Pedro A** .........Disclosed no conflict of interest.


**Valencia, Melanie** ...................Disclosed no conflict of interest.

**Valenti, Alessia** .....................Disclosed no conflict of interest.

**Valerio, Michael S** ...................Disclosed no conflict of interest.

**Vallee, Emily K** .....................Disclosed no conflict of interest.

**Valpiana, Pieralberto** ...............Disclosed no conflict of interest.

**Van Boxtel, Matthew** ................Disclosed no conflict of interest.

**Van Citters, Douglas** .................5: DePuy, Medacta, RevBio, TJO.

**Van Citters, Douglas** .................5: Depuy Synthes, Medacta, RevBio, TJO.


**Van Citters, Douglas W** .............5: DePuy Synthes, Medacta, RevBio, TJO.

**van de Groes, Sebastiaan** ...........Disclosed no conflict of interest.
van den Akker, Guus ........................*Disclosed no conflict of interest.*  
van den Akker, Guus G  ..............*Disclosed no conflict of interest.*  
van den Akker, Guus G.H. ............*Disclosed no conflict of interest.*  
van der Graaf, Jasper W ............*Disclosed no conflict of interest.*  
van der Heijden, Brigitte P.A. ......*Disclosed no conflict of interest.*  
Van Der Kraan, Peter M..............*Disclosed no conflict of interest.*  
vander Meer, Marjolein C. .........*Disclosed no conflict of interest.*  
vander Velden, Tijl ..................3A: MRIguidance BV.  
Van Dijck, Christophe ..............*Disclosed no conflict of interest.*  
van Drongelen, Stefan ..............*Disclosed no conflict of interest.*  
Van Duyn, Christine ...............*Disclosed no conflict of interest.*  
vander Velden, Tijl ..................3A: MRIguidance BV.  


van Hooff, Miranda L ..............*Disclosed no conflict of interest.*  
van Langen, Inger ..................*Disclosed no conflict of interest.*
Disclosed no conflict of interest.

van Mourik, Marloes

Van Oosterwyck, Hans

Van Rhijn, Lodewijk

Van Rhijn, Lodewijk W

Van Rietbergen, Bert

Van Son, Nguyen

van Susante, Job

Van Weeren, Paul

Van Weeren, René

Van Zeeland, Emily

Van Zon, Maarten

Van Rhijn, Lodewijk W.

4: shares in Chondropeptix BV.

Disclosed no conflict of interest.

Vancells Lopez, Laia

VanHelmond, Taylor

Vanodia, Rohini

Vanos, John

Vanos, Johnny

Vanos, Johnny M.

Vanucci, Casey

Vanvelk, Niels

Vap, Alexander

Vanadarajan, Ravikumar


Varcoe, Tamara

Varden, Lara

9: ORS Public Outreach Committee.

Varga, John

3B: Emerald Therapeutics, Boehringer Ingelheim, TeneoBio, Arxx
Therapeutics, Ribon Pharma; 5: TeneoBio, Sun Pharma, Boehringer Ingelheim.

Varga, Peter

Vargas Guerrero, Marian G

5: bonalive biomaterials.

Varthi, Arya

Disclosed no conflict of interest.

Varttainen, Paavo

Disclosed no conflict of interest.
Varun, Sehgal..............................4: Bone-Rad Therapeutics, Inc.


Vasava, Jigar............................3A: Acumed.

Vasavada, Kinjal .......................Disclosed no conflict of interest.

Vasios, Nick................................3B: Stryker.

Vasireddi, Neal..........................Disclosed no conflict of interest.

Vasireddi, Nikhil.........................Disclosed no conflict of interest.

Vater, Corina.............................Disclosed no conflict of interest.

Vatsia, Sohrab............................Disclosed no conflict of interest.

Vauclin, Cameron.......................Disclosed no conflict of interest.

Vaughan, Quianna M....................Disclosed no conflict of interest.

Veeraraghavan, Sona...................Disclosed no conflict of interest.

Veereabhadraiah, Shivakumar........Disclosed no conflict of interest.

Vega, Andrew N........................Disclosed no conflict of interest.

Vega-Soto, Emmanuel E...............Disclosed no conflict of interest.

Vekariya, Rushi..........................Disclosed no conflict of interest.

Venable, Emily..........................Disclosed no conflict of interest.

Venkatesan, Jagadeesh K.............Disclosed no conflict of interest.

Venkatesh, Tanvi.......................Disclosed no conflict of interest.

Venugoapalan, Premnath..............4: Dr. Premnath Venugopalan owns stock in Serigen Mediproducts as Founder of company.

Venugopalan, Premnath..............4: Dr. Premnath Venugopalan owns stock in Serigen Mediproducts as Founder of company.

Verbruggen, Stefaan...................Disclosed no conflict of interest.

Verdonschot, Nico.....................3B: Invibio Ltd, Exactech, Inc.

Veres, Samuel P........................Disclosed no conflict of interest.

Verhaegen, Filip.......................6: Zimmer Biomet.

Verma, Indu.............................Disclosed no conflict of interest.

Verma, Nikhil...........................3B: Stryker, Arthrex; 5: Arthex, Breg, Ossur, Smith and Nephew, Wright Medical Technology, Inc; 7B: Vindico Medical Orthopaedics, Smith and Nephew; 8: SLACK incorporated;
Verma, Rohit B. Disclosed no conflict of interest.
Verma, Rohit B. Disclosed no conflict of interest.
Verna, Bruno. Disclosed no conflict of interest.
Vernengo, Andrea. Disclosed no conflict of interest.
Vernengo, Andrea J. Disclosed no conflict of interest.
Ves, Eric M. Disclosed no conflict of interest.

Vidal, Armando. 1: Stryker; 5: Arthrex, Inc; 9: AAOS.
Vidal, Armando. 5: Arthrex, Inc; 7A: Stryker.
Vidal, Armando F. 3B: Arthrex; 5: Steadman Philippon Research Institute; 6: Arthrex, Stryker, BodyCAD USA Corp, Gemini Mountain Medical, Smith and Nephew, Vericel Corp.
Vidal, Armando F. 3B: Vericel, Stryker; 5: Gemini Mountain Medical; 6: Bodycad USA Corp, Smith & Nephew.

Vidal, Emily Disclosed no conflict of interest.

Vigdorchik, Jonathan. 1: Depuy; 3B: Depuy, Intellijoint; 4: Aware, Corin, Motion Insights, Ortho AI, Polaris; 8: JBJS; 9: AAHKS.

Vigdorchik, Jonathan. 1: Corin USA, Depuy; 3B: Depuy, Intellijoint Surgical, Stryker; 4: Aware, Corin USA, Intellijoint Surgical, Motion Insights, Ortho AI, Polaris; 8: JBJS; 9: AAHKS.

Vigdorchik, Jonathan M. 1: DePuy; 3B: DePuy, Intellijoint Surgical; 4: Aware, Corin USA, Motion Insights, Ortho AI, Polaris; 8: JBJS - British; 9: AAHKS.

Vijayakumar, Janapriya Disclosed no conflict of interest.
Villani, David Disclosed no conflict of interest.
Villani, David A Disclosed no conflict of interest.
Villapudua, Carlos U Disclosed no conflict of interest.
Villarreal, Cameron X. Disclosed no conflict of interest.
Villarreal, Juan Disclosed no conflict of interest.
Villasenor, Steffany Disclosed no conflict of interest.
Villegas, Angel Rose L. Disclosed no conflict of interest.
Vincent, Richard Disclosed no conflict of interest.
Vinogradov, Sergei A. Disclosed no conflict of interest.
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<td>Viola, Randall W</td>
<td>1: Osteomed, Conmed/Linvatec; 3B: Osteomed, Conmed/Linvatec; 5: Steadman Philippon Research Institute.</td>
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Volk, Victoria .................................. Disclosed no conflict of interest.
Volz, Natalie .................................. Disclosed no conflict of interest.
Von Euw, Stanislas ............................ Disclosed no conflict of interest.

von Rechenberg, Brigitte .................. 3B: Johnson & Johnson Family of Companies; 5: Johnson & Johnson Family of Companies.

Vonk, Lucienne ............................... Disclosed no conflict of interest.
Vonlanthen, Nadja ............................ Disclosed no conflict of interest.
Voos, James .................................. Disclosed no conflict of interest.

Vopat, Bryan .................................. 2: Titan Surgical Group, LLC (education); 3B: DePuy Synthes (paid consultant), International Life Sciences (paid consultant), Artelon (paid consultant); 4: Altior, Carbon 22, Spinal Simplicity; 5: Stryker Corporation research grant (different project), Novastep Inc. (Travel and Lodging); 9: American Orthopaedic Foot and Ankle Society Board Member.


Vopat, Lisa .................................... 3B: Artelon (paid consultant); 4: Altior, Orthobullets, Carbon 22, Spinal Simplicity; 9: American Orthopaedic Foot and Ankle Society Board Member.


Vopat, Matthew .............................. Disclosed no conflict of interest.

Voros, George ............................... 4: AbbVie, Pfizer, Viatris, Zoetis.

Vosbikian, Michael .......................... 2: Honorarium for being the Section Head for Hand and Wrist for JBJS Clinical Classroom, Honorarium for being course faculty for the Medartis Pre-Hand Fellowship Primer; 8: Editorial Board for ePlasty and SurgiColl journals.

Vyhlidal, Margaret ........................... Disclosed no conflict of interest.

Wachs, Rebecca .............................. Disclosed no conflict of interest.
Wachs, Rebecca A. ......................Disclosed no conflict of interest.
Wachs, Rebecca A. ......................Disclosed no conflict of interest.
Wada, Hiroaki ...........................Disclosed no conflict of interest.
Wada, Hiroyuki ...........................Disclosed no conflict of interest.
Wada, Kensuke .........................Disclosed no conflict of interest.
Wada, Shuntaro ........................Disclosed no conflict of interest.
Waddell, Lily ............................Disclosed no conflict of interest.
Wadekar, Sonia ........................Disclosed no conflict of interest.
Wadsworth, Adam LC ..................Disclosed no conflict of interest.
Wagemans, Jeroen ......................Disclosed no conflict of interest.
Wagley, Yadav ..........................Disclosed no conflict of interest.
Wagner, Diane R. ......................Disclosed no conflict of interest.


Wagner, Eric R ..........................3B: Stryker, Biomet, Acumed, Osteoremedies; 5: Arthrex, Konica Minolta.

Wagner, Madeline K ..................Disclosed no conflict of interest.
Wagner, Tarah K .......................Disclosed no conflict of interest.
Wague, Aboubacar ........................Disclosed no conflict of interest.
Wahbeh, Jenna ..........................Disclosed no conflict of interest.
Wahbeh, Jenna M .......................Disclosed no conflict of interest.
Wahl, Peter ..............................Disclosed no conflict of interest.
Wakabayashi, Toshiki ..................Disclosed no conflict of interest.
Walch, Gilles ..........................1: Stryker; 2: Stryker; 3B: Stryker.
Walczyk, Jerzy ..........................Disclosed no conflict of interest.
Waldman, Stephen ......................Disclosed no conflict of interest.
Waletzko-Hellwig, Janine ............Disclosed no conflict of interest.
Walk, Remy .............................Disclosed no conflict of interest.
Walk, Remy E ...........................Disclosed no conflict of interest.
Walkay, Tanvi Rajesh ..................Disclosed no conflict of interest.
Walker, Alexandra …………………… Disclosed no conflict of interest.
Walker, Jamison K …………………… Disclosed no conflict of interest.
Walker, Lizzie …………………… Disclosed no conflict of interest.
Walker, Molly T T …………………… 3A: Stryker.
Wallace, Joseph …………………… Disclosed no conflict of interest.
Wallace, Maegan …………………… Disclosed no conflict of interest.
Waller, Stephen …………………… Disclosed no conflict of interest.
Walsh, Conor …………………… Disclosed no conflict of interest.
Walsh, William R …………………… Disclosed no conflict of interest.
Walter, Benjamin …………………… Disclosed no conflict of interest.
Walter, Shalon …………………… Disclosed no conflict of interest.
Walton, Bonnie …………………… 9: ORS Public Outreach Committee.
Walton, Bonnie L …………………… Disclosed no conflict of interest.
Wan, Matthew …………………… Disclosed no conflict of interest.
Wan, Rou …………………… Disclosed no conflict of interest.
Wan, Xueyi …………………… Disclosed no conflict of interest.
Wang, Aijun …………………… Disclosed no conflict of interest.
Wang, Allen …………………… Disclosed no conflict of interest.
Wang, Annie …………………… Disclosed no conflict of interest.
Wang, Bili …………………… Disclosed no conflict of interest.
Wang, Bin …………………… Disclosed no conflict of interest.
Wang, Bing …………………… Disclosed no conflict of interest.
Wang, Catherine …………………… Disclosed no conflict of interest.
Wang, Chao …………………… Disclosed no conflict of interest.
Wang, Chau-Zen …………………… Disclosed no conflict of interest.
Wang, Chenyang …………………… Disclosed no conflict of interest.
Wang, Collin …………………… Disclosed no conflict of interest.
Wang, Dan …………………… Disclosed no conflict of interest.

Wang, Dong ...................... Disclosed no conflict of interest.

Wang, Edward ...................... Disclosed no conflict of interest.

Wang, Edward D.................. Disclosed no conflict of interest.

Wang, Edward D.................. Disclosed no conflict of interest.

Wang, Emma........................ Disclosed no conflict of interest.

Wang, Erqi .......................... Disclosed no conflict of interest.

Wang, Haixing...................... Disclosed no conflict of interest.

Wang, James........................ Disclosed no conflict of interest.

Wang, Jeffrey ........................ 1: Biomet, Seaspine, Synthes, Novapproach; 3C: Bioretech, Angitia, Epidutech; 4: Bone biologics, Pearldiver, Electrocore, Surgitech; 9: AO Foundation.


Wang, Jiali.......................... Disclosed no conflict of interest.

Wang, Jingyi........................ Disclosed no conflict of interest.

Wang, Joon Ho ...................... Disclosed no conflict of interest.

Wang, Juan .......................... Disclosed no conflict of interest.

Wang, Kaidi........................ Disclosed no conflict of interest.

Wang, Kevin........................ Disclosed no conflict of interest.

Wang, Lai .......................... Disclosed no conflict of interest.

Wang, Ling ........................ Disclosed no conflict of interest.

Wang, Liyun......................... Disclosed no conflict of interest.


Wang, Mei .......................... Disclosed no conflict of interest.

Wang, Ming ......................... Disclosed no conflict of interest.

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Wang, Qian ......................... Disclosed no conflict of interest.
Wang, Qianjin .......................... Disclosed no conflict of interest.
Wang, Qifei .............................. Disclosed no conflict of interest.
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Wang, Shangping ........................ Disclosed no conflict of interest.
Wang, Shaomeng ........................ Disclosed no conflict of interest.
Wang, Sun Young ......................... Disclosed no conflict of interest.
Wang, Tao ................................. Disclosed no conflict of interest.
Wang, Tian ................................. Disclosed no conflict of interest.
Wang, Tianbai ............................ Disclosed no conflict of interest.
Wang, Vicki Z ............................ 6: Spinal Simplicity.
Wang, Vicki Z ............................ 6: Kyocera.
Wang, Victoria ........................... Disclosed no conflict of interest.
Wang, Vincent M. ........................ Disclosed no conflict of interest.
Wang, Weicheng .......................... Disclosed no conflict of interest.
Wang, William ........................... Disclosed no conflict of interest.
Wang, Xi .................................. Disclosed no conflict of interest.
Wang, Yadong ............................. Disclosed no conflict of interest.
Wang, Yiqun .............................. Disclosed no conflict of interest.
Wang, Yiyun ............................... Disclosed no conflict of interest.
Wang, Yu-Fan ............................. Disclosed no conflict of interest.
Wang, Yujia ............................... Disclosed no conflict of interest.
Wang, Zachary ........................... Disclosed no conflict of interest.
Wang, Zhen ............................... Disclosed no conflict of interest.
Wang, Zhiyang ........................... Disclosed no conflict of interest.
Wang, Ziyun ............................... Disclosed no conflict of interest.
Wang, Ziyan ............................... Disclosed no conflict of interest.
Wangikar, Rohan .......................... Disclosed no conflict of interest.
Wanivenhaus, Florian .......... Disclosed no conflict of interest.
Wannomae, Keith ................... 3C: Exactech.
Wannomae, Keith ................... 3C: Total Joint Orthopedics, Inc.
Warburton, Christopher .......... Disclosed no conflict of interest.
Ward, Chris ........................ Disclosed no conflict of interest.
Ward, Samuel ........................ Disclosed no conflict of interest.
Ward, Samuel R ....................... Disclosed no conflict of interest.
Warita, Takayuki ................. 3A: Tunz Pharma Inc.
Warita, Takayuki ................. 3A: TUNZ Pharma.
Warner, Stephen .................. Disclosed no conflict of interest.
Warner, Stephen J ................ Disclosed no conflict of interest.
Warren, Jonathan .................. Disclosed no conflict of interest.
Washizaki, Fumiyuki .............. Disclosed no conflict of interest.
Wasi, Murtaza ...................... Disclosed no conflict of interest.
Watanabe, Chikara ............... Disclosed no conflict of interest.
Watanabe, Hideaki ................ Disclosed no conflict of interest.
Watanabe, Hiroshi ................. Disclosed no conflict of interest.
Watanabe, Kota ..................... Disclosed no conflict of interest.
Watanabe, Masahiko .............. Disclosed no conflict of interest.
Watanabe, Naoto ................... Disclosed no conflict of interest.
Watanabe, Ryota ................... 3A: teijin nakashima medical.
Watanabe, Ryunosuke ............. Disclosed no conflict of interest.
Watanabe, Satoshi ................ Disclosed no conflict of interest.
Watanabe, Tomonobu .............. Disclosed no conflict of interest.
Watanabe, Tsuyoshi .............. Disclosed no conflict of interest.
Waters, Emily ..................... Disclosed no conflict of interest.
Watkins, Amanda .................. Disclosed no conflict of interest.
Watkins, Lauren ................... Disclosed no conflict of interest.
Watling, John ...................... 3B: Exactech, Inc.
Watson, Bahiyah ................... Disclosed no conflict of interest.
Wawrose, Richard .................Disclosed no conflict of interest.
Wayne Yuk-wai, Lee .....................Disclosed no conflict of interest.
Weatherford, Zach ....................Disclosed no conflict of interest.
Weaver, Adam ........................Disclosed no conflict of interest.
Weaver, Samantha ....................Disclosed no conflict of interest.
Webb, Alexander R. .................Disclosed no conflict of interest.
Weber, Michael .........................Disclosed no conflict of interest.
Weber, Michael H .....................Disclosed no conflict of interest.
Wechsler, Jacob ........................Disclosed no conflict of interest.
Weder, Gilles ..........................Disclosed no conflict of interest.
Wee, Hwa Bok ..........................Disclosed no conflict of interest.
Wee, Hwabok ...........................Disclosed no conflict of interest.
Weegens, Ryan ........................Disclosed no conflict of interest.
Weeks, Jason ..........................Disclosed no conflict of interest.
Weeks, Kenneth ....................2: Smith and Nephew Inc.; 3A: Smith and Nephew Inc, Graymont Professional Products IP, LLC.

Wehrle, Esther .........................Disclosed no conflict of interest.
Wei, Fei ..............................Disclosed no conflict of interest.
Wei, Lei ..............................Disclosed no conflict of interest.
Wei, Xiaoan ............................Disclosed no conflict of interest.
Weidner, Adelaide ....................Disclosed no conflict of interest.
Wein, Marc ............................Disclosed no conflict of interest.
Weiner, Isabella .......................Disclosed no conflict of interest.
Weinrich, Jarret .......................Disclosed no conflict of interest.
Weintraub, Matthew ..................Disclosed no conflict of interest.
Weisberg-Tannenbaum, Miriam  ....Disclosed no conflict of interest.
Weisemann, Ferdinand ..............Disclosed no conflict of interest.
Weiser, Jennifer R. ...................Disclosed no conflict of interest.
Weiss, David B ........................Disclosed no conflict of interest.
Weiss, Jeffrey A .......................... Disclosed no conflict of interest.
Weiss, Jennifer .......................... 9: President, Speak up Ortho Chair, AAOS Communications Committee Treasurer, Ruth Jackson Orthopaedic Society.
Weiss, Stephanie N ...................... Disclosed no conflict of interest.
Weiss, William .......................... Disclosed no conflict of interest.
Weiss, William M ........................ Disclosed no conflict of interest.
Weißgärber, Thomas ...................... Disclosed no conflict of interest.
Weiss-Laxer, Nomi ....................... Disclosed no conflict of interest.
Welfley, Avery .......................... Disclosed no conflict of interest.
Welfley, Avery H ........................ Disclosed no conflict of interest.
Welhaven, Hope ......................... 9: ORS Social Media Committee.
Welhaven, Hope D ....................... Disclosed no conflict of interest.
Wellington, Ian .......................... Disclosed no conflict of interest.
Wells, Andrew D ........................ Disclosed no conflict of interest.
Wells, Joel ............................... Disclosed no conflict of interest.
Wells, Kristina V ......................... Disclosed no conflict of interest.
Wells, Leah M ............................ Disclosed no conflict of interest.
Welting, Tim ............................. Disclosed no conflict of interest.
Welting, Tim J ........................... Disclosed no conflict of interest.
Welting, Tim J.M. ....................... 4: shares in Chondropeptix BV.
Wen, Ethan ............................... Disclosed no conflict of interest.
Wen, Zhenkang ......................... Disclosed no conflict of interest.
Wentzel, Dylan .......................... Disclosed no conflict of interest.
Weppner, Hannah K .................... Disclosed no conflict of interest.
Wernecke, Elena ....................... Disclosed no conflict of interest.
Werner, Frederick W ................... 4: Moximed; 9: Hand and Wrist Biomechanics Int'l.
Werner, Frederick W ................... 4: Moximed; 9: Hand and Wrist Biomechanics Int'l.
Werner, Karin .......................... Disclosed no conflict of interest.
Wernke, Michael ... *Disclosed no conflict of interest.*

Wertz, Dean ... *Disclosed no conflict of interest.*

Wesorick, Ben ... *3A: restor3D.*

Wessels, Emma ... *Disclosed no conflict of interest.*

West, Valerie ... *Disclosed no conflict of interest.*

Westendorf, Jennifer ... *Disclosed no conflict of interest.*

Westrich, Geoffrey ... *1: Stryker, Exactech; 3B: Stryker; 5: Stryker.*

Westrich, Geoffrey ... *1: Exactech, Stryker.*

Wetsel, William ... *Disclosed no conflict of interest.*

Weyers, Miriam ... *Disclosed no conflict of interest.*

Wheatley, Mitchell GA ... *Disclosed no conflict of interest.*

Whitaker, Erika E ... *Disclosed no conflict of interest.*

Whitaker, Morgan ... *Disclosed no conflict of interest.*

White, McKenzie S ... *Disclosed no conflict of interest.*

White, Neil ... *Disclosed no conflict of interest.*

White, Sarah ... *Disclosed no conflict of interest.*

White, Stephen E ... *3A: DePuy Synthes; 4: DePuy Synthes.*

Whiteside, Tia A ... *Disclosed no conflict of interest.*

White-Williams, Charlene ... *3A: DSM Biomedical.*

White-Williams, Charlene ... *3A: Charlene White-Williams.*

Whiting, Jordyn ... *Disclosed no conflict of interest.*

Whitley, Alexandria G. ... *Disclosed no conflict of interest.*

Whitlock, Keith ... *Disclosed no conflict of interest.*

Whitney, Kaitie ... *Disclosed no conflict of interest.*

Whitney, Kaitlyn E ... *Disclosed no conflict of interest.*

Whitten, Andy ... *3A: Smith & Nephew, Inc.; 4: Smith & Nephew, Inc.*

Whyne, Cari ... *5: Varian, Altis.*
Whyne, Cari M ........................................... Disclosed no conflict of interest.
Wickiewicz, Thomas ......................... 1: Stryker.
Wickiewicz, Thomas L ..................... 3B: Stryker.
Widmann, Roger F .............................. 3B: SpineGuard.
Widmyer, Margaret R ......................... Disclosed no conflict of interest.
Widowski, Tina .................................... Disclosed no conflict of interest.
Wiener, Robert .................................... Disclosed no conflict of interest.
Wier, Julian ....................................... Disclosed no conflict of interest.
Wiesner, Ulrich ................................. 3B: Elucida Oncology, Inc., TeraPore Technologies, Inc.
Wiesner, Ulrich B ............................... 8: Elucida Oncology.
Wignadasan, Warran .......................... Disclosed no conflict of interest.
Wijdicks, Coen A ............................... 3A: Arthrex, Inc.
Wijnands, Karolina A.P ....................... Disclosed no conflict of interest.
Wild, Emily E ..................................... Disclosed no conflict of interest.
Wilhelm, Christopher V ........................ Disclosed no conflict of interest.
Wilke, Hans-Joachim .......................... 5: Centinel Spine LLC.
Wilken, Jason .................................... Disclosed no conflict of interest.
Will, Daniel V .................................... Disclosed no conflict of interest.
Wille, Marie-Luise ............................. Disclosed no conflict of interest.
Willems, Miel .................................... Disclosed no conflict of interest.
Willenbring, Taylor ........................... Disclosed no conflict of interest.
Willett, Nick ..................................... Disclosed no conflict of interest.
Willett, Nick J ................................... Disclosed no conflict of interest.
Willey, Jeffrey S ............................... Disclosed no conflict of interest.
Willey, Michael ............................... 5: Excere Medical.
Williams, Ashley ............................... Disclosed no conflict of interest.
Williams, Ashley A ........................... Disclosed no conflict of interest.
Williams, Blair .................................. Disclosed no conflict of interest.
Williams, David E ............................. Disclosed no conflict of interest.
Williams, Frances ............................. Disclosed no conflict of interest.
Williams, Garret .................. Disclosed no conflict of interest.
Williams, Joel .................... Disclosed no conflict of interest.
Williams, Jonathan ............. Disclosed no conflict of interest.
Williams, Kyle .................... Disclosed no conflict of interest.
Williams, Kylie .................. Disclosed no conflict of interest.
Williams, Kylie E ................ Disclosed no conflict of interest.
Williams, Lydia .................. Disclosed no conflict of interest.
Williams, Nicholas ............. Disclosed no conflict of interest.
Williams, Rebecca .............. Disclosed no conflict of interest.
Williams, Sammy ................. Disclosed no conflict of interest.
Williams, Taylor ................. Disclosed no conflict of interest.
Williamson, Jessica R .......... Disclosed no conflict of interest.
Williamson, Jessica R........... Disclosed no conflict of interest.
Williamson, Lucinda A ......... Disclosed no conflict of interest.
Willie, Bettina .................. 5: Mesentech.
Willie, Bettina M ............... Disclosed no conflict of interest.
Willing, Ryan ....................... 3B: Lima; 5: Stryker.
Willows, Jake .................... Disclosed no conflict of interest.
Willson, Gloria .................. Disclosed no conflict of interest.
Wilps, Tyler J .................... Disclosed no conflict of interest.
Wilson, AnnaLise ............... Disclosed no conflict of interest.
Wilson, Chris ..................... Disclosed no conflict of interest.
Wilson, Christopher R ......... Disclosed no conflict of interest.
Wilson, Heather M .............. Disclosed no conflict of interest.
Wilson, Jacob .................... Disclosed no conflict of interest.
Wilson, Marshall ............... Disclosed no conflict of interest.
Wilson, Sidnee .................. Disclosed no conflict of interest.
Wilzman, Andrew ............... Disclosed no conflict of interest.
Wimmer, Markus ................ 3C: Endolab; 5: Corin USA, Liposphere; 8: Elsevier; 9: ISTA.
Wimmer, Markus A ............. 3C: Endolab; 5: Corin USA, Liposphere; 8: Elsevier; 9: ISTA.

Wimmer, Markus A. 3C: Endolab; 5: Corin USA, Liposphere; 8: Elsevier; 9: ISTA.

Winalski, Carl 3B: Siemens; 4: Pfizer; 8: Osteoarthritis and Cartilage, Skeletal Radiology.

Winalski, Carl S. Disclosed no conflict of interest.

Winalski, Carl S. Disclosed no conflict of interest.

Windhager, Reinhard Disclosed no conflict of interest.

Windle, Jolene Disclosed no conflict of interest.

Windle, Jolene J. Disclosed no conflict of interest.

Wininger, Austin Disclosed no conflict of interest.

Winkler, Tobias Disclosed no conflict of interest.

Winograd, Joshua Disclosed no conflict of interest.

Winrow, Deirdre Disclosed no conflict of interest.

Winalski, Carl S 3B: Siemens; 4: Pfizer;

Winalski, Carl S Disclosed no conflict of interest.

Winstone, Hannah Disclosed no conflict of interest.

Wirth, Brunhilde Disclosed no conflict of interest.

Wirth, Wolfgang 4: Chondrometrics.

Wisch, Jenna L Disclosed no conflict of interest.

Wise, Barton L Disclosed no conflict of interest.

Wise, Brent Disclosed no conflict of interest.

Wise, Brian C Disclosed no conflict of interest.

Wise, Patrick Disclosed no conflict of interest.

Witek, Lukasz Disclosed no conflict of interest.

Witkowski, Ana Disclosed no conflict of interest.

Wittek, Andreas Disclosed no conflict of interest.

Wittmer, Annette Disclosed no conflict of interest.

Wittstein, Jocelyn R Disclosed no conflict of interest.

Wiznia, Daniel 3B: Globus Medical, Materialise NV.

Wiznia, Daniel H 3B: Globus Medical: Paid consultant, Materialise: Paid consultant.
Woernle, Christoph .................. Disclosed no conflict of interest.
Wojda, Samantha .................. Disclosed no conflict of interest.
Wolf, Brian .............................. 1: ConMed; 3B: ConMed.
Wolf, Jacob .............................. Disclosed no conflict of interest.
Wolfert, Adam J .................. Disclosed no conflict of interest.
Wolfson, David .......................... 3A: Depuy Synthes.
Wolleb, Maja .............................. Disclosed no conflict of interest.
Wong, Alice .............................. Disclosed no conflict of interest.
Wong, Che Hang Jason ............ Disclosed no conflict of interest.
Wong, Chi Ming ........................ Disclosed no conflict of interest.
Wong, Laurel .............................. Disclosed no conflict of interest.
Wong, Laurel E .................. Disclosed no conflict of interest.
Wong, Pui Yan .............................. Disclosed no conflict of interest.
Wong, Ronald Man Yeung ........ Disclosed no conflict of interest.
Wong, Steven B .................. Disclosed no conflict of interest.
Wong, Van W .............................. Disclosed no conflict of interest.
Wood, Levi .............................. Disclosed no conflict of interest.
Wood, Lily .............................. Disclosed no conflict of interest.
Wood, Matthew ........................ Disclosed no conflict of interest.
Wood, Matthew J .................. Disclosed no conflict of interest.
Woodard, Erik .......................... 3A: Smith & Nephew, Inc.
Woods, Dori .............................. Disclosed no conflict of interest.
Woolcock, Keiran .................. Disclosed no conflict of interest.
Woolcock, Kieran .................. Disclosed no conflict of interest.
Worden, Jacob ........................ Disclosed no conflict of interest.
Worden, Jacob A .................. Disclosed no conflict of interest.
Working, Zachary .................. 8: Journal of Orthopaedic Trauma; 9: Orthopaedic Trauma Association, ISFR.
Workman, Connor D.......................... disclosed no conflict of interest.
Woron, Felicia................................. disclosed no conflict of interest.
Wright, Aidan P.............................. disclosed no conflict of interest.
Wright, Christian E......................... disclosed no conflict of interest.
Wright, Jennifer L......................... disclosed no conflict of interest.
Wright, Nathaniel......................... disclosed no conflict of interest.
Wright, Thomas.............................. 3B: Exactech, Inc; 7A: Exactech, Inc.
Wright, Thomas W......................... 3B: Exactech, Inc.; 7A: Exactech, Inc.
Wright, Timothy M....................... 1: Exactech, Lima Corporate, Mathys; 5: Lima Corporate, Zimmer Biomet; 9: AJRR, OREF, Knee Society.
Wright, Timothy M....................... 1: Exactech Inc., Lima Corporate, Mathys Inc.; 5: Lima Corporate; 9: Knee Society, American Joint Replacement Registry, Orthopaedic Education and Research Foundation.
Wright-Chisem, Joshua.................. disclosed no conflict of interest.
Wu, Albert Q............................... disclosed no conflict of interest.
Wu, Che Wei................................. disclosed no conflict of interest.
Wu, Che-Wei................................. disclosed no conflict of interest.
Wu, Chia-Lung.............................. disclosed no conflict of interest.
Wu, Danielle............................... disclosed no conflict of interest.
Wu, Guanming.............................. disclosed no conflict of interest.
Wu, Hao-Hsiang............................ disclosed no conflict of interest.
Wu, Honglu................................. disclosed no conflict of interest.
Wu, Hsin-Fang.............................. disclosed no conflict of interest.
Wu, Kevin .............................................................................. disclosed no conflict of interest.
Wu, Kyle C .............................................................................. disclosed no conflict of interest.
Wu, Lintong .............................................................................. disclosed no conflict of interest.
Wu, Po-Hung ............................................................................. disclosed no conflict of interest.
Wu, Shun Cheng ......................................................................... disclosed no conflict of interest.
Wu, shuncheng ............................................................................. disclosed no conflict of interest.
Wu, Shun-Cheng ........................................................................... disclosed no conflict of interest.
Wu, Stanley Chun Ming ......................................................... disclosed no conflict of interest.
Wu, Tao .................................................................................. disclosed no conflict of interest.
Wu, Xiaobo ................................................................................ disclosed no conflict of interest.
Wu, Xinjie ................................................................................ disclosed no conflict of interest.
Wu, Yingnan ................................................................................ disclosed no conflict of interest.
Wu, Yingxing .............................................................................. disclosed no conflict of interest.
Wu, Yongren .............................................................................. disclosed no conflict of interest.
Wu, Yuanshan ............................................................................ disclosed no conflict of interest.
Wu, Yuning ................................................................................ disclosed no conflict of interest.
Wuertz-Kozak, Karin .............................................................. disclosed no conflict of interest.
Wukelic, Corey .......................................................................... disclosed no conflict of interest.
Wyatt, Hayley .............................................................................. disclosed no conflict of interest.
Wynn, Elizabeth A ..................................................................... disclosed no conflict of interest.
Xi, Yin ...................................................................................... disclosed no conflict of interest.
Xia, Chunjie ................................................................................ disclosed no conflict of interest.
Xiang, Jiaqi ................................................................................ disclosed no conflict of interest.
Xiang, Qingzhi ............................................................................ disclosed no conflict of interest.
Xiao, Baixue ................................................................................ disclosed no conflict of interest.
Xiao, Edward ............................................................................ disclosed no conflict of interest.
Xiao, Guozhi .............................................................................. disclosed no conflict of interest.
Xiao, Li (Jasmine) .................................................................... disclosed no conflict of interest.
Xie, Chao .................................................................................. disclosed no conflict of interest.
Xie, Chun .................................................................................. disclosed no conflict of interest.
Xie, Jun............................Disclosed no conflict of interest.
Xie, Yibin .........................Disclosed no conflict of interest.
Xin, Hongyi........................Disclosed no conflict of interest.
Xin, Xiaoran........................Disclosed no conflict of interest.
Xing, Chao ..........................Disclosed no conflict of interest.
Xing, Chuheng .....................Disclosed no conflict of interest.
Xing, Lianping ....................Disclosed no conflict of interest.
Xing, Wang ........................Disclosed no conflict of interest.
Xing, Xin ............................Disclosed no conflict of interest.
Xiong, Jinhu ........................Disclosed no conflict of interest.
Xiong, Xue ..........................Disclosed no conflict of interest.
Xu, Ellyn ............................Disclosed no conflict of interest.
Xu, Hongyan ......................Disclosed no conflict of interest.
Xu, Jiankun ........................Disclosed no conflict of interest.
Xu, Karen L .........................Disclosed no conflict of interest.
Xu, Michelle .......................Disclosed no conflict of interest.
Xu, Mingxin .......................Disclosed no conflict of interest.
Xu, Qinqin ..........................Disclosed no conflict of interest.
Xu, Shanxiu .......................Disclosed no conflict of interest.
Xu, Shunen .........................Disclosed no conflict of interest.
Xu, Xiaoyi ..........................Disclosed no conflict of interest.
Xu, Xiaoyu .........................Disclosed no conflict of interest.
Xu, Zhiwen ........................Disclosed no conflict of interest.
Xue, Thomas .......................Disclosed no conflict of interest.
Yabiku, Hiroki .....................Disclosed no conflict of interest.
Yada, Erica .........................5: NANO MRNA Co., Ltd.
Yagi, Kiyoshi ........................Disclosed no conflict of interest.
Yagi, Mitsuru ........................Disclosed no conflict of interest.
Yahagi, Yoshiyuki ..................Disclosed no conflict of interest.
Yahara, Yasuhito ...................Disclosed no conflict of interest.
Yahyaiee Bavil, Alireza ..........................Disclosed no conflict of interest.
Yakar, Shoshana ..........................Disclosed no conflict of interest.
Yakkanti, Madhusudhan R ..........Disclosed no conflict of interest.
Yalla, Goutham ..........................Disclosed no conflict of interest.
Yallowitz, Alisha ..........................Disclosed no conflict of interest.
Yamabe, Yohei ..........................Disclosed no conflict of interest.
Yamada, Hiroshi ..........................Disclosed no conflict of interest.
Yamada, Junichi ..........................Disclosed no conflict of interest.
Yamada, Katsuhisa ..........................Disclosed no conflict of interest.
Yamada, Yoshitake ..........................Disclosed no conflict of interest.
Yamagami, Ryota ..........................Disclosed no conflict of interest.
Yamagata, Hiroyuki ..........................Disclosed no conflict of interest.
Yamaguchi, Konosuke ..........................Disclosed no conflict of interest.
Yamaguchi, Nami ..........................Disclosed no conflict of interest.
Yamaguchi, Ryosuke ..........................Disclosed no conflict of interest.
Yamaguchi, Yoichiro ..........................Disclosed no conflict of interest.
Yamakawa, Satoshi ..........................Disclosed no conflict of interest.
Yamamoto, Natsuki ..........................Disclosed no conflict of interest.
Yamamoto, Satoshi ..........................Disclosed no conflict of interest.
Yamamoto, Shun ..........................Disclosed no conflict of interest.
Yamamoto, Takuaki ..........................Disclosed no conflict of interest.
Yamamoto, Tetsuya ..........................Disclosed no conflict of interest.
Yamamoto, Yuta ..........................Disclosed no conflict of interest.
Yamamoto, Yuya ..........................Disclosed no conflict of interest.
Yamanaka, Manabu ..........................Disclosed no conflict of interest.
Yamanaka, Yoshiaki ..........................Disclosed no conflict of interest.
Yamane, Hironori ..........................Disclosed no conflict of interest.
Yamanouchi, Kento ..........................Disclosed no conflict of interest.
Yamashita, Kazuta ..........................Disclosed no conflict of interest.

Yamashita, Shinnosuke .......... Disclosed no conflict of interest.
Yamashita, Takahiro ............ Disclosed no conflict of interest.
Yamashita, Toshihiko ............ Disclosed no conflict of interest.
Yamauchi, Sho .................. Disclosed no conflict of interest.
Yamaura, Kohei .................. Disclosed no conflict of interest.
Yamaura, Lisa .................... Disclosed no conflict of interest.
Yamazaki, Koki .................. Disclosed no conflict of interest.
Yamazaki, Masashi .............. Disclosed no conflict of interest.
Yamazaki, Takaharu ............ Disclosed no conflict of interest.
Yan, Alan .......................... Disclosed no conflict of interest.
Yan, Huimin ..................... Disclosed no conflict of interest.
Yan, Keming ..................... Disclosed no conflict of interest.
Yan, Mengmeng .................. Disclosed no conflict of interest.
Yan, Ming .......................... Disclosed no conflict of interest.
Yanagisawa, Masahiko ......... Disclosed no conflict of interest.
Yang, Ally ......................... Disclosed no conflict of interest.
Yang, Boguang .................. Disclosed no conflict of interest.
Yang, Chih Jen .......................... Disclosed no conflict of interest.
Yang, Guangmin ................. Disclosed no conflict of interest.
Yang, Ha Ru ........................ Disclosed no conflict of interest.
Yang, HaRu ........................ Disclosed no conflict of interest.
Yang, Huiliang ................... Disclosed no conflict of interest.
Yang, Irene ........................ Disclosed no conflict of interest.
Yang, JaeWon ..................... Disclosed no conflict of interest.
Yang, Kai .......................... Disclosed no conflict of interest.
Yang, Leo .......................... Disclosed no conflict of interest.
Yang, Max .......................... Disclosed no conflict of interest.
Yang, Mingrui .................... Disclosed no conflict of interest.
Yang, Shang-You .................. Disclosed no conflict of interest.
Yang, Su-Eun ........................................Disclosed no conflict of interest.
Yang, Wentian ........................................Disclosed no conflict of interest.
Yang, Xinlin ........................................Disclosed no conflict of interest.
Yang, Xu ........................................Disclosed no conflict of interest.
Yang, Yang ........................................Disclosed no conflict of interest.
Yang, Yeon-Suk ........................................Disclosed no conflict of interest.
Yang, Yongkang ........................................Disclosed no conflict of interest.
Yang, Yubiao ........................................Disclosed no conflict of interest.
Yang, Yunzhi ........................................Disclosed no conflict of interest.
Yang, Yunzhi P ........................................Disclosed no conflict of interest.
Yang, Yunzhi Peter ........................................Disclosed no conflict of interest.
Yang, Zhangke ........................................Disclosed no conflict of interest.
Yanik, Elizabeth L ........................................Disclosed no conflict of interest.
Yanke, Adam ........................................Disclosed no conflict of interest.
Yanke, Adam B ........................................3B: AlloSource, JRF Ortho, Stryker; 3C: Patient IQ, Sparta Biomedical; 4: Patient IQ, Sparta Biomedical, Icarus; 5: Arthrex, Organogenesis.
Yao, Hai ........................................Disclosed no conflict of interest.
Yao, Hao ........................................Disclosed no conflict of interest.
Yao, Lutian ........................................Disclosed no conflict of interest.
Yao, Wei ........................................3A: RabPharma.
Yarimitsu, Seido ........................................Disclosed no conflict of interest.
Yarrow, Joshua F ........................................Disclosed no conflict of interest.
Yase, Rohda A ........................................Disclosed no conflict of interest.
Yasuda, Kazunori ........................................Disclosed no conflict of interest.
Yasuda, Tadashi ........................................Disclosed no conflict of interest.
Yasuda, Tomohiro ........................................Disclosed no conflict of interest.
Yasui, Hidekazu ........................................3A: teijin nakashima medical.
Yasumits, Ohkoshi ........................................Disclosed no conflict of interest.
Yasushi, Yanagihashi ........................................Disclosed no conflict of interest.
Yatsenko, Yulia ....................... Disclosed no conflict of interest.
Ye, Tong ................................ Disclosed no conflict of interest.
Ye, Zihou ................................ Disclosed no conflict of interest.
Yea, JiHye ................................ Disclosed no conflict of interest.
Yeager, Matthew ...................... Disclosed no conflict of interest.
Yedikian, Teren ....................... Disclosed no conflict of interest.
Yedikian, Teren V ..................... Disclosed no conflict of interest.
Yee, Alana T .......................... Disclosed no conflict of interest.
Yee, Stephanie ........................ Disclosed no conflict of interest.
Yeh, Shu-Chi A ........................ Disclosed no conflict of interest.
Yeh, Shu-Chi A. ....................... Disclosed no conflict of interest.
Yeligar, Samantha M ............... Disclosed no conflict of interest.
Yellowley, Clare E ................... Disclosed no conflict of interest.
Yen, Richard .......................... Disclosed no conflict of interest.
Yen, Yi-Meng ........................... Disclosed no conflict of interest.
Yendluri, Avanish ................... Disclosed no conflict of interest.
Yeo, Woo Jin ........................... Disclosed no conflict of interest.
Yeung, Kelvin .......................... Disclosed no conflict of interest.
Yimiti, Dilimulati ................... Disclosed no conflict of interest.
Yin, Christine ........................ Disclosed no conflict of interest.
Yin, Ping ............................... Disclosed no conflict of interest.
Yin, Wei ................................ Disclosed no conflict of interest.
Yin, Wenjing ......................... Disclosed no conflict of interest.
Ying, Liang ............................ Disclosed no conflict of interest.
Ylisiuura, Sampo .................... Disclosed no conflict of interest.
Yoda, Masaki ......................... Disclosed no conflict of interest.
Yoganandan, Narayan .............. Disclosed no conflict of interest.
Yohe, Frank ........................... 3A: Frank Yohe.
Yohe, Nicholas ....................... Disclosed no conflict of interest.
Yokoe, Takuji .................................Disclosed no conflict of interest.
Yokoi, Hiroyuki ...............................Disclosed no conflict of interest.
Yokota, Atsushi..............................Disclosed no conflict of interest.
Yokota, Kazuya..............................Disclosed no conflict of interest.
Yokota, Shunichi..............................Disclosed no conflict of interest.
Yokoyama, Hiroyuki ..........................Disclosed no conflict of interest.
Yokoyama, Yusuke ............................Disclosed no conflict of interest.
Yoneno, Moe ..................................Disclosed no conflict of interest.
Yonetani, Yasukazu ...........................Disclosed no conflict of interest.
Yoneya, Taisuke ...............................Disclosed no conflict of interest.
Yoneya, Takashi ...............................Disclosed no conflict of interest.
Yoo, Brad ......................................Disclosed no conflict of interest.
Yoo, Jeong Joon ...............................3B: Corentec company.
Yoo, Jin ........................................Disclosed no conflict of interest.
Yoon, Do-Kun ..................................Disclosed no conflict of interest.
Yoon, Dong Suk ...............................Disclosed no conflict of interest.
Yoon, Sangwook ...............................Disclosed no conflict of interest.
Yoon, Sangwook T. ............................Disclosed no conflict of interest.
Yoon, Yong-Jin .................................Disclosed no conflict of interest.
Yoon, Young Sik ...............................Disclosed no conflict of interest.
Yorgan, Timur A ..............................Disclosed no conflict of interest.
Yorimitsu, Masanori ..........................Disclosed no conflict of interest.
York, Abigail ..................................Disclosed no conflict of interest.
Yoshida, Aki .................................Disclosed no conflict of interest.
Yoshida, Aya .................................Disclosed no conflict of interest.
Yoshida, Brandon .............................Disclosed no conflict of interest.
Yoshida, Masahito ............................Disclosed no conflict of interest.
Yoshida, Ryu .................................Disclosed no conflict of interest.
Yoshida, Shigeo ...............................Disclosed no conflict of interest.
Yoshida, Tomotaka ............................Disclosed no conflict of interest.
Yoshihara, Aritoshi......................Disclosed no conflict of interest.
Yoshihara, Hiroshi......................Disclosed no conflict of interest.
Yoshii, Toshitaka........................Disclosed no conflict of interest.
Yoshii, Yuichi..........................Disclosed no conflict of interest.
Yoshikawa, Hideki......................Disclosed no conflict of interest.
Yoshikawa, Ryo.........................Disclosed no conflict of interest.
Yoshimura, Fumihiro...................Disclosed no conflict of interest.
Yoshimura, Yoshiaki....................Disclosed no conflict of interest.
Yoshikawa, Ryo.........................Disclosed no conflict of interest.
Yoshimura, Yukiko.....................Disclosed no conflict of interest.
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Yoshimura, Yukiko.....................Disclosed no conflict of interest.
Yoshikawa, Ryo.........................Disclosed no conflict of interest.
Yoshimura, Yoshiaki....................Disclosed no conflict of interest.
Young, Jeffrey L........................Disclosed no conflict of interest.
Young, Sarah...........................Disclosed no conflict of interest.
Younis, Shady..........................Disclosed no conflict of interest.
Yousefi, Farbod.........................Disclosed no conflict of interest.
Yu, Chenhao...........................Disclosed no conflict of interest.
Yu, Haiquan...........................Disclosed no conflict of interest.
Yu, Kanglun...........................Disclosed no conflict of interest.
Yu, Kristin...........................Disclosed no conflict of interest.
Yu, Victoria..........................Disclosed no conflict of interest.
Yu, Wanxin............................Disclosed no conflict of interest.
Yu, Yan.................................Disclosed no conflict of interest.
Yu, Yilin.................................Disclosed no conflict of interest.
Yu, Ze..................................Disclosed no conflict of interest.
Yu, Ziqing (Zack)......................Disclosed no conflict of interest.
Yu, Xiaoning..........................Disclosed no conflict of interest.
Yu-Fan, Chen..........................Disclosed no conflict of interest.
Yuh, Catherine..........................Disclosed no conflict of interest.
Yuh, Jean..............................Disclosed no conflict of interest.
Yuk Wa, Lee............................Disclosed no conflict of interest.
Yukata, Kiminori......................Disclosed no conflict of interest.
Yuki, Samejima..........................Disclosed no conflict of interest.
Yuko, Irie..............................Disclosed no conflict of interest.
Yun, Wangho...........................Disclosed no conflict of interest.
Yung, Patrick S.H......................Disclosed no conflict of interest.
Yung, Patrick Shu-Hang................Disclosed no conflict of interest.
Yuri, Takuma...........................Disclosed no conflict of interest.
Yurube, Takashi.........................Disclosed no conflict of interest.
Yusuke, Togo...........................Disclosed no conflict of interest.
Yutani, Tomoyo..........................3A: Teijin Nakashima Medical.
Yuto, Murakami..........................Disclosed no conflict of interest.
Zaheer, Kashaf..........................Disclosed no conflict of interest.
Zakko, Philip..........................Disclosed no conflict of interest.
Zale, Elena.............................3A: Acumed.
Zalikha, Abdul..........................Disclosed no conflict of interest.
Zamzam, Mazen..........................Disclosed no conflict of interest.
Zanetti, Elisabetta ..............................Disclosed no conflict of interest.
Zanini, Sylvia ..............................Disclosed no conflict of interest.
Zankovic, Sergej .............................Disclosed no conflict of interest.
Zantop, Thore ...............................Disclosed no conflict of interest.
Zansonico, Pat B .............................Disclosed no conflict of interest.
Zappia, Luke .................................Disclosed no conflict of interest.
Zarnke, Kelly ...............................Disclosed no conflict of interest.
Zarour, Ilana ..................................3A: Exactech.
Zars, Elizabeth ...............................Disclosed no conflict of interest.
Zaslansky, Paul ..............................Disclosed no conflict of interest.
Zastawny, Peter ..............................Disclosed no conflict of interest.
Zauke, Frank .................................Disclosed no conflict of interest.
Zavala, Anamaria ............................Disclosed no conflict of interest.
Zavolan, Michaela ...........................Disclosed no conflict of interest.
Zavurov, Gabriel .............................Disclosed no conflict of interest.
Zbyn, Stefan ..................................Disclosed no conflict of interest.
Zec, Manja .....................................Disclosed no conflict of interest.
Zec, Manja M. .................................Disclosed no conflict of interest.
Zehner, Katie M ..............................6: Arons-Millard Student Research Fund at Yale School of Medicine.
Zehra, Akkaya .................................Disclosed no conflict of interest.
Zeiter, Stephan ..............................Disclosed no conflict of interest.
Zeitlin, Jacob .................................Disclosed no conflict of interest.
Zelada, Antonio ..............................Disclosed no conflict of interest.
Zellers, Jennifer .............................Disclosed no conflict of interest.
Zeng, Li .........................................4: Remedium Bio, Inc.; 9: Remedium Bio, Inc.
Zeng, Li .........................................3B: Remedium Bio.; 5: Remedium Bio.
Zeng, Wei .....................................3B: Remedium Bio.  
Zeng, Wei ..................Disclosed no conflict of interest.
Zengerle, Laura .................. Disclosed no conflict of interest.
Zernicke, Ron .................. Disclosed no conflict of interest.
Zgonis, Miltiadis ............ Disclosed no conflict of interest.
Zhai, Jin .......................... Disclosed no conflict of interest.
Zhang, Aijun ..................... Disclosed no conflict of interest.
Zhang, Alan ...................... Disclosed no conflict of interest.
Zhang, Andrew .................. Disclosed no conflict of interest.
Zhang, Bo .......................... Disclosed no conflict of interest.
Zhang, Changqing .......... Disclosed no conflict of interest.
Zhang, Chao ...................... Disclosed no conflict of interest.
Zhang, Chenzhen ............ Disclosed no conflict of interest.
Zhang, Chongda .............. Disclosed no conflict of interest.
Zhang, Chunbin ............... Disclosed no conflict of interest.
Zhang, Fei ....................... Disclosed no conflict of interest.
Zhang, Hao ....................... Disclosed no conflict of interest.
Zhang, Haozhi .................. Disclosed no conflict of interest.
Zhang, Hengwei .............. Disclosed no conflict of interest.
Zhang, Hui ........................ Disclosed no conflict of interest.
Zhang, Jiankang ............. Disclosed no conflict of interest.
Zhang, Jianying .............. Disclosed no conflict of interest.
Zhang, Ling ...................... Disclosed no conflict of interest.
Zhang, Li-Qun ................ 4: Rehabtek LLC; 7B: Rehatek LLC; 8: Rehabtek LLC.
Zhang, Min ........................ Disclosed no conflict of interest.
Zhang, Ning ...................... Disclosed no conflict of interest.
Zhang, Qianzi ................... Disclosed no conflict of interest.
Zhang, Qiong .................... Disclosed no conflict of interest.
Zhang, Victor Z .............. Disclosed no conflict of interest.
Zhang, Wuxia ................... Disclosed no conflict of interest.
Zhang, Xiaoting .............. Disclosed no conflict of interest.
Zhang, Xinping .......................... Disclosed no conflict of interest.
Zhang, Xuancheng .......................... Disclosed no conflict of interest.
Zhang, Xuyang .......................... Disclosed no conflict of interest.
Zhang, Yaxia .......................... Disclosed no conflict of interest.
Zhang, Yejia .......................... Disclosed no conflict of interest.
Zhang, Yi .......................... Disclosed no conflict of interest.
Zhang, Yize .......................... Disclosed no conflict of interest.
Zhang, Yue .......................... Disclosed no conflict of interest.
Zhang, Yujia .......................... Disclosed no conflict of interest.
Zhang, Yukun .......................... Disclosed no conflict of interest.
Zhang, Zijun .......................... Disclosed no conflict of interest.
Zhang, Zhichang .......................... Disclosed no conflict of interest.
Zhang, Ziming .......................... Disclosed no conflict of interest.
Zhao, Chunfeng .......................... Disclosed no conflict of interest.
Zhao, Fengdong .......................... Disclosed no conflict of interest.
Zhao, Gongyin .......................... Disclosed no conflict of interest.
Zhao, Hong .......................... Disclosed no conflict of interest.
Zhao, Jingtong .......................... Disclosed no conflict of interest.
Zhao, Jinzhong .......................... Disclosed no conflict of interest.
Zhao, Kristin D. .......................... Disclosed no conflict of interest.
Zhao, Leon .......................... Disclosed no conflict of interest.
Zhao, Qi .......................... Disclosed no conflict of interest.
Zhao, Thomas .......................... Disclosed no conflict of interest.
Zhao, Xiangli .......................... Disclosed no conflict of interest.
Zhao, Zhe .......................... Disclosed no conflict of interest.
Zheng, Hongjun .......................... Disclosed no conflict of interest.
Zheng, Lizhen .......................... Disclosed no conflict of interest.
Zheng, Naiquan ..................Disclosed no conflict of interest.
Zheng, Nan ..........................Disclosed no conflict of interest.
Zheng, Nianye ......................Disclosed no conflict of interest.
Zheng, Patricia .....................Disclosed no conflict of interest.
Zheng, Victory ........................Disclosed no conflict of interest.
Zheng, Yang ..........................Disclosed no conflict of interest.
Zheng, Zeyu ..........................Disclosed no conflict of interest.
Zhilkibayeva, Aigerim ...........Disclosed no conflict of interest.
Zhong, Gang ..........................Disclosed no conflict of interest.
Zhong, Lingke .......................Disclosed no conflict of interest.
Zhong, Roger ..........................Disclosed no conflict of interest.
Zhou, Chaochao .....................Disclosed no conflict of interest.
Zhou, Daohong .......................Disclosed no conflict of interest.
Zhou, Hong ..........................Disclosed no conflict of interest.
Zhou, Jiamin ..........................Disclosed no conflict of interest.
Zhou, Jun .............................Disclosed no conflict of interest.
Zhou, Leming .........................Disclosed no conflict of interest.
Zhou, Min Hao .......................Disclosed no conflict of interest.
Zhou, Renpeng .......................Disclosed no conflict of interest.
Zhou, Xianhu .........................Disclosed no conflict of interest.
Zhou, Yilu ..........................Disclosed no conflict of interest.
Zhou, Yu ...............................Disclosed no conflict of interest.
Zhu, Elen .............................Disclosed no conflict of interest.
Zhu, Jiaqi .............................Disclosed no conflict of interest.
Zhu, Jingxian .........................Disclosed no conflict of interest.
Zhu, Justin ...........................Disclosed no conflict of interest.
Zhu, Justin R .........................Disclosed no conflict of interest.
Zhu, Manyu ..........................Disclosed no conflict of interest.
Zhu, Shouan .........................Disclosed no conflict of interest.
Zhu, Weihong .......................Disclosed no conflict of interest.
Zhu, Yizhou Disclosed no conflict of interest.
Zhu, Zhemin Disclosed no conflict of interest.
Zhu, Zhenzhong Disclosed no conflict of interest.
Zhuang, Yong Disclosed no conflict of interest.
Zi, Ruoxun Disclosed no conflict of interest.
Zila, Lea Disclosed no conflict of interest.
Ziminska, Monika Disclosed no conflict of interest.
Zimmer, Nicole Disclosed no conflict of interest.
Zimmermann, Elizabeth Disclosed no conflict of interest.
Ziopoulos, Peter Disclosed no conflict of interest.
Ziper, Nicole Disclosed no conflict of interest.
Zippelius, Timo Disclosed no conflict of interest.
Zirbes, Christian Disclosed no conflict of interest.
Zitnay, Jared Disclosed no conflict of interest.
Zitnay, Jared L Disclosed no conflict of interest.
Ziyaeyan, Atoosa Disclosed no conflict of interest.
Zlotnick, Hannah M Disclosed no conflict of interest.
Zmistowski, Benjamin M Disclosed no conflict of interest.
Zojaji, Mahsa Disclosed no conflict of interest.
Zöllner, Lena Disclosed no conflict of interest.
Zondervan, Robert Disclosed no conflict of interest.
Zou, Diyang Disclosed no conflict of interest.
Zou, Trudy Disclosed no conflict of interest.
Zu, Haiyue Disclosed no conflict of interest.
Zucker, Colson Disclosed no conflict of interest.
Zuckerman, Joseph 3B: Exactech, Inc.; 7A: Exactech, Inc.
Zumbrunn, Thomas Disclosed no conflict of interest.
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