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<td>Beals, Caitlyn</td>
<td>3A: MedShape.</td>
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<td>Bechtold, Joan E</td>
<td>3C: SI Bone; 5: Medtronic; 7B: JBJS; 8: JBJS; 9: ASB.</td>
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<td>Beck, Christopher A</td>
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Bell, Richard D .......................... Disclosed no conflict of interest.

Beltran, Luis S .......................... Disclosed no conflict of interest.

Benage, Lindsay G .......................... Disclosed no conflict of interest.

Bendigo, Justin .......................... 3A: Biorez.

Benes, Gregory .......................... Disclosed no conflict of interest.

Beneveia, Joseph .......................... 3A: Co-founder of CreOsso, a company focused on bone healing adjuncts.

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

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

Benn, Andreas .......................... Disclosed no conflict of interest.

Benneker, Lorin M .......................... Disclosed no conflict of interest.

Benneker, Lorin M. .......................... Disclosed no conflict of interest.

Bensadoun, Julian .......................... Disclosed no conflict of interest.

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

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

Bergeron, Stephane .......................... Disclosed no conflict of interest.

Bergholt, Mads S .......................... Disclosed no conflict of interest.

Bergholt, Mads S. .......................... Disclosed no conflict of interest.

Bergman, Rachel F .......................... Disclosed no conflict of interest.

Berke, Ian M .......................... Disclosed no conflict of interest.

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

Bernard, Fabrice .......................... Disclosed no conflict of interest.

Bernas, Geoffrey .......................... Disclosed no conflict of interest.

Berns, Ellis .......................... Disclosed no conflict of interest.

Berns, Ellis M .......................... Disclosed no conflict of interest.

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

Bernthal, Nicholas M .......................... Disclosed no conflict of interest.

Bernthal, Nicholas M. .......................... 3B: Daiichi Sankyo Inc., Zimmer Biomet, ONKOS Surgical, Bone Support, Deciphera; 5: Trellis Bioscience, Biocomposites.

Bertels, Josh .......................... Disclosed no conflict of interest.

Bertels, Joshua .......................... Disclosed no conflict of interest.
Bertrand, Fabrice 3A: Blue Ortho.

Berube, Erin Disclosed no conflict of interest.

Besler, Bryce A Disclosed no conflict of interest.

Besler, Bryce A Disclosed no conflict of interest.

Besschetnova, Tatiana 3A: Radius Health Inc; 4: Radius Health Inc.

Best, Benjamin Disclosed no conflict of interest.

Best, Katherine Disclosed no conflict of interest.

Best, Thomas M Disclosed no conflict of interest.

Betech, Alex Disclosed no conflict of interest.

Betsch, Kevin Disclosed no conflict of interest.

Beveridge, Jillian E. Disclosed no conflict of interest.

Bevins, Nicholas Disclosed no conflict of interest.

Bey, Michael J Disclosed no conflict of interest.

Beynnon, Bruce D Disclosed no conflict of interest.

Beynnon, Bruce D 8: Journal of Orthopaedic Research.

Beynnon, Bruce D Disclosed no conflict of interest.

Bezold, Will Disclosed no conflict of interest.

Bhadouria, Neharika Disclosed no conflict of interest.

Bharadwaj, Upasana Disclosed no conflict of interest.

Bhatia, Sanjeev Disclosed no conflict of interest.

Bhattacharjee, Arjak Disclosed no conflict of interest.

Bhattacharjee, Sarah Disclosed no conflict of interest.

Bhattacharyya, Subha 3A: mtf biologics; 6: ConMed.

Bhattaram, Pallavi Disclosed no conflict of interest.

Bhave, Sampada Disclosed no conflict of interest.

Bhimani, Rohan Disclosed no conflict of interest.

Bhogal, Sumail Disclosed no conflict of interest.

Bhowmik-Stoker, Manoshi 3A: Stryker; 4: Stryker.

Bhowmik-Stoker, Manoshi 3A: Stryker.

Bi, Yufei Disclosed no conflict of interest.
Bice, Ryan ...........................................Disclosure no conflict of interest.
Biermann, J. Sybil.............................Disclosure no conflict of interest.
Bijukumar, Divya..............................Disclosure no conflict of interest.
Billi, Fabrizio ..................................Disclosure no conflict of interest.
Billings, Caroline............................Disclosure no conflict of interest.
Biltz, Nicole ....................................Disclosure no conflict of interest.
Binch, Abbie....................................Disclosure no conflict of interest.
Binch, Abbie LA..............................Disclosure no conflict of interest.
Bingham, Justin...............................3A: DiscGenics; 4: DiscGenics.
Birchmeier, Thomas...........................Disclosure no conflict of interest.
Bird, Alyssa ....................................Disclosure no conflict of interest.
Birk, David E.................................Disclosure no conflict of interest.
Birman, Victor..................................Disclosure no conflict of interest.
Bisazza, Katie T..............................Disclosure no conflict of interest.
Bischoff, Jeffrey E............................3A: Zimmer Biomet; 4: Zimmer Biomet.
Bisson, Leslie ..................................Disclosure no conflict of interest.
Bisson, Leslie J...............................Disclosure no conflict of interest.
Bisson, Rian ....................................Disclosure no conflict of interest.
Bitar, Rogerio.................................Disclosure no conflict of interest.
Bitter, Thom...................................Disclosure no conflict of interest.
Blache, Ulrich.................................Disclosure no conflict of interest.
Black, Marianne S............................4: Arbutus Medical.
Black, Marianne S............................4: Arbutus Medical Inc.
Black, Rebecca...............................Disclosure no conflict of interest.
Blair, Matthew...............................Disclosure no conflict of interest.
Blake, Ryan....................................Disclosure no conflict of interest.
Blaker, Carina.................................Disclosure no conflict of interest.
Blaker, Carina L..............................Disclosure no conflict of interest.
Blank, Jonathan L ...................... Disclosed no conflict of interest.
Blank, Jonathon ........................ Disclosed no conflict of interest.
Blank, Kenneth ........................ Disclosed no conflict of interest.
Blatter, Iris ...............................3A: Zimmer GMBH; 4: Zimmer Biomet.
Blomquist, Matthew B ............... Disclosed no conflict of interest.
Bloomfield, Riley A ................... Disclosed no conflict of interest.
Boden, Allison .......................... Disclosed no conflict of interest.
Boelter, Kaitlyn ....................... Disclosed no conflict of interest.
Boerckel, Joel D. ...................... Disclosed no conflict of interest.
Bogosian, Claire ....................... Disclosed no conflict of interest.
Bohner, Ariel .......................... Disclosed no conflict of interest.
Boinpally, Neha ........................ Disclosed no conflict of interest.
Bois, Aaron .............................. Disclosed no conflict of interest.
Boiwka, Alexander V ............... Disclosed no conflict of interest.
Bolam, Scott M .......................... Disclosed no conflict of interest.
Bolia-Kavouklis, Ioanna ........... Disclosed no conflict of interest.
Bolte, Julia .............................. Disclosed no conflict of interest.
Bomar, James ........................... Disclosed no conflict of interest.
Bonassar, Lawrence .................. 4: 3DBio Corp.
Bonassar, Lawrence .................. 4: 3DBio.
Bonassar, Lawrence J ............... 3B: 3DBio Corp.
Bonassar, Lawrence J ............... 4: 3D Bio Corp.
Bondy, Jedediah ...................... Disclosed no conflict of interest.
Bonnet, Cleo S ......................... Disclosed no conflict of interest.
Bonnheim, Noah B ..................... Disclosed no conflict of interest.
Bonthius, Daniel ..................... Disclosed no conflict of interest.
Boone, Kyle ............................. Disclosed no conflict of interest.
Boorman, Sophie ..................... Disclosed no conflict of interest.
Boorman-Padgett, James Disclosed no conflict of interest.
Borjali, Alireza Disclosed no conflict of interest.
Born, Christopher 4: BI Medical.
Born, Christopher 4: BI Medical LLC.
Born, Christopher 3B: Stryker; 3C: BI Medical, Biointraface; 4: BI Medical, Biointraface; 7A: Stryker.
Born, Christopher T 3B: Stryker Trauma.
Borowik, Agnieszka Disclosed no conflict of interest.
Borrero, Camilo Disclosed no conflict of interest.
Borst, Johanna Disclosed no conflict of interest.
Bosch, Patrick P Disclosed no conflict of interest.
Bose, Susmita Disclosed no conflict of interest.
Bostrom, Mathias P 3B: Smith & Nephew.
Bostrom, Mathias P.G. 3B: Smith & Nephew.
Bostrom, Mathias PG 3B: Smith & Nephew.
Bostrom, Matthias 1: Smith and Nephew; 6: Smith and Nephew, NIH, Ines Mandl Research Foundation.
Bou-Akl, Therese Disclosed no conflict of interest.
Bouchareychas, Laura Disclosed no conflict of interest.
Bourgine, Paul Disclosed no conflict of interest.
Bouz, Gabriel J Disclosed no conflict of interest.
Bovonratwet, Patawut Disclosed no conflict of interest.
Bowen, Edward Disclosed no conflict of interest.
Bowen, Stephen N Disclosed no conflict of interest.
Bowles, Robby Disclosed no conflict of interest.
Bowles, Robby D Disclosed no conflict of interest.
Bowman, Fred..........................3A: MicroPort Orthopedics.

Bowman, Fred..........................3A: Fred Bowman.

Box, Kasheena ..........................Disclosed no conflict of interest.


Boyce, Brendan F ..........................Disclosed no conflict of interest.

Boyd, Jonathan ..........................Disclosed no conflict of interest.

Boyd, Steven K ..........................Disclosed no conflict of interest.

Boyer, Philip ..........................Disclosed no conflict of interest.

Boyle, K Keely ..........................Disclosed no conflict of interest.

Boys, Alexander J ..........................Disclosed no conflict of interest.

Bozynski, Chantelle ..........................Disclosed no conflict of interest.

Bozynski, Chantelle C ..........................Disclosed no conflict of interest.

Bradley, Elizabeth ..........................Disclosed no conflict of interest.

Bradley, Elizabeth W ..........................Disclosed no conflict of interest.

Brady, Alex ..........................Disclosed no conflict of interest.

Brady, Alex W. ..........................Disclosed no conflict of interest.

Braender-Carr, Olivia ..........................Disclosed no conflict of interest.

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

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

Braithwaite, Gavin ..........................3A: Cambridge Polymer Group; 4: Cambridge Polymer Group.

Bral, Elexis ..........................Disclosed no conflict of interest.

Braly, Houston ..........................Disclosed no conflict of interest.

Branche, Katherine ..........................Disclosed no conflict of interest.

Brantner, Collin ..........................Disclosed no conflict of interest.

Brashear, Sarah E ..........................Disclosed no conflict of interest.
Breakwell, Lee .................................. Disclosed no conflict of interest.
Bredbenner, Todd L .......................... Disclosed no conflict of interest.
Brenner, Rolf E .................................. Disclosed no conflict of interest.
Brett, Owens D. .............................. Disclosed no conflict of interest.
Brewer, Erik ..................................... 3B: ReGelTec Inc; 4: ReGelTec Inc; 5: ReGelTec Inc; 6: ReGelTec Inc.
Brisson, Becky K. .............................. Disclosed no conflict of interest.
Britton, Joshua .................................. Disclosed no conflict of interest.
Broberg, Jordan .............................. Disclosed no conflict of interest.
Broberg, Jordan S ............................. Disclosed no conflict of interest.
Brock, Marissa .................................. Disclosed no conflict of interest.
Brockbank, Kelvin ............................. 3A: PAID EMPLOYEE of Tissue Testing Technologies LLC.
Brockett, Claire L .............................. Disclosed no conflict of interest.
Broderick, Kristen ............................ Disclosed no conflict of interest.
Brodeur, Peter .................................. Disclosed no conflict of interest.
Brokken, Matthew T. ........................ Disclosed no conflict of interest.
Brolinson, P Gunnar .......................... Disclosed no conflict of interest.
Bronstone, Amy ............................... Disclosed no conflict of interest.
Brooks, Jacob .................................. Disclosed no conflict of interest.
Brooks, Margaret ............................. Disclosed no conflict of interest.
Brooks, Myya .................................. Disclosed no conflict of interest.
Brophy, Robert ................................. 3B: Arthrex, Sanofi.
Brophy, Robert H .............................. 8: AJSM; 9: AAOS, AOA, AOSSM.
Brothers, Kimberly M ........................ Disclosed no conflict of interest.
Brothers, Kimberly M ........................ Disclosed no conflict of interest.
Brown, Alexander E. ........................ Disclosed no conflict of interest.
Brown, Brigid .................................. Disclosed no conflict of interest.
Brown, Edward ............................... Disclosed no conflict of interest.
Brown, Emma .................................. Disclosed no conflict of interest.
Brown, Kelsey ................................. Disclosed no conflict of interest.
Brown, Lauryn G .............................. Disclosed no conflict of interest.
Brown, Michael Ethan............*Disclosure no conflict of interest.*
Brown, Roshawn.......................*Disclosure no conflict of interest.*
Brown, Scot .................................*Disclosure no conflict of interest.*
Brown, Stephen HM .........................*Disclosure no conflict of interest.*
Brown, Symone...............................*Disclosure no conflict of interest.*
Brown, Tammy .................................*Disclosure no conflict of interest.*
Brown, Tyler N ...............................*Disclosure no conflict of interest.*
Brown, Zachary .............................3A: ReGelTec Inc; 6: ReGelTec Inc.
Browne, Kevin D ............................*Disclosure no conflict of interest.*
Browne, Shane ...............................*Disclosure no conflict of interest.*
Broz, Kaitlyn S .............................*Disclosure no conflict of interest.*
Brozovich, Ava A ...........................*Disclosure no conflict of interest.*
Brubacher, Jacob ...........................*Disclosure no conflict of interest.*
Brusalis, Christopher M ..........................*Disclosure no conflict of interest.*
Bryant, John T ...............................*Disclosure no conflict of interest.*
Bryniarski, Anna ............................*Disclosure no conflict of interest.*
Bryniarski, Anna R ..........................*Disclosure no conflict of interest.*
Buchanan, Thomas S ........................*Disclosure no conflict of interest.*
Buchanan, Thomas S ........................*Disclosure no conflict of interest.*
Buckley, Mark ...............................*Disclosure no conflict of interest.*
Buckley, Richard ............................*Disclosure no conflict of interest.*
Buckley, Simon C ...........................*Disclosure no conflict of interest.*
Bucovsky, Mariana ..........................*Disclosure no conflict of interest.*
Budden, Theodore ..........................*Disclosure no conflict of interest.*
Bue, Mats ..................................*Disclosure no conflict of interest.*
Buettmann, Evan Disclosed no conflict of interest.
Buettmann, Evan G Disclosed no conflict of interest.
Buettner, Garry R Disclosed no conflict of interest.
Bugbee, William D. 3B: JRF Ortho, Arthrex.
Bull, Anthony MJ Disclosed no conflict of interest.
Bullen, Jennifer Disclosed no conflict of interest.
Bumgardner, Joel D. 1: Bionova Medical Inc; 5: Austin Medical Ventures, Triad Life Sciences; 7B: Elsevier; 8: Journal of Biomedical Materials Research Part B.; 9: Society for Biomaterials.
Bunnell, Bruce Disclosed no conflict of interest.
Bunnell, Bruce A Disclosed no conflict of interest.
Bunnell, Bruce A Disclosed no conflict of interest.
Burdick, Jason Disclosed no conflict of interest.
Burdick, Jason A Disclosed no conflict of interest.
Burge, Alissa J. Disclosed no conflict of interest.
Burger-Van Der Walt, Evalina Disclosed no conflict of interest.
Burkhead, Katie 3A: DePuy Synthes.
Burkus, John Kenneth 3B: VIVEX Biologics Inc.
Burns, David M. 4: Halterix.
Bursac, Zoran Disclosed no conflict of interest.
Burt, Kevin Disclosed no conflict of interest.
Burt, Kevin G Disclosed no conflict of interest.
Burton, Bryce Disclosed no conflict of interest.
Burton, William Disclosed no conflict of interest.
Bush, Ashley Disclosed no conflict of interest.
Bushelow, Michael 3A: DePuy Synthes; 4: Johnson & Johnson.
Butler, Samuel C. Disclosed no conflict of interest.
Butsenko, Dmitriy Disclosed no conflict of interest.
Buttgereit, Frank Disclosed no conflict of interest.
Buys, Willem Disclosed no conflict of interest.
Bydon, Mohamad .......................... Disclosed no conflict of interest.
Byrapogu, Venkata .......................... Disclosed no conflict of interest.
Byrapogu, Venkata Kalyan C ....... 3A: Orthopedic Analysis LLC.
Byrne, Kevin .......................... Disclosed no conflict of interest.
Byvaltsev, Vadim A .............. 3A: Johnson & Johnson; 4: ABBVIE, BRISTOL-MYERS SQUIBB, GILEAD SCIENCES, GLAXOSMITHKLINE.
Caballero, José de E .................. Disclosed no conflict of interest.
Caceres, Manuel D .................. Disclosed no conflict of interest.
Cafri, Guy ................................... 3A: Johnson & Johnson; 4: ABBVIE, BRISTOL-MYERS SQUIBB, GILEAD SCIENCES, GLAXOSMITHKLINE.
Cahill, Patrick J .................. Disclosed no conflict of interest.
Cai, Lei .................................. Disclosed no conflict of interest.
Cai, Xiaoyu ................................ Disclosed no conflict of interest.
Cai, Zhuochang .......................... Disclosed no conflict of interest.
Caicedo, Marco S. .................. 3A: Orthopedic Analysis LLC.
Cain, Jarrett D. .................. 3B: CareStream Health, Kinos Medical; 8: Journal of Foot & Ankle Surgery.
Caird, Michelle S. .............. Disclosed no conflict of interest.
Caisley, Allyson B .................. Disclosed no conflict of interest.
Caldwell, Christopher ............. Disclosed no conflict of interest.
Caldwell, Lauren .................. Disclosed no conflict of interest.
Call, Jarrod .................. Disclosed no conflict of interest.
Callon, Karen E .................. Disclosed no conflict of interest.
Cameron, Emily G .............. Disclosed no conflict of interest.
Cameron, James .................. Disclosed no conflict of interest.
Caminha, Ieda M.V. .............. Disclosed no conflict of interest.
Cammisa, Frank .................. Disclosed no conflict of interest.
Cammisa, Frank P .................. Disclosed no conflict of interest.
Campagne, Mikayla .............. Disclosed no conflict of interest.
Campbell, Lia .................. 3A: PAID EMPLOYEE of Tissue Testing Technologies LLC.
Can, Nejat Yigit .................. Disclosed no conflict of interest.
Cannada, Lisa K Disclosed no conflict of interest.
Cannon, Paul Disclosed no conflict of interest.
Canton, Stephen Disclosed no conflict of interest.
Cao, Can Disclosed no conflict of interest.
Cao, Wentao Disclosed no conflict of interest.
Cao, Xu Disclosed no conflict of interest.
Capar, Serdar Disclosed no conflict of interest.
Capin, Jacob J Disclosed no conflict of interest.
Capogna, Elizabeth Disclosed no conflict of interest.
Cappellini, Alex Disclosed no conflict of interest.
Cappellini, Alex J Disclosed no conflict of interest.
Carballo, Camila B Disclosed no conflict of interest.
Carbone, Andrew Disclosed no conflict of interest.
Carder, Seth Disclosed no conflict of interest.
Cardona-Ramirez, Sebastian Disclosed no conflict of interest.
Carender, Christopher N 8: Journal of Arthroplasty, Iowa Orthopedic Journal.
Carender, Christopher N 8: Journal of Arthroplasty.
Carey, James L 3C: Vericel.
Carey, James L 3C: Vericel; 5: Vericel; 8: AJSM.
Carli, Alberto 3B: KCI.
Carli, Alberto V 3B: KCI.
Carlee, Tyler Disclosed no conflict of interest.
Carlson, Cathy S Disclosed no conflict of interest.
Carlson, Cathy S Disclosed no conflict of interest.
Carlson, Greg Disclosed no conflict of interest.
Carlson, Jaclyn A Disclosed no conflict of interest.
Carniel, Thiago Andre Disclosed no conflict of interest.
Carpenter, Dana 5: Applied Medical Technology, Inc.
Carriero, Alessandra Disclosed no conflict of interest.
Carrino, John Disclosed no conflict of interest.
Carroll, Colin Disclosed no conflict of interest.
Carroll, Kaitlin M Disclosed no conflict of interest.
Carroll, Sean K Disclosed no conflict of interest.
Carswell, Tess Disclosed no conflict of interest.
Carter, Andrew 3B: Biorez.
Carter, Jennifer Disclosed no conflict of interest.
Casagranda, Bethany Disclosed no conflict of interest.
Casal, Margret Disclosed no conflict of interest.
Cascia, Nicole Disclosed no conflict of interest.
Casden, Michael Disclosed no conflict of interest.
Casebier, Justin C Disclosed no conflict of interest.
Castellon, Alexis Disclosed no conflict of interest.
Castile, Ryan Disclosed no conflict of interest.
Castile, Ryan M Disclosed no conflict of interest.
Castillo, Francine Disclosed no conflict of interest.
Castillo, Wilfrido Javier Disclosed no conflict of interest.
Catelli, Danilo S Disclosed no conflict of interest.
Cauble, Meagan A Disclosed no conflict of interest.
Causey, Greg C 3B: Applied Medical Technology, Inc.
Cederna, Paul S Disclosed no conflict of interest.
Cegla, Frederic Disclosed no conflict of interest.
Cercone, Marta Disclosed no conflict of interest.
Cesarovic, Nikola Disclosed no conflict of interest.
Cevallos, Nicolas Disclosed no conflict of interest.
Cha, Thomas 3B: Bio2, GE Healthcare, K2M; 5: K2M, Nuvasive.
Cha, Thomas 3B: Bio 2, GE Healthcare, K2M; 5: K2M, Nuvasive.
Chae, Sudong Disclosed no conflict of interest.
Chahine, Nadeen .................. *Disclosed no conflict of interest.*
Chahine, Nadeen O .................. *Disclosed no conflict of interest.*
Chahine, Nadeen O .................. *Disclosed no conflict of interest.*
Chahla, Jorge .......................... 5: CONMED Linvatec, OSSUR and Smith & Nephew.
Chahla, Jorge .......................... 5: Össur, Arthrex, CONMED, and Smith & Nephew.
Chakka, Anish B .................. *Disclosed no conflict of interest.*
Chakraborty, Debabrata ........... *Disclosed no conflict of interest.*
Chalmers, Brian .................. *Disclosed no conflict of interest.*
Chamberlain, Aaron M .............. *Disclosed no conflict of interest.*
Chambre, Laura .................. *Disclosed no conflict of interest.*
Chan, Calvin .................. *Disclosed no conflict of interest.*
Chan, Calvin K .................. *Disclosed no conflict of interest.*
Chan, Kang .................. *Disclosed no conflict of interest.*
Chan, Kiara .................. *Disclosed no conflict of interest.*
Chan, Kiara M .................. *Disclosed no conflict of interest.*
Chan, Stephen .................. *Disclosed no conflict of interest.*
Chan, Yu Kiu Victor .......... *Disclosed no conflict of interest.*
Chancellor, Ann .................. *Disclosed no conflict of interest.*
Chanda, Souptick .................. *Disclosed no conflict of interest.*
Chandran, Uma .................. *Disclosed no conflict of interest.*
Chandrasekaran, Ramya .......... *Disclosed no conflict of interest.*
Chang, Douglas .................. *Disclosed no conflict of interest.*
Chang, Iou-Ren .................. *Disclosed no conflict of interest.*
Chang, Je-Ken .................. *Disclosed no conflict of interest.*
Chang, Ling-Hua .................. *Disclosed no conflict of interest.*
Chang, Peter S .................. *Disclosed no conflict of interest.*
Chang, Solomon .................. Disclosed no conflict of interest.
Chao, Richard ........................ Disclosed no conflict of interest.
Chapman, Graham J ............... Disclosed no conflict of interest.
Chapman, Ryan M .................. Disclosed no conflict of interest.
Chapman, Savita .................... 3A: MedShape.
Chapple, Andrew ................... Disclosed no conflict of interest.
Chapple, Andrew G .................. Disclosed no conflict of interest.
Charbonneau, Cherie .............. Disclosed no conflict of interest.
Charles, Shaquille ................ Disclosed no conflict of interest.
Chase, Kayla L ...................... Disclosed no conflict of interest.
Chase, Kevin ........................ Disclosed no conflict of interest.
Chastain II, Paul ................... Disclosed no conflict of interest.
Chatterjee, Monideepa ........... Disclosed no conflict of interest.
Chatterji, Rishi .................... Disclosed no conflict of interest.
Chatzistavrou, Xanthippi ....... Disclosed no conflict of interest.
Chaudhari, Abhijit J ............... Disclosed no conflict of interest.
Chaudhari, Akshay .................. 3A: SkopeMR, Inc, Subtle Medical, Chondrometrics GmbH, Image Analysis Group, Edge Analytics, Culvert Engineering; 3B: Subtle Medical, LVIS, Brain Key; 4: Subtle Medical; 5: GE Healthcare.
Chaudhari, Akshay S .............. 3A: Skope MR Inc., Subtle Medical, Chondrometrics GmbH, Image Analysis Group, Edge Analytics, Culvert Engineering; 3B: Subtle Medical, LVIS, Brain Key; 4: Subtle Medical; 5: GE Healthcare.
Chaudhuri, Soumilee .............. Disclosed no conflict of interest.
Chausse, Daniel L .................. Disclosed no conflict of interest.
Chauvin, Hannah .................. Disclosed no conflict of interest.
Chawla, Dipul ....................... Disclosed no conflict of interest.
Checa, Sara ........................ Disclosed no conflict of interest.
Chee, Ana .......................... Disclosed no conflict of interest.
Chen, Aaron Z ...................... Disclosed no conflict of interest.
Chen, Angel ........................ Disclosed no conflict of interest.
Chen, An-min ....................... Disclosed no conflict of interest.
Chen, Antonia ...................... 3B: Stryker.
Chen, Changhong ... disclosed no conflict of interest.
Chen, Christopher ... disclosed no conflict of interest.
Chen, Chung-Hwan ... disclosed no conflict of interest.
Chen, Daoyun ... disclosed no conflict of interest.
Chen, David ... disclosed no conflict of interest.
Chen, Elizabeth S. ... disclosed no conflict of interest.
Chen, Hsin Huei ... disclosed no conflict of interest.
Chen, Jhen-Wei ... disclosed no conflict of interest.
Chen, Ji ... 3A: University of Houston.
Chen, Ji ... 3B: Ji Chen.
Chen, Jie ... disclosed no conflict of interest.
Chen, Junyu ... disclosed no conflict of interest.
Chen, Keren ... disclosed no conflict of interest.
Chen, Liang ... disclosed no conflict of interest.
Chen, Matthew ... disclosed no conflict of interest.
Chen, Meng ... disclosed no conflict of interest.
Chen, Ningrong ... disclosed no conflict of interest.
Chen, Peng ... disclosed no conflict of interest.
Chen, Qian ... disclosed no conflict of interest.
Chen, Raymond E ... disclosed no conflict of interest.
Chen, Roy J ... disclosed no conflict of interest.
Chen, Shih-Chieh ... disclosed no conflict of interest.
Chen, Stephen R ... disclosed no conflict of interest.
Chen, Stephen R ... disclosed no conflict of interest.
Chen, Ting ... disclosed no conflict of interest.
Chen, Tony ... disclosed no conflict of interest.
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Chen, Weitong ... disclosed no conflict of interest.
Chen, Xiang ... disclosed no conflict of interest.
Chen, Yicong ... disclosed no conflict of interest.
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Chesnais, Helene .......................... Disclosed no conflict of interest.
Cheung, Ambrose L .......................... Disclosed no conflict of interest.
Cheung, Carrie .......................... Disclosed no conflict of interest.
Cheung, Kenneth .......................... Disclosed no conflict of interest.
Cheung, Wing Hoi .......................... Disclosed no conflict of interest.
Cheung, Wing-hoi .......................... Disclosed no conflict of interest.
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Choi, Jae-Young ............................ Disclosed no conflict of interest.
Choi, Jong Hyun ............................ Disclosed no conflict of interest.
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Choi, Stephen .............................. Disclosed no conflict of interest.
Choi, Yongwon ............................. Disclosed no conflict of interest.
Choi, Yoonjung ............................. Disclosed no conflict of interest.
Choi, Yun-rak ............................... Disclosed no conflict of interest.
Choma, Nicholas .......................... Disclosed no conflict of interest.


Chopra, Ahab ..................................Disclosure no conflict of interest.

Chou, Liang-Yin ..............................Disclosure no conflict of interest.

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Choueka, Jack .................................Disclosure no conflict of interest.

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Chu, Alice .................................Disclosure no conflict of interest.

Chu, Constance ..............................Disclosure no conflict of interest.

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Chuang, Shu-Chun ...........................Disclosure no conflict of interest.

Chubinskaya, Susan .........................Disclosure no conflict of interest.


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Cinelli, Paolo .................................Disclosure no conflict of interest.

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Cohen, Samuel A .......................... Disclosed no conflict of interest.
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Coleman, Emily .......................... Disclosed no conflict of interest.
Coleman, Mitchell C .......................... Disclosed no conflict of interest.
Coleman, Rhima Disclosed no conflict of interest.
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Collins, Jamie E Disclosed no conflict of interest.
Collins, Katherine A Disclosed no conflict of interest.
Collins, Kelsey Disclosed no conflict of interest.
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Crouch, Dustin L ..........................Disclosed no conflict of interest.

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

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Cui, Can .....................................Disclosed no conflict of interest.

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Dasa, Vinod 2: Bioventus, Swiftpath, Pacira; 3B: Bioventus, Pacira; 4: SIGHT Medical, My Medical Images, Goldfinch; 5: SKK, Cartiheal, KCI, Cymedica, OREF, NIH; 8: J of ortho experience and innovation.

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Davies, Michael R .................. Disclosed no conflict of interest.
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Davis, Brian ...................... Disclosed no conflict of interest.
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De Rosa, Enrica ................... Disclosed no conflict of interest.
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Del Prince, Clayton L

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Deng, Xianghua Disclosed no conflict of interest.
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Deng, Ye Disclosed no conflict of interest.
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Di Carlo, Edward F  ... Disclosed no conflict of interest.
Dicks, Amanda  ... Disclosed no conflict of interest.
Diedring, Ben  ... Disclosed no conflict of interest.
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DiNenna, Michael A. .................Disclosed no conflict of interest.

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Dodd, Andrew E Disclosed no conflict of interest.
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Dorn, Jennifer .......................Disclosed no conflict of interest.
Dornan, Grant .........................Disclosed no conflict of interest.
Dornan, Grant J .......................Disclosed no conflict of interest.
dos Santos, Cláudio T ...............Disclosed no conflict of interest.
dos Santos, Vinícius O ..............Disclosed no conflict of interest.
Doshi, Panth ..........................Disclosed no conflict of interest.
Doty, Stephen B ......................Disclosed no conflict of interest.
Dou, Qi ................................Disclosed no conflict of interest.
Douglas, Brooke ......................Disclosed no conflict of interest.
Douglas, Hope .........................Disclosed no conflict of interest.
Douglas, Scott J ......................Disclosed no conflict of interest.
Douglass, Brenton W ..........................Disclosed no conflict of interest.
Douglass, Brenton W ..........................Disclosed no conflict of interest.
Dovlatyan, Ruben ....................Disclosed no conflict of interest.
Dow, Steven ..........................Disclosed no conflict of interest.
Downing, Justin ......................Disclosed no conflict of interest.
Dragoo, Jason L .......................Disclosed no conflict of interest.
Drakos, Mark ..........................1: Extremity Medical; 3B: Fast Form, Piltusan 360; 9: American Orthopaedic Foot and Ankle Society.
Dreyer, Michael J ...................Disclosed no conflict of interest.
Driscoll, Daniel .......................Disclosed no conflict of interest.
Driscoll, Daniel Alexander .......Disclosed no conflict of interest.
Drissi, Hicham .........................Disclosed no conflict of interest.
Drost, Joshua .........................Disclosed no conflict of interest.
Duan, Wei ..............................Disclosed no conflict of interest.
Duan, Xin ..............................Disclosed no conflict of interest.
DuBose, Matthew ....................Disclosed no conflict of interest.
Dubyak, George ......................Disclosed no conflict of interest.
Duclos, Steven J ....................Disclosed no conflict of interest.
Duda, Georg N. disclosed no conflict of interest.

Dudli, Stefan disclosed no conflict of interest.

Duemmler, Marc disclosed no conflict of interest.

Duffy, Paul disclosed no conflict of interest.

Dulatova, Gala 3A: DiscGenics; 4: DiscGenics.

Dum, Shouchen 3A: DePuy Synthes.

Dun, Shouchen 3B: DePuy Synthes.

Dun, Shouchen 3A: DePuy Synthes.

Dunbar, Michael 1: Stryker; 3B: Stryker.

Dunbar, Michael J 2: Stryker Orthopaedics; 3B: Stryker Orthopaedics.

Duncan, William disclosed no conflict of interest.

Dunham, Chelsey L disclosed no conflict of interest.

Dunkle, Zachary disclosed no conflict of interest.

Dunn, Andrew 4: Have equity interest in GenAssist.

Dunn, Robin Hall disclosed no conflict of interest.

Duquin, Thomas R disclosed no conflict of interest.

Durgam, Sushmitha S disclosed no conflict of interest.

Dürselen, Lutz disclosed no conflict of interest.

Dusane, Devendra H 3B: Biocomposites Ltd.

Duss, Anja disclosed no conflict of interest.

Dutta, Abir disclosed no conflict of interest.

Dutta, Kaushik disclosed no conflict of interest.

Duvall, Craig disclosed no conflict of interest.

Dwivedi, Garima disclosed no conflict of interest.

Dwyer, Roisin M disclosed no conflict of interest.

Dyment, Nathaniel disclosed no conflict of interest.

Dyment, Nathaniel A disclosed no conflict of interest.

Dziesinski, Lucas K disclosed no conflict of interest.

Easley, Jeremiah disclosed no conflict of interest.

Easson, Garrett W disclosed no conflict of interest.
Eastell, Richard ..................................*Disclosed no conflict of interest.*
Ebata, Taku ..................................*Disclosed no conflict of interest.*
Ebinger, Kathrin ..............................*Disclosed no conflict of interest.*
Eble, Stephanie .............................*Disclosed no conflict of interest.*
Ebrahimian, Tala .............................*Disclosed no conflict of interest.*
Ebrahimzadeh, Edward ..................5: OrthoFix, Sunnyvale.
Ebrahimzadeh, Edward ..................5: DePuy Orthopaedics, Orthofix, Microport, Nuvasive, NIH.
Echternacht, Scott R .........................*Disclosed no conflict of interest.*
Eck, Andrew ...............................*Disclosed no conflict of interest.*
Eck, Brendan L ...............................*Disclosed no conflict of interest.*
Eckardt, Jeffrey J ............................*Disclosed no conflict of interest.*
Eckstein, Kendra ............................*Disclosed no conflict of interest.*
Edalati, Masoud .............................3A: United Healthcare Imaging.
Edgar, David J ...............................*Disclosed no conflict of interest.*
Edobor-Osula, Folorunsho ..........*Disclosed no conflict of interest.*
Edobor-Osula, O. Folorunsho ....*Disclosed no conflict of interest.*
Edwards, David .............................*Disclosed no conflict of interest.*
Edwards, Nicole J ............................*Disclosed no conflict of interest.*
Edwards, W Brent ..........................*Disclosed no conflict of interest.*
Edwards, W. Brent .........................*Disclosed no conflict of interest.*
Eekhoff, Jeremy D ........................*Disclosed no conflict of interest.*
Eghan-Acquah, Emmanuel ............*Disclosed no conflict of interest.*
Eghan-Acquah, Emma nuel .......*Disclosed no conflict of interest.*
Eglau, Janick ...............................*Disclosed no conflict of interest.*
Eglin, David ...............................*Disclosed no conflict of interest.*
Ehrensberger, Mark ........................*Disclosed no conflict of interest.*
Eibel, Adam ...............................*Disclosed no conflict of interest.*
Eichaker, Lauren R ........................5: Foundation Fusion Solutions, LLC, dba CornerLoc.
Eichinger, Josef .....................*Disclosed no conflict of interest.*
Eichinger, Josef K. ..................3B: Exactech; 4: JPS; 5: Johnson & Johnson, PCORI.
Eijansantos, Mando L .................*Disclosed no conflict of interest.*
Einhorn, Thomas A. .................*Disclosed no conflict of interest.*
Eisenstein, Avraham ...............*Disclosed no conflict of interest.*
Ekhtiari, Seper .....................*Disclosed no conflict of interest.*
Ekkerlein, Andreas .................*Disclosed no conflict of interest.*
El Shatanofoi, Muhammad ........*Disclosed no conflict of interest.*
Elahi, Anissa .......................*Disclosed no conflict of interest.*
Elakkari, Sherif ....................*Disclosed no conflict of interest.*
Elfar, John ..........................*Disclosed no conflict of interest.*
El-Gabalawy, Hani .................*Disclosed no conflict of interest.*
Elhance, Ajit .......................*Disclosed no conflict of interest.*
Elias, John J ........................*Disclosed no conflict of interest.*
Eliseev, Roman .....................5: research contract from Sanabit Technologies.
Ellermann, Jutta ...................*Disclosed no conflict of interest.*
Ellermann, Jutta M .................*Disclosed no conflict of interest.*
Ellingson, Arin M ..................*Disclosed no conflict of interest.*
Elliott, Dawn .......................*Disclosed no conflict of interest.*
Elliott, Melanie ....................*Disclosed no conflict of interest.*
Ellis, Scott ..........................3B: Paragon 28, Wright medical; 8: FAO; 9: AOFAS.
Ellis, Scott ..........................3B: Paragon 28, Wright Medical Technology Inc; 8: Foot and Ankle Orthopaedics; 9: American Orthopaedic Foot and Ankle Society.
Elmasry, Shady .....................*Disclosed no conflict of interest.*
El-Sheikh Ali, Hosam ..............*Disclosed no conflict of interest.*
El-Sheikh, Ali H ....................*Disclosed no conflict of interest.*
Elutilo-Ayoola, Temitope ..........*Disclosed no conflict of interest.*
Emami, Alireza ......................*Disclosed no conflict of interest.*
Emami, Koroush Disclosed no conflict of interest.

Emanu, Kaj Disclosed no conflict of interest.

Emmanuel, Eghan-Acquah Disclosed no conflict of interest.

Enami, Hideaki Disclosed no conflict of interest.

Endo, Kaori Disclosed no conflict of interest.

Endo, Takeshi Disclosed no conflict of interest.


Engiles, Julie Disclosed no conflict of interest.

Engiles, Julie B Disclosed no conflict of interest.

Englander, Zoë A Disclosed no conflict of interest.

Engler, Adam J Disclosed no conflict of interest.

Englies, Julie B Disclosed no conflict of interest.

English, Brett Disclosed no conflict of interest.

Enomoto-Iwamoto, Motomi 8: editorial board member for American Journal of Pathology.

Epure, Laura Disclosed no conflict of interest.

Erdogan, Ebru Disclosed no conflict of interest.

Erhart-Hledik, Jennifer 4: SomaTX Design, Inc.

Erhart-Hledik, Jennifer C 4: SomaTx.

Erhart-Hledik, Jennifer C 4: SomaTX Design, Inc.

Erickson, Isaac 3A: DiscGenics; 4: DiscGenics.

Eriten, Melih Disclosed no conflict of interest.

Erno, Daniel Disclosed no conflict of interest.

Ernst, Sara Disclosed no conflict of interest.

Erwin, Daniel Disclosed no conflict of interest.

Escott, Benjamin Disclosed no conflict of interest.

Eskelinen, Atte Disclosed no conflict of interest.

Eskelinen, Atte S Disclosed no conflict of interest.

Esper, Garrett Disclosed no conflict of interest.

Espinoza Orias, Alejandro A Disclosed no conflict of interest.
Espinoza Orias, Alejandro A.披露没有利益冲突。

Esposito, Alessandra披露没有利益冲突。

Esposito, John披露没有利益冲突。

Estroff, Lara A.披露没有利益冲突。

Etchels, Lee W.披露没有利益冲突。6: DePuy Synthes.

Etienne, Massardier披露没有利益冲突。

Etzel, Christine披露没有利益冲突。

Evanoff, Bradley A.披露没有利益冲突。

Evans, Chris披露没有利益冲突。

Evans, Chris H.披露没有利益冲突。

Evans, Christopher H.披露没有利益冲突。

Evans, Mary Kate披露没有利益冲突。

Everitt, Leah A.披露没有利益冲突。

Evseenko, Denis披露没有利益冲突。4: Carthronix Inc.

Evuarherhe, Aghogho披露没有利益冲突。

Ewing, April披露没有利益冲突。

Eyre, David披露没有利益冲突。

Eyre, David R.披露没有利益冲突。

Ezuma, Chimere O.披露没有利益冲突。

Ezura, Yoichi披露没有利益冲突。

Ezzat, Bishoy披露没有利益冲突。

Faber, Kenneth J.披露没有利益冲突。3B: Exactech.

Faber, Kenneth J.披露没有利益冲突。1: Exactech Inc.; 3B: Exactech Inc.

Fagotti, Lorenzo披露没有利益冲突。

Faizan, Ahmad披露没有利益冲突。3A: Stryker; 4: Stryker.

Fajardo, Jesse披露没有利益冲突。

Falck, Alyssa披露没有利益冲突。

Falcentin-Daudré, Céline披露没有利益冲突。

Falgout, David披露没有利益冲突。
Falowski, Steven: Thermaquil, SPR Therapeutics, Saluda, Foundation Fusion Solutions, LLC, dba CornerLoc; 7A: Thermaquil, SPR Therapeutics, Saluda, Foundation Fusion Solutions, LLC, dba CornerLoc.

Fan, Hongming: Disclosed no conflict of interest.
Fan, Mingyue: Disclosed no conflict of interest.
Fan, Wen: 3A: Exactech, Inc.
Fan, Wen: 3A: Exactech Inc.
Fan, Yingfang: Disclosed no conflict of interest.
Fancell, Eduardo Alberto: Disclosed no conflict of interest.
Fancher, Andrew: Disclosed no conflict of interest.
Fancher, Drew J: Disclosed no conflict of interest.
Fang, Elisa C: Disclosed no conflict of interest.
Fang, Elisa C: Disclosed no conflict of interest.
Fang, Fei: Disclosed no conflict of interest.
Fano, Adam: Disclosed no conflict of interest.
Farah, Hassan-Galaydh: Disclosed no conflict of interest.
Farhang, Niloofar: 3A: DiscGenics; 4: DiscGenics.
Farjardo, Roberto J: Disclosed no conflict of interest.
Farnsworth, Christine: Disclosed no conflict of interest.
Farrow, Emily: Disclosed no conflict of interest.
Farrow, Lutul: Disclosed no conflict of interest.
Farrow, Lutul D: Disclosed no conflict of interest.
Faschingbauer, Martin: Disclosed no conflict of interest.
Fava, Enrico: Disclosed no conflict of interest.
Favre, Philippe: 3A: Zimmer Biomet, Winterthur, Switzerland; 4: Zimmer Biomet, Winterthur, Switzerland.
Favre, Philippe: 3A: 4.
Fay, Brian: 3A: Stryker.
Fayed, Aly M: Disclosed no conflict of interest.
Fearing, Bailey V: Disclosed no conflict of interest.
Feeley, Brian: Disclosed no conflict of interest.
Feeley, Brian T ..........................4: Bioniks, LLC; 5: NIH, Orthofix; 6: Kaliber.ai; 8: JSES, CRSM, ORS, ASES.

Feeley, Brian T. .......................Disclosed no conflict of interest.

Feizi, Sayeh ..........................Disclosed no conflict of interest.

Felgner, Camden .......................Disclosed no conflict of interest.

Felix, Jeffrey T ..........................Disclosed no conflict of interest.

Felix-Ilemhenbhio, Favour ..........Disclosed no conflict of interest.

Feller, John ..........................Disclosed no conflict of interest.

Femino, Elise L .......................Disclosed no conflict of interest.

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

Feng, Jian Q ..........................Disclosed no conflict of interest.

Feng, Meng ..........................Disclosed no conflict of interest.

Fenstad, Anne Marie ...............Disclosed no conflict of interest.

Ferguson, Daniel .....................Disclosed no conflict of interest.

Ferguson, Katie ......................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.

Fernandes, Daniel Araujo ..........Disclosed no conflict of interest.

Fernandes, Russell ..................Disclosed no conflict of interest.

Fernandes, Wellington G ..........Disclosed no conflict of interest.

Fernando, Navin .....................Disclosed no conflict of interest.

Ferreira, Joana R .....................Disclosed no conflict of interest.

Ferreira, Louis .......................Disclosed no conflict of interest.

Ferreira, Miguel ......................Disclosed no conflict of interest.

Ferreri, Emily D ......................Disclosed no conflict of interest.

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

Ferris, Lauren A .....................3A: DePuy Synthes; 4: DePuy Synthes.

Festen-Schrier, Verena J.M.M....Disclosed no conflict of interest.

Fey, Nicholas .........................Disclosed no conflict of interest.
Fey, Nicholas P

Fice, Michael P

Fields, Aaron J

Fields, Aaron J

Figgee, Mark

Findeisen, Lisa

Findlay, David M

Fineberg, Marc

Finkielsztein, Sergio

Finnilä, Mikko A. J

Fiorentino, Alyson

Fiorentino, Alyson M

Fisch, Kathleen M

Fischenich, Kristine

Fischer, Alfons

Fischer, Allison

Fisher, Leah

Fisher, Matthew B

Fitz, David Woelfel

Fitzgerald, Jamie

Fitzgerald, Keith

Fitzpatrick, Clare K

Fitzpatrick, James AJ

Flaman, Lisa

Flanigan, David

Flannery, Brennan

Flannery, Sean W

Fleming, Braden C


Fletcher, Amanda N .......................... Disclosed no conflict of interest.

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

Flierl, Michael .......................... 3B: Zimmer; 5: Stryker, Zimmer.

Florea, Cristina .......................... Disclosed no conflict of interest.

Florencio-Silva, Rinaldo .......................... Disclosed no conflict of interest.

Flores, Vianey .......................... 3A: Orthopedic Analysis LLC.

Fluit, René .......................... Disclosed no conflict of interest.


Flynn, Candace .......................... Disclosed no conflict of interest.

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

Flynn, Michael J .......................... Disclosed no conflict of interest.

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

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


Foltz, Mary H .......................... Disclosed no conflict of interest.

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

Fontana, Mark A .......................... Disclosed no conflict of interest.

Foody, Jacqueline N .......................... Disclosed no conflict of interest.

Foolen, Jasper .......................... Disclosed no conflict of interest.

Forbes, Shaun .......................... Disclosed no conflict of interest.

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

Forrester, Lynn Ann .......................... Disclosed no conflict of interest.

Forsberg, Flemming .......................... 3B: Samumed; 5: Bracco, Canon Medical Systems, GE Healthcare, Lantheus Medical Imaging, Siemens Healthineers; 8: J Ultrasound Med, Ultrason Imaging.


Forsberg, Jonathan .......................... 3B: Solsidan Group; 5: Zimmer-Biomet Inc.
Forsberg, Jonathan A .......................... Disclosed no conflict of interest.
Fort, Brian P .................................. Disclosed no conflict of interest.
Fortes, Claudia ................................. Disclosed no conflict of interest.
Fortier, Lisa ................................. 8: Associate editor to the journal Cartilage.
Fortier, Lisa A ............................. 8: Associate Editor for the journal Cartilage.
Fortier, Lisa A ............................. 8: Cartilage.
Fortier, Lisa A ............................. 5: In2Bones, Memphis, TN.
Fortier, Lisa A ............................. 8: Associate Editor of "Cartilage".
Fortier, Lisa A ............................. 8B: Cartilage.
Foster, Brent .................................. Disclosed no conflict of interest.
Foster, Timothy .............................. Disclosed no conflict of interest.
Foucher, Kharma ......................... 8: JOR Editorial Review Board; 9: ORS Diversity, Equity, and Inclusion Chair.
Foucher, Kharma ......................... 8: JOR Editorial Review Board; 9: ORS Diversity, Equity, and Inclusion Committee Chair.
Fowler, Jason W ......................... Disclosed no conflict of interest.
Fowler, John R .............................. Disclosed no conflict of interest.
Fox, Edward ............................... Disclosed no conflict of interest.
Fragomen, Austin T ....................... Disclosed no conflict of interest.
Fraley, J Gabriel .......................... 4: DRH and JHNY own stock in Tesio Pharmaceuticals; 8: DRH is on the editorial review board for: Journal of Orthopaedic Research, and BioMedCentral Musculoskeletal Disorders.
Fraley, Jeffery G ............................ Disclosed no conflict of interest.
Frame, Jeffrey .............................. Disclosed no conflict of interest.
Francis, Michael ......................... 3A: Embody Inc; 4: Embody Inc.
Francis-Pester, Fraser W ........... Disclosed no conflict of interest.
Frank, Eliot .................................. Disclosed no conflict of interest.
Frankel, Hannah ........................ 3A: Smith & Nephew; 4: Smith & Nephew.
Frankel, Hannah ........................ 3A: Smith & Nephew.
Frankewycz, Borys ........................ Disclosed no conflict of interest.
Frankston, Naomi ....................... Disclosed no conflict of interest.
Fraychineaud, Thomas .................. Disclosed no conflict of interest.
Frazier, Erika .......................Disclosed no conflict of interest.
Freccero, David M ...............Disclosed no conflict of interest.
Fred, Elianna .....................Disclosed no conflict of interest.
Frederick, Jeremy ...............Disclosed no conflict of interest.
Fredericks, Joseph A ...........3A: Stryker Spine.
Freedhand, Adam M .............2: Stryker, DJ Orthopaedics; 3B: Stryker; 4: OrthoSensor.
Freedman, Benjamin R ..........Disclosed no conflict of interest.
Freeman, Andrew .................Disclosed no conflict of interest.
Freemont, Anthony J ............Disclosed no conflict of interest.
French, Stephen J ...............Disclosed no conflict of interest.
Friedman, Brett ..................Disclosed no conflict of interest.
Friedman, Michael ..............Disclosed no conflict of interest.
Friedman, Michael A ...........Disclosed no conflict of interest.
Friedman, Richard ..............Disclosed no conflict of interest.
Friedrich, Alex ...................Disclosed no conflict of interest.
Frisbie, David ...................3B: Code 3B; 5: Code 5.
Frisbie, David D .................3B: Arthrex; 4: Advanced Regenerative Therapies.
Frisbie, David D ..................Disclosed no conflict of interest.
Fritsche, Madelaine ............Disclosed no conflict of interest.
Fritton, Susannah P .............Disclosed no conflict of interest.
Fritz, Bryan ......................3A: DePuy Synthes.
Froehlich, John A ................Disclosed no conflict of interest.
Fu, Freddie .......................8: AJSM, KSSTA; 9: ISAKOS.
Fu, Freddie H ....................8: AJSM; KSSTA; 9: ISAKOS.
Fu, Tsai-Sheng ....................Disclosed no conflict of interest.
Fu, Wenyu .........................Disclosed no conflict of interest.
Fucentese, Sandro F ............3B: Medacta; 9: SwissOrthopaedics.
Fujie, Hiromichi .................Disclosed no conflict of interest.
Fujii, Masanori ..................Disclosed no conflict of interest.
Fujii, Yuta .......................Disclosed no conflict of interest.
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<td>Gabel, Leigh</td>
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Gaddy, Dana ........................................Disclosed no conflict of interest.
Gadkari, Niranjan ..........................Disclosed no conflict of interest.
Gaffney, Brecca ...............................Disclosed no conflict of interest.
Gaffney, Brecca M.M ......................Disclosed no conflict of interest.
Gaffney, Brecca M.M. ......................Disclosed no conflict of interest.
Gagnier, Joel J. ...............................Disclosed no conflict of interest.
Gaj, Sibaji ........................................Disclosed no conflict of interest.
Galagan, Robert .........................Disclosed no conflict of interest.
Galatz, Leesa ..................................3B: Medacta.
Galbraith, Kristyn .........................Disclosed no conflict of interest.
Galbreath, Ian .................................Disclosed no conflict of interest.
Gale, Tom ......................................Disclosed no conflict of interest.
Galessio, Devis ...............................3A: Fidia Farmaceutici.
Gallagher, Maurice P .......................Disclosed no conflict of interest.
Gallate, Zachary S .........................Disclosed no conflict of interest.
Gallo, Matthew C ..........................Disclosed no conflict of interest.
Galloway, Chad A .........................Disclosed no conflict of interest.
Galloway, Joseph ............................Disclosed no conflict of interest.
Gamada, Kazuyoshi .......................4: Kazuyoshi Gamada is the CEO of GLAB Corporation.
Gammell, Jonathan D .......................Disclosed no conflict of interest.
Gan, Yudong .................................Disclosed no conflict of interest.
Gandhi, Sachin ...............................Disclosed no conflict of interest.
Gang, Du .......................................Disclosed no conflict of interest.
Gangi, Lianna R. ............................Disclosed no conflict of interest.
Gangishetti, Umesh .......................Disclosed no conflict of interest.
Ganio, Edward A .........................Disclosed no conflict of interest.
Ganji, Elahe .................................Disclosed no conflict of interest.
Gannon, Steven .............................Disclosed no conflict of interest.
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Gansau, Jennifer .........................Disclosed no conflict of interest.
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Gatti, Vittorio .........................Disclosed no conflict of interest.

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Geiger, Erik J .........................Disclosed no conflict of interest.

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Gholipour, Ali……………………Disclosed no conflict of interest.
Ghosh, Rajdeep…………………Disclosed no conflict of interest.
Ghouse, Shaaz…………………Disclosed no conflict of interest.
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Giles, Joshua W……………Disclosed no conflict of interest.
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Gillies, Austin P……………Disclosed no conflict of interest.
Gillinov, Stephen M …………Disclosed no conflict of interest.
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Giza, Shelby ...................... Disclosed no conflict of interest.
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Gläser, Juliane ................... Disclosed no conflict of interest.
Gläser, Juliane D ................... Disclosed no conflict of interest.
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Gonzales, David .....................Disclosed no conflict of interest.

Gonzales, David A ...................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.
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Goulet, Robert W     Disclosed no conflict of interest.
Goulet, Robert W.     Disclosed no conflict of interest.
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Gray, Ryan S ............................................. Disclosed no conflict of interest.
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Greig, Danielle ...................... Disclosed no conflict of interest.
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Gresham, Robert ...................... Disclosed no conflict of interest.
Griffin, Katherine H .................. Disclosed no conflict of interest.
Griffin, Timothy M .................... Disclosed no conflict of interest.
Griffith, Jacob ........................ Disclosed no conflict of interest.
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Groisser, Benjamin ................... Disclosed no conflict of interest.
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Guang, Young .......................... Disclosed no conflict of interest.
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Gudmundsson, Paul A ............Disclosed no conflict of interest.
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Guerra, Rodrigo B ..........Disclosed no conflict of interest.
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Gui, Tao .......................Disclosed no conflict of interest.
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Guilak, Farshid .............3A: Cytex, Inc.; 4: Cytex, Inc.
Guilak, Farshid ............3A: Cytex Therapeutics; 4: Cytex Therapeutics.
Guilak, Farshid ............3A: Cytex; 4: Cytex.
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Gunsch, Gilian ..............Disclosed no conflict of interest.
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Guo, Runsheng ..............Disclosed no conflict of interest.
Guo, Weihua .................Disclosed no conflict of interest.
Guo, Wendi ...................Disclosed no conflict of interest.
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Guo, Xiaodong ..............Disclosed no conflict of interest.
Guo, Xiaohan .................Disclosed no conflict of interest.
Guo, Xiaojie ..................Disclosed no conflict of interest.
Gupta, Munish C ....................... Disclosed no conflict of interest.
Gupta, Sachin ......................... Disclosed no conflict of interest.
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Haglund, Lisbet ....................... Disclosed no conflict of interest.
Haider, Mohammad N ..........................Disclosed no conflict of interest.
Haishima, Yuji ..............................Disclosed no conflict of interest.
Haji Masr, Halimatul ..........................Disclosed no conflict of interest.
Hakimiyan, Arnavaz .........................Disclosed no conflict of interest.
Hakimiyan, Arnavaz A ......................Disclosed no conflict of interest.
Hakukawa, Satoshi ..........................Disclosed no conflict of interest.
Hakun, Maxwell ..............................Disclosed no conflict of interest.
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Hamada, Hidetoshi .........................Disclosed no conflict of interest.
Hamada, Takahiro ..........................Disclosed no conflict of interest.
Hamai, Satoshi .............................Disclosed no conflict of interest.
Hambright, Sealy ...........................Disclosed no conflict of interest.
Hambright, William S .....................Disclosed no conflict of interest.
Hamer, Andrew J ..........................Disclosed no conflict of interest.
Hamilton, John L ...........................Disclosed no conflict of interest.
Hamilton, Landon D .......................Disclosed no conflict of interest.
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 disclosed no conflict of interest.

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 disclosed no conflict of interest.

Han, Hyuk Soo  
 disclosed no conflict of interest.

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 disclosed no conflict of interest.

Han, Jian  
 disclosed no conflict of interest.

Han, Lin  
 disclosed no conflict of interest.

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Han, Yan  
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Hanada, Shuji  
 disclosed no conflict of interest.

Hanamatsu, Hisatoshi  
 disclosed no conflict of interest.

Hanaoka, Chad  
 disclosed no conflict of interest.

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Hancock, Christopher  
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Harada, Satoru Disclosed no conflict of interest.
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Harasymowicz, Natalia Disclosed no conflict of interest.
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Harley, Joel B Disclosed no conflict of interest.
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Harris, Mike D .................Disclosed no conflict of interest.

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

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Hart, Christopher M. ..........Disclosed no conflict of interest.

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Harty, James A .................2: DePuy Synthes; 4: OrthoXel DAC; 5: OrthoXel DAC; 6: OrthoXel DAC.

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

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Hasegawa, Masahiro ..........Disclosed no conflict of interest.

Hashimoto, Shingo ............Disclosed no conflict of interest.

Hashimoto, Takeshi ..........Disclosed no conflict of interest.

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Hassan, Chaudhry R ............Disclosed no conflict of interest.

Hasson, Maddie ...............Disclosed no conflict of interest.

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Haudenschild, Dominik R ...4: Tesio Pharmaceuticals.
Haugan, Delaney ...........Disclosed no conflict of interest.
Haunschild, Eric ..........Disclosed no conflict of interest.
Hausselle, Jerome .........Disclosed no conflict of interest.
Havasy, Janice .............Disclosed no conflict of interest.
Havey, Robert .............Disclosed no conflict of interest.
Havlioglu, Necat ..........Disclosed no conflict of interest.
Hawk, Greg S ...............Disclosed no conflict of interest.
Hawk, Gregory S. ..........Disclosed no conflict of interest.
Hawse, Gresin .............Disclosed no conflict of interest.
Hawse, Gresin P ..........Disclosed no conflict of interest.
Hayashi, Shinya ..........Disclosed no conflict of interest.
Hayashi, Takuo ..........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, Holly ...........Disclosed no conflict of interest.
Haynes, Sara .............Disclosed no conflict of interest.
Hays, Thomas R ..........Disclosed no conflict of interest.
He, Chunrong .............Disclosed no conflict of interest.
He, Jade ..................Disclosed no conflict of interest.
He, Jianghua ..............Disclosed no conflict of interest.
He, Jinshen ...............Disclosed no conflict of interest.
He, Rui ..................Disclosed no conflict of interest.
He, Wenjun .................................. disclosed no conflict of interest.
He, Yuchen .................................. disclosed no conflict of interest.
Healy, Kevin .................................. disclosed no conflict of interest.
Heaton, Will .................................. 3A: DiscGenics; 4: DiscGenics.
Heckelman, Lauren N ....................... disclosed no conflict of interest.
Heckmann, Nathanael ....................... 3B: Intellijoint Surgical, MicroPort Orthopedics; 9: AAOS.
Heckmann, Nathanael D .................... disclosed no conflict of interest.
Heckmann, Terry ............................ disclosed no conflict of interest.
Hedberg, Riley .............................. disclosed no conflict of interest.
Heer, Martina ............................... disclosed no conflict of interest.
Heffran, Samantha A ...................... disclosed no conflict of interest.
Hegarty, John ............................... disclosed no conflict of interest.
Heil, Todd .................................. 3A: Theradaptive, Inc.
Heldreth, Mark A ............................ 3A: DePuy Synthes; 4: DePuy Synthes.
Heldreth, Mark A. ........................... 3A: DePuy Synthes; 4: DePuy Synthes.
Hélène, Follet ............................... disclosed no conflict of interest.
Helgason, Benedikt ........................ disclosed no conflict of interest.
Hellwinkel, Justin E ........................ disclosed no conflict of interest.
Helwig, Nathaniel E ......................... disclosed no conflict of interest.
Hempen, Eric C ............................... 5: Zimmer, Inc. provided the hardware.
Henak, Corinne R ........................... disclosed no conflict of interest.
Henderson, Cortney ........................ disclosed no conflict of interest.
Henne, Michael ............................. disclosed no conflict of interest.
Henning, Emilie N .......................... disclosed no conflict of interest.
Henninger, Heath ........................... disclosed no conflict of interest.
Henry, Aaron ............................... disclosed no conflict of interest.
Henry, Jensen K ............................ disclosed no conflict of interest.
Henry, Jensen K. ........................... disclosed no conflict of interest.
Henry, Marquessa .......................... disclosed no conflict of interest.
Heo, Su-Jin ..........................Disclosed no conflict of interest.

Hepfer, R. Glenn ......................Disclosed no conflict of interest.

Herda, Ashley ..........................Disclosed no conflict of interest.

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

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

Hernandez, Paula ......................Disclosed no conflict of interest.

Herndon, Carl .........................9: AAOS.

Herrick, Jim L. .........................Disclosed no conflict of interest.

Herrmann, Marietta ..................Disclosed no conflict of interest.

Hertzler, Justin S .....................3A: Zimmer Biomet; 4: Zimmer Biomet.

Herzog, Mackenzie D ...............3A: serve as consultant and PI for studies conducted by orthopedic device manufactures, paid for indirectly to their full-time employer IQVIA.

Herzog, Walter ........................Disclosed no conflict of interest.

Hess, Madeline .......................Disclosed no conflict of interest.

Hettinghouse, Aubryanna ..........Disclosed no conflict of interest.

Hetzel, Scott J ........................Disclosed no conflict of interest.

Hetzel, Scott J. .......................Disclosed no conflict of interest.

Heuberger, Peter .....................3A: Nobel Biocare Services AG.

Heveran, Chelsea ....................Disclosed no conflict of interest.

Heveran, Chelsea M ..................Disclosed no conflict of interest.

Heveran, Chelsea M. ................Disclosed no conflict of interest.

Hewett, Timothy E ...................Disclosed no conflict of interest.

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

Hibbard, Julia N ......................Disclosed no conflict of interest.

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

Hickok, Noreen J ......................5: Iriscept.

Hidalgo-García, César ...............Disclosed no conflict of interest.

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

Hieronymus, Brooke ................Disclosed no conflict of interest.

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

Higashihira, Shota

Higgins, Cassidy

Higgins, Thomas

Highsmith, Angelica

Higinbotham, Sean

Higinbotham, Sean E

Higuera, Carlos

Higuita-Castro, Natalia

Hikida, Minami

Hill, Cherice N

Hill, Ryan

Hillen, Travis J

Hilliard, Genevieve

Hillstrom, Howard J

Hillstrom, Howard J.

Hillstrom, Rajshree

Hillyard, Clay

Him Lim, Boon

Hines, Madeline R

Hinkle, Andrew

Hino, Jun

Hiraiwa, Hideki

Hiranaka, Takaomu

Hiroaki, Wada

Hirose, Kazuki

Hiroshima, Yuji

Hirota, Kento

Hirvasniemi, Jukka

Hishimura, Ryosuke
Hishimura, Ryousuke ........................Disclosed no conflict of interest.
Hislop, Brady................................Disclosed no conflict of interest.
Hittel, Dustin.................................Disclosed no conflict of interest.
Hmeidan, Wassim..............................Disclosed no conflict of interest.
Ho, Brendan....................................Disclosed no conflict of interest.
Ho, Charles P .................................3B: Rotation Medical; 5: Research supported by Steadman Philippon Research Institute grant funding or in-kind donations from Arthrex, DJO, MLB, Ossur, Siemens, Canon, Smith & Nephew, XTRE & DoD, NIH grants.
Ho, Mei-Ling ..................................Disclosed no conflict of interest.
Ho, Michael.....................................Disclosed no conflict of interest.
Ho, Nathan C.................................Disclosed no conflict of interest.
Ho, Ritchie .....................................Disclosed no conflict of interest.
Hobson, Eric .................................Disclosed no conflict of interest.
Hodges, Nathan ...............................Disclosed no conflict of interest.
Hodgkinson, Tom .............................Disclosed no conflict of interest.
Hoefler, Anna K ..............................Disclosed no conflict of interest.
Hoefler, Anna K ..............................Disclosed no conflict of interest.
Hoekzema, Nathan ............................Disclosed no conflict of interest.
Hoel, Cathleen ...............................Disclosed no conflict of interest.
Hoemann, Caroline D .......................3C: Ortho RTi; 4: Ortho RTi; 8: Cartilage; Open OA&C.
Hoey, David .................................Disclosed no conflict of interest.
Hoff, Paula .................................Disclosed no conflict of interest.
Hoffman, Eric ...............................Disclosed no conflict of interest.
Hoffman, Isaac ...............................Disclosed no conflict of interest.
Hoffman, Jeffrey .............................Disclosed no conflict of interest.
Hoffman, Jeffrey William ..................Disclosed no conflict of interest.
Hoffmann, Ilona .............................3A: Teijin Nakashima Medical Co., Ltd.
Hogan, MaCalus .............................Disclosed no conflict of interest.
Hogan, MaCalus V ...........................Disclosed no conflict of interest.
Hoggard, Nigel ..............................Disclosed no conflict of interest.
Hohl, Katherine M .........................Disclosed no conflict of interest.
Hoke, Ahmet

Holcomb, Amy E

Holdreith, Nicholas

Holguin, Nilsson

Holguin, Nilsson

Holland, Christopher Thomas

Holloway, Matthew

Holmboe, Michael

Holst, Brianna

Holt, Abigail G

Holguin, Nilsson

Holland, Christopher Thomas

Holloway, Matthew

Holmboe, Michael

Holst, Brianna

Holt, Abigail G

Homon, Kentaro

Honda, Hideki

Hong, Jae Taek

Hontani, Kazutoshi

Hoppe, Sven

Hoppock, Gabriel

Hoppock, Gabriel A

Hopster, Klaus

Hopwood, James D

Hoque Apu, Ehsanul

Hordacre, Brenton

Horiuchi, Keisuke

Horn, Andrew

Horng, Jonathan Chang

Hornung, Alexander L

Horton, Jason

Horton, Jason A

Horton, William

Hoshi, Kenji

Disclosed no conflict of interest.

Disclosed no conflict of interest.

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Disclosed no conflict of interest.

Disclosed no conflict of interest.
Hoshino, Takashi .......... Disclosed no conflict of interest.
Hoshino, Yuichi .......... Disclosed no conflict of interest.
Hosokawa, Yoshiaki ........ Disclosed no conflict of interest.
Hossain, Nabid Aunjum ...... Disclosed no conflict of interest.
Hosseini Nasab, Seyyed Hamed ........ Disclosed no conflict of interest.
Hosseini, Zahra .......... Disclosed no conflict of interest.
Hosseinzadeh, Shayan .......... Disclosed no conflict of interest.
Hotaling, Jessica A .......... Disclosed no conflict of interest.
Housman, Genevieve .......... Disclosed no conflict of interest.
Howe, Danielle .......... Disclosed no conflict of interest.
Howe, Tet Sen .......... Disclosed no conflict of interest.
Howell, MD, Stephen M ........ 3B: Medacta Inc, Zimmer Biomet Inc.
Howell, Stephen M .......... 3B: Medacta; 7A: Medacta.
Howell, Stephen M .......... 3B: Medacta; 7A: Medacta.
Hoyland, Judith A .......... Disclosed no conflict of interest.
Hozack, William .......... 3B: Stryker.
Hrekso, M. Timothy .......... Disclosed no conflict of interest.
Hsu, Ching-Yun .......... Disclosed no conflict of interest.
Hsu, Erin L ............. Disclosed no conflict of interest.
Hsu, Erin L ............. Disclosed no conflict of interest.
Hsu, Ginny Ching-Yun .......... Disclosed no conflict of interest.
Hsu, Po-Cheng .......... Disclosed no conflict of interest.
Hsu, Wellington K ........ 3B: Medtronic; 9: LSRS, NASS, AAOS, CSRS.
Hsu, Wellington K .......... 3B: Medtronic; 9: AAOS, LSRS, NASS, CSRS.
Hu, Diane .........................Disclosed no conflict of interest.
Hu, Dorothy ..........................Disclosed no conflict of interest.
Hu, Liangjun ..........................Disclosed no conflict of interest.
Hu, Nan .................................Disclosed no conflict of interest.
Hu, Xiaoling ..........................Disclosed no conflict of interest.
Hu, Yizhong ............................Disclosed no conflict of interest.
Hu, Yizhong Jenny .....................Disclosed no conflict of interest.
Huang, Alice .........................Disclosed no conflict of interest.
Huang, Alice H .........................Disclosed no conflict of interest.
Huang, Bert ............................Disclosed no conflict of interest.
Huang, Chun-Hao ......................Disclosed no conflict of interest.
Huang, Chun-Yuh ......................Disclosed no conflict of interest.
Huang, Ejun .............................Disclosed no conflict of interest.
Huang, Elijah ...........................Disclosed no conflict of interest.
Huang, Elijah Ejun .....................Disclosed no conflict of interest.
Huang, Hanqing .......................Disclosed no conflict of interest.
Huang, Jiahui ..........................Disclosed no conflict of interest.
Huang, Lingwei .........................Disclosed no conflict of interest.
Huang, Shuting .........................Disclosed no conflict of interest.
Huang, Tony Chieh-Ting ...........Disclosed no conflict of interest.
Huang, Tung-Fu .........................Disclosed no conflict of interest.
Huang, Yi-Chao .........................Disclosed no conflict of interest.
Huang, Yichen ..........................Disclosed no conflict of interest.
Huang, Yufei ...........................Disclosed no conflict of interest.
Huang, Yuming .........................Disclosed no conflict of interest.
Huang, ZeYu ..........................3B: DePuy Synthes.
Huang, Zhiyu .........................Disclosed no conflict of interest.
Huard, Charles .......................Disclosed no conflict of interest.

Huard, Johnny ........................................I: Cook Myosite; 9: Orthopaedic Research Society.

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

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

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

Huber, Christian ........................................Disclosed no conflict of interest.

Hubley-Kozey, Cheryl L ........................Disclosed no conflict of interest.

Huddleston, Hailey .................Disclosed no conflict of interest.

Huddleston, Hailey P......................Disclosed no conflict of interest.

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

Hudson, David M ......................Disclosed no conflict of interest.

Hudson, David M. ......................Disclosed no conflict of interest.

Huegel, Julianne ........................................Disclosed no conflict of interest.

Hugard, Shannon ..................Disclosed no conflict of interest.

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

Hughes, Alexander P .....................Disclosed no conflict of interest.

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

Hughes, Jessica ..................Disclosed no conflict of interest.

Hughes, Jonathan ..................Disclosed no conflict of interest.

Huish, Eric G ..................Disclosed no conflict of interest.

Huk, Olga ..............................Disclosed no conflict of interest.

Hull, Maury ..................5: Medacta; 8: Journal of Biomechanics.

Hull, Maury ..................5: Medacta International; 7B: Journal of Biomechanics.

Hull, Maury L ..............................5: Medacta.

Hull, Maury L ..................6: Medacta, Inc.; 8: Journal of Biomechanics.

Hull, Peyton ..................Disclosed no conflict of interest.

Hull, PhD, Maury L ..................5: Medacta Inc; 8: Journal of Biomechanics.

Hum, Nicholas R ..................Disclosed no conflict of interest.

Hume, Donald R ..................Disclosed no conflict of interest.
Humphries, Kenneth M. ....... Disclosed no conflict of interest.
Hung, Alec Lik-Hang .......... Disclosed no conflict of interest.
Hung, Clark T. ................. Disclosed no conflict of interest.
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Hunt, Heather .................. Disclosed no conflict of interest.
Hunt, Nic L ...................... Disclosed no conflict of interest.
Hunter, James ................. Disclosed no conflict of interest.
Hunter, William ............... 3A: Canary Medical; 3B: Adherium, Correvio Pharmaceuticals, Rex Medical, SoundBite Medical; 4: Canary Medical, Adherium, Correvio Pharmaceuticals, Rex Medical, SoundBite Medical, Summatix.
Hunter, William ............... 3A: Canary Medical; 3B: Adherium, Correvio Pharmaceuticals, Rex Medical, SoundBite Medical, Summatix; 4: Canary Medical, Adherium, Correvio Pharmaceuticals, Rex Medical, SoundBite Medical, Summatix.
Hur, Jung-Woo .................. Disclosed no conflict of interest.
Hurchalla, Georgia ............. 3A: MicroPort Orthopedics.
Hurst, Lawrence C .............. 1: Endo Pharmaceuticals, Biospecifics Technology Corp.; 3B: Endo Pharmaceuticals, Biospecifics Technology Corp.
Hurtig, Mark .................... Disclosed no conflict of interest.
Hurtig, Mark B .................. 3B: Ortho Regenerative Technologies Inc, Boehringer, Epibone; 4: Ortho Regenerative Technologies Inc; 5: Ortho Regenerative Technologies Inc.
Husmann, Niklas ............... Disclosed no conflict of interest.
Hussein, Nazar .................. Disclosed no conflict of interest.
Hussien, Amro A ............... Disclosed no conflict of interest.
Hussien, Amro A. .............. Disclosed no conflict of interest.
Hussien, Amro Ahmed ........... Disclosed no conflict of interest.
Hutson, Irina .................... Disclosed no conflict of interest.
Hwang, Charles ................ Disclosed no conflict of interest.
Hwang, Eunjoo ................... Disclosed no conflict of interest.
Hwang, In Won .................. Disclosed no conflict of interest.
Hwang, Inwon ................... Disclosed no conflict of interest.
Hwang, Mintai ................. Disclosed no conflict of interest.
Hyodo, Yuki ..................... Disclosed no conflict of interest.
Hyonmin, Choe ..........................Disclosed no conflict of interest.
Iatridis, James ..........................Disclosed no conflict of interest.
Iatridis, James C ..........................Disclosed no conflict of interest.
Iatridis, James C ..........................Disclosed no conflict of interest.
Idota, Masaru ..........................Disclosed no conflict of interest.
Igarashi, Yoichi ..........................Disclosed no conflict of interest.
Ignatius, Anita ..........................Disclosed no conflict of interest.
Igram, Cassim M ..........................Disclosed no conflict of interest.
Ii, Satoki ..........................Disclosed no conflict of interest.
Iino, Takahiro ..........................Disclosed no conflict of interest.
Iizawa, Norishige ..........................Disclosed no conflict of interest.
Ijomanta, Chiemezue N ..........................Disclosed no conflict of interest.
Ike, Hiroyuki ..........................Disclosed no conflict of interest.
Ikebe, Satoru ..........................Disclosed no conflict of interest.
Ikemura, Satoshi ..........................Disclosed no conflict of interest.
Ikeuchi, Masahiko ..........................S: Eli Lilly Japan K.K.
Ikuta, Kenmei ..........................Disclosed no conflict of interest.
Ikuta, Kunihiro ..........................Disclosed no conflict of interest.
Illien-Junger, Svenja ..........................Disclosed no conflict of interest.
Imagama, Shiro ..........................Disclosed no conflict of interest.
Imagama, Shirou ..........................Disclosed no conflict of interest.
Imamura, Ryuta ..........................Disclosed no conflict of interest.
Imanaka-Yoshida, Kyoko ..........................Disclosed no conflict of interest.
Imhauser, Carl ..........................Disclosed no conflict of interest.
Imhauser, Carl W ..........................Disclosed no conflict of interest.
Ina, Jason ..........................Disclosed no conflict of interest.
Inaba, Yutaka ..........................3A: Stryker Japan. K.K.
Inaba, Yutaka ..........................2: Stryer, smith & nephew, Zimmer Bimomet.
Inacio, Jordan ..........................Disclosed no conflict of interest.
Inamdar, Gaurav ..........................Disclosed no conflict of interest.
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<th>Name</th>
<th>Conflict of Interest</th>
<th>Institution</th>
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<td>Indelli, Pier F</td>
<td>3B: Exactech.</td>
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Ishii, Tomoo Disclosed no conflict of interest.
Ishikawa, Masakazu Disclosed no conflict of interest.
Ishizuka, Shinya Disclosed no conflict of interest.
Ismaily, Sabir Disclosed no conflict of interest.
Ismaily, Sabir K Disclosed no conflict of interest.
Isono, Masaaki Disclosed no conflict of interest.
Ita, Meagan Disclosed no conflict of interest.
Ita, Meagan E Disclosed no conflict of interest.
Ito, Hiroshi Disclosed no conflict of interest.
Ito, Juji Disclosed no conflict of interest.
Ito, Kentaro Disclosed no conflict of interest.
Ito, Naoaki Disclosed no conflict of interest.
Itoh, Masafumi Disclosed no conflict of interest.
Itoi, Eiji Disclosed no conflict of interest.
Itou, Junya Disclosed no conflict of interest.
Iuso, Anthony Disclosed no conflict of interest.
Ivashkiv, Lionel 3C: Eli Lilly.
Ivashkiv, Lionel B 3C: Eli Lilly and Company.
Ivashkiv, Lionel B 3C: Eli Lilly.
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Iwao, Yasushi Disclosed no conflict of interest.
Iwasa, Makoto Disclosed no conflict of interest.
Iwasaki, Hiroshi Disclosed no conflict of interest.
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Iwasaki, Koji This work was supported by [KAKEN-Grant-in-Aid for Young Scientists] under grant #18K16642.
Iwakaki, Koji Olympus Terumo Biomaterials Corp.
Iwasaki, Norimasa..........................Disclosed no conflict of interest.
Iyer, Abishek..............................Disclosed no conflict of interest.
Iyer, Hari ..................................Disclosed no conflict of interest.
Izumi, Masashi.............................Disclosed no conflict of interest.
Izumi, Soutarou............................Disclosed no conflict of interest.
Izumiya, Takuya............................Disclosed no conflict of interest.
Jaarsma, Ruurd L..........................Disclosed no conflict of interest.
Jackson, Alicia .................. Disclosed no conflict of interest.
Jackson, Alicia R .................. Disclosed no conflict of interest.
Jackson, Nicholas J .................. Disclosed no conflict of interest.
Jacobs, Cale .................. 3B: Flexion Therapeutics; 5: Flexion Therapeutics, Smith & Nephew.
Jacobs, Joshua J .................. 5: Zimmer Biomet.
Jacobsen, Timothy .................. Disclosed no conflict of interest.
Jacobsen, Timothy R ............... Disclosed no conflict of interest.
Jacobson, Daniel .................. Disclosed no conflict of interest.
Jacofsky, Marc .................. Disclosed no conflict of interest.
Jäger, Patrick .................. Disclosed no conflict of interest.
Jahandar, Amir .................. Disclosed no conflict of interest.
Jahandar, Hamidreza ............... Disclosed no conflict of interest.
Jahangir, Sana .................. Disclosed no conflict of interest.

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


Jaiswal, Anmol J K ............... Disclosed no conflict of interest.

Jakus, Adam ....................... 3A: Dimension Inx LLC; 4: Dimension Inx LLC.

Jalics, Alena ........................ Disclosed no conflict of interest.

Jalil, Abdalziz ........................ Disclosed no conflict of interest.

Jamali, Amir ........................ Disclosed no conflict of interest.

James, Aaron ........................ 3B: Scientific Advisory Board, Novadip Biosciences; 8: Editorial Board, Bone Research and American Journal of Pathology.

James, Aaron W ..................... 3B: Novadip Biosciences; 8: Editorial Board, Bone Research.

James, Aaron W ..................... 8: Bone Research, American Journal of Pathology; 9: Novadip Biosciences.

James, Aaron W ..................... 3B: Scientific Advisory Board, Novadip Biosciences; 9: Editorial Board, Bone Research, American Journal of Pathology.

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

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

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

Jang, Ji Eun Jang .................. Disclosed no conflict of interest.

Jang, Jin Ju ......................... Disclosed no conflict of interest.

Jang, SeonHo ................       Disclosed no conflict of interest.

Janssen, Dennis ........................ Disclosed no conflict of interest.

Jawaheri, Behzad ........................ Disclosed no conflict of interest.

Javidan, MD, Yashar ................. 3B: Alphatec, Stryker, Nuvasive, Medicrea.

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

Jayabalal, Prakash  .................. Disclosed no conflict of interest.

Jayasuriya, Chathuraka ............ Disclosed no conflict of interest.

Jayasuriya, Chathuraka T .......... Disclosed no conflict of interest.

Jayasuriya, Raveen L ............... Disclosed no conflict of interest.

Jayaswal, Daksh ........................ Disclosed no conflict of interest.

Je, Mable .......................... Disclosed no conflict of interest.
Jean Paul, Roux ...................... Disclosed no conflict of interest.


Jekir, Michael ...................... 3A: NuVasive.


Jennings, Jessica A ................. 5: Abbott Diabetes Care, Austin Medical Ventures; 6: USBiologics; 7B: Elsevier.

Jensen, Andrew ..................... 3A: Exactech Inc.

Jensen, Magnus ..................... Disclosed no conflict of interest.

Jeong, Hyeon Jang .................. Disclosed no conflict of interest.

Jeong, Kyu Sang ..................... Disclosed no conflict of interest.

Jeong, Seung Jo .................... Disclosed no conflict of interest.

Jeong, Soyeon ....................... Disclosed no conflict of interest.

Jeong, Yong-Hoon ................... Disclosed no conflict of interest.

Jepsen, Karl J ....................... Disclosed no conflict of interest.

Jerabek, Seth ....................... 3B: Stryker Corp; 4: Stryker Corp; 7A: Stryker Corp.

Jernigan, Ebony .................... Disclosed no conflict of interest.

Jernigan, Ebony A .................. Disclosed no conflict of interest.

Jessen, Christian ................... Disclosed no conflict of interest.

Jeyapalina, Sujee ................... Disclosed no conflict of interest.

Jia, Shaowei ......................... Disclosed no conflict of interest.

Jia, Zhenshan ....................... Disclosed no conflict of interest.

Jiang, Haochen ..................... Disclosed no conflict of interest.

Jiang, Jie .......................... Disclosed no conflict of interest.

Jiang, Kunqi ......................... Disclosed no conflict of interest.

Jiang, Min .......................... Disclosed no conflict of interest.

Jiang, Nan .......................... Disclosed no conflict of interest.

Jiang, Wensen ....................... Disclosed no conflict of interest.

Jiang, Xi ........................... Disclosed no conflict of interest.

Jiang, Xiaosong ..................... Disclosed no conflict of interest.

Jiang, Xiaqing ...................... Disclosed no conflict of interest.
Jiang, Ying......................Disclosed no conflict of interest.
Jin, Li................................Disclosed no conflict of interest.
Jin, Yan..........................Disclosed no conflict of interest.
Jin, Yonghui......................Disclosed no conflict of interest.
Jing, Dian ......................Disclosed no conflict of interest.
Jo, Changwung..................Disclosed no conflict of interest.
Jo, Stephanie Y................Disclosed no conflict of interest.
Jo, Woo Lam.....................Disclosed no conflict of interest.
Jo, Yongdeok.....................Disclosed no conflict of interest.
Joenathan, Anisha ............Disclosed no conflict of interest.
Joenathan, Anisha T...........Disclosed no conflict of interest.
Joenathan, Anisha T...........Disclosed no conflict of interest.
Joeng, Kyu Sang................Disclosed no conflict of interest.
Joeph, Panos ....................Disclosed no conflict of interest.
Johnson, Camille...............Disclosed no conflict of interest.
Johnson, Camille C............Disclosed no conflict of interest.
Johnson, Casey P..............Disclosed no conflict of interest.
Johnson, Evan P................Disclosed no conflict of interest.
Johnson, Gabriel T.............Disclosed no conflict of interest.
Johnson, Gillian...............Disclosed no conflict of interest.
Johnson, Karen................Disclosed no conflict of interest.
Johnson, Karen C................Disclosed no conflict of interest.
Johnson, Keir ..................Disclosed no conflict of interest.
Johnson, Maribeth.............Disclosed no conflict of interest.
Johnson, Samuel R...............Disclosed no conflict of interest.
Johnson, Sherry................Disclosed no conflict of interest.
Johnson, Valerie...............Disclosed no conflict of interest.
Johnston, Jeff..................Disclosed no conflict of interest.

Johnstone, Brian .......................... 7A: Osiris Therapeutics.

Johnstone, Brian .......................... 7B: Osiris Therapeutics, inc.; 8: European Cells and Materials.

Joiner, Akaysha .......................... Disclosed no conflict of interest.

Jonason, Jennifer H .......................... Disclosed no conflict of interest.

Jones, Alison .......................... 5: DePuy Synthes; 6: DePuy Synthes.


Jones, Brandon .......................... Disclosed no conflict of interest.

Jones, Brandon C .......................... Disclosed no conflict of interest.

Jones, Conor .......................... Disclosed no conflict of interest.

Jones, Deryk .......................... Disclosed no conflict of interest.

Jones, Hugh .......................... Disclosed no conflict of interest.

Jones, Kendra Wilson .......................... Disclosed no conflict of interest.

Jones, Kerywn .......................... Disclosed no conflict of interest.

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

Jones, Morgan .......................... Disclosed no conflict of interest.

Jones, Olivia L. .......................... Disclosed no conflict of interest.

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

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

Jopkiewicz, Anita .......................... Disclosed no conflict of interest.

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

Jordanides, Jack .......................... Disclosed no conflict of interest.

Jørgensen, Andrea René .......................... Disclosed no conflict of interest.

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

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

Joshua, Dines S .......................... 3B: Arthrex.

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

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

Julkunen, Petro .......................... Disclosed no conflict of interest.
Juncker, Ryan B. .................. *Disclosed no conflict of interest.*
June, Ronald K .................. *Disclosed no conflict of interest.*
Jung, Amaury .................... 3A: Blue Ortho.
Jung, Jae-Young .................. *Disclosed no conflict of interest.*
Junginger, Lucas .................. *Disclosed no conflict of interest.*
Junginger, Lucas M .................. *Disclosed no conflict of interest.*
Kabel, Jesper ..................... *Disclosed no conflict of interest.*
Kadaba, Murali .................... 3B: Ingenium Spine.
Kadakia, Rishin J. ................. *Disclosed no conflict of interest.*
Kadkoy, Yazan .................... *Disclosed no conflict of interest.*
Kadoya, Ken ....................... *Disclosed no conflict of interest.*
Kage, Craig C ..................... *Disclosed no conflict of interest.*
Kahlenberg, Cynthia .................. *Disclosed no conflict of interest.*
Kaihara, Kenta .................... *Disclosed no conflict of interest.*
Kaimaki, Domna-Maria .............. *Disclosed no conflict of interest.*
Kainth, Nimrath Narayan Singh ..... *Disclosed no conflict of interest.*
Kaiser, Jarred ...................... *Disclosed no conflict of interest.*
Kaiser, Joshua T ................... *Disclosed no conflict of interest.*
Kaji, Deepak ....................... *Disclosed no conflict of interest.*
Kajikawa, Shuhei .................. *Disclosed no conflict of interest.*
Kajikawa, Yoshiteru .................. *Disclosed no conflict of interest.*
Kakiuchi, Yuji ...................... *Disclosed no conflict of interest.*
Kakutani, Kenichiro .................. *Disclosed no conflict of interest.*
Kalajzic, Ivo ...................... *Disclosed no conflict of interest.*
Kalbfleisch, Theodore S ............ *Disclosed no conflict of interest.*
Kalbitz, Miriam ................... *Disclosed no conflict of interest.*
Kallman, Tyler ..................... *Disclosed no conflict of interest.*
Kalluri, Anita ...................... *Disclosed no conflict of interest.*
Kalunian, Kenneth ..........Disclosed no conflict of interest.
Kamada, Kohei..............Disclosed no conflict of interest.
Kamada, Yoichiro...........Disclosed no conflict of interest.
Kamal, Robin N ..........Disclosed no conflict of interest.
Kamali, Amir ...............Disclosed no conflict of interest.
Kamalitdinov, Timur B ....Disclosed no conflict of interest.
Kamara, Eli ................Disclosed no conflict of interest.
Kamaraj, Achi...............Disclosed no conflict of interest.
Kamenaga, Tomoyuki .......Disclosed no conflict of interest.
Kamihata, Satoshi ..........Disclosed no conflict of interest.
Kamimura, Masayuki .......Disclosed no conflict of interest.
Kamiya, Tomoaki ..........Disclosed no conflict of interest.
Kamiya, Yasunari ..........Disclosed no conflict of interest.
Kammer, MaryRose ..........3A: Organogenesis.
Kanai, Satoshi ..............Disclosed no conflict of interest.
Kanamoto, Takashi ..........Disclosed no conflict of interest.
Kanarek, Andrew ..........Disclosed no conflict of interest.
Kanda, Yutaro ..............Disclosed no conflict of interest.
Kandel, Shital ..............Disclosed no conflict of interest.
Kane, Gillian ...............Disclosed no conflict of interest.
Kane, Gillian E ............Disclosed no conflict of interest.
Kane, Matthew ............ Disclosed no conflict of interest.
Kane, Robert ...............Disclosed no conflict of interest.
Kaneda, Giselle ............Disclosed no conflict of interest.
Kaneko, Taizo ..............Disclosed no conflict of interest.
Kanemura, Naohiko ......Disclosed no conflict of interest.
Kanemura, Nohiko .........Disclosed no conflict of interest.
Kang, Hyung Mo ...........Disclosed no conflict of interest.
Kang, James D .............Disclosed no conflict of interest.
Kang, Kyoung-Tak .........Disclosed no conflict of interest.
Kania-Richmond, Ania ..............Disclosed no conflict of interest.
Kanim, Linda .........................4: Medtronic.
Kanno, Keijiro ..........................Disclosed no conflict of interest.
Kanno, Seiji ............................Disclosed no conflict of interest.
Kano, Koichiro.........................Disclosed no conflict of interest.
Kanski, Gregory .......................Disclosed no conflict of interest.
Kanto, Ryo ..............................Disclosed no conflict of interest.
Kanzaki, Lauren F .....................Disclosed no conflict of interest.
Kanzaki, Noriyuki .....................Disclosed no conflict of interest.
Kaplan, David L .......................Disclosed no conflict of interest.
Kaplan, Lee D ..........................Disclosed no conflict of interest.
Kaplan, Nathan B. .....................Disclosed no conflict of interest.
Karas, Vasili ...........................Disclosed no conflict of interest.
Kargilis, Daniel .......................Disclosed no conflict of interest.
Kargilis, Daniel C ....................Disclosed no conflict of interest.
Karim, Lamya .........................Disclosed no conflict of interest.
Karimi, Davood .......................Disclosed no conflict of interest.
Karjalainen, Kalle Johannes ..........Disclosed no conflict of interest.
Karkache, Ismael ......................Disclosed no conflict of interest.
Karkache, Ismael Y ....................Disclosed no conflict of interest.
Karkare, Nakul .......................Disclosed no conflict of interest.
Karner, Courtney ......................Disclosed no conflict of interest.
Karner, Courtney M ...................Disclosed no conflict of interest.
Karott, Sean ..........................Disclosed no conflict of interest.
Karra, Swathi .........................Disclosed no conflict of interest.
Kantha, Sonia .........................Disclosed no conflict of interest.
Karuman, Zara .......................Disclosed no conflict of interest.
Karunaseelan, Kabelan J ............Disclosed no conflict of interest.
Kashanchi, Kevin .....................Disclosed no conflict of interest.
Kashanchi, Kevin I ...................Disclosed no conflict of interest.
Kashyap, Ritesh .................Disclosed no conflict of interest.
Kasitz, Jaden ..................Disclosed no conflict of interest.
Kaszel, Alex ..................Disclosed no conflict of interest.
Katagiri, Hiroki ................Disclosed no conflict of interest.
Katano, Hisako ................Disclosed no conflict of interest.
Kataoka, Kiminari ............Disclosed no conflict of interest.
Kates, Stephen L .............Disclosed no conflict of interest.
Kato, Kenji ...................Disclosed no conflict of interest.
Katragadda, Akhil ...........Disclosed no conflict of interest.
Katyal, Priya ..................Disclosed no conflict of interest.
Kaur, Gurbani .................Disclosed no conflict of interest.
Kaur, Gurcharan ..............Disclosed no conflict of interest.
Kaushal, Neil ..................Disclosed no conflict of interest.
Kaushal, Shankar .............Disclosed no conflict of interest.
Kawabata, Yusuke ............Disclosed no conflict of interest.
Kawahara, Shinya .............Disclosed no conflict of interest.
Kawai, Shunsuke ..............Disclosed no conflict of interest.
Kawakami, Kazuyoshi .......Disclosed no conflict of interest.
Kawakami, Kensaku ..........Disclosed no conflict of interest.
Kawakami, Noriaki ..........Disclosed no conflict of interest.
Kawakami, Yohei .............Disclosed no conflict of interest.
Kawamoto, Teruya ..........Disclosed no conflict of interest.
Kawamura, Daisuke ..........Disclosed no conflict of interest.
Kawamura, Yoshi .............Disclosed no conflict of interest.
Kawamura, Yusuke ..........Disclosed no conflict of interest.
Kawano, Koichiro ..........Disclosed no conflict of interest.
Kawarai, Yuya ...............Disclosed no conflict of interest.
Kawasaki, Makoto ..........Disclosed no conflict of interest.
Kawasaki, Toshisuke .......Disclosed no conflict of interest.
Kawata, Kazumasa ..........Disclosed no conflict of interest.
Kawcak, Chris | Disclosed no conflict of interest.
Kay, Robert M | Disclosed no conflict of interest.
Kazama, Tomohiko | Disclosed no conflict of interest.
Kazemi, Soroush | Disclosed no conflict of interest.
Kazezian, Zepur | Disclosed no conflict of interest.
Kazuya, Ikoma | Disclosed no conflict of interest.
Kean, Thomas | Disclosed no conflict of interest.
Kean, Thomas J | 4: FUJIY, GILD, GWW.
Keefer, Ryan | 3A: Depuy Synthes.
Kefala, Vasiliki | Disclosed no conflict of interest.
Kegode, Imali | Disclosed no conflict of interest.
Kelkar, Amey | Disclosed no conflict of interest.
Kelkar, Shaunak | Disclosed no conflict of interest.
Keller, Laura Elizabeth | Disclosed no conflict of interest.
Kelley, Benjamin | Disclosed no conflict of interest.
Kelley, Benjamin V | Disclosed no conflict of interest.
Kelley, Eric E | Disclosed no conflict of interest.
Kelly, Domhnall C | Disclosed no conflict of interest.
Kelly, Shayne R | Disclosed no conflict of interest.
Kemler, Bryson R | Disclosed no conflict of interest.
Kemp, Stephen .......................Disclosed no conflict of interest.
Kempter, Elena .......................Disclosed no conflict of interest.
Kenawy, Hagar M .......................Disclosed no conflict of interest.
Kenichiro, Kakutani .......................Disclosed no conflict of interest.
Kenji, Takahashi .......................Disclosed no conflict of interest.
Kennedy, John G ..........................3B: In2Bones, Memphis, TN.
Kenney, H. Mark .......................Disclosed no conflict of interest.
Kent, Brandon .......................Disclosed no conflict of interest.
Kenter, Keith .......................Disclosed no conflict of interest.
Kenter, Mitchell .......................Disclosed no conflict of interest.
Ker, Dai Fei Elmer .......................9: I am a committee member of ORS.
Ker, Elmer Dai Fei .......................Disclosed no conflict of interest.
Kerckhofs, Greet .......................Disclosed no conflict of interest.
Kerkhoffs, Gino MMJ ...................Disclosed no conflict of interest.
Kernkamp, Willem A .......................Disclosed no conflict of interest.
Kerr, Bethany A .......................Disclosed no conflict of interest.
Kerr, Geoffrey J .......................Disclosed no conflict of interest.
Kerry, Robert M .......................Disclosed no conflict of interest.
Kersh, Mariana .......................Disclosed no conflict of interest.
Keter, Daniel .......................3A: Zimmer Biomet.
Ketonis, Constantinos ...................Disclosed no conflict of interest.
Keyak, Joyce H .......................1: Bone-Rad Therapeutics, Inc.; 4: Bone-Rad Therapeutics, Inc.; 9: ORS NIMC.
Khairallah, Ramzi J .......................Disclosed no conflict of interest.
Khan, Mohd N .......................Disclosed no conflict of interest.
Khan, Nazir .......................Disclosed no conflict of interest.
Khan, Nazir M .......................Disclosed no conflict of interest.
Khan, Safdar .......................Disclosed no conflict of interest.
Khan, Wasim .......................Disclosed no conflict of interest.
Khandha, Ashutosh .......................Disclosed no conflict of interest.
Kharlamov, A .................. disclosed no conflict of interest.
Kharlamov, Alexander ............ disclosed no conflict of interest.
Kharma, Lara........................ disclosed no conflict of interest.
Khokhar, Ahmed..................... disclosed no conflict of interest.
Khokhar, Suhirad.................... disclosed no conflict of interest.
Khoshbin, Amir ..................... disclosed no conflict of interest.
Kiapour, Ata M...................... 3B: MIACH Orthopaedics; 8: BMC Musculoskeletal Disorders.
Kiapour, Ata M...................... 8: Editor for BMC Musculoskeletal Disorders.
Kida, Hiroaki ........................ disclosed no conflict of interest.
Kidani, Teruki........................ disclosed no conflict of interest.
Kido, Mariko.......................... disclosed no conflict of interest.
Kido, Yusuke.......................... disclosed no conflict of interest.
Kiernan, Sam......................... disclosed no conflict of interest.
Kihara, Shinsuke..................... disclosed no conflict of interest.
Kikuchi, Kenichi..................... disclosed no conflict of interest.
Killian, Megan L .................... disclosed no conflict of interest.
Kilway, Kathleen V.................. disclosed no conflict of interest.
Kim, Carolyn........................ disclosed no conflict of interest.
Kim, Cory ........................... disclosed no conflict of interest.
Kim, Do-Gyoon....................... disclosed no conflict of interest.
Kim, Dong Hwa ...................... disclosed no conflict of interest.
Kim, Hannah......................... disclosed no conflict of interest.
Kim, Harry ........................... disclosed no conflict of interest.
Kim, Harry K. W.................... disclosed no conflict of interest.
Kim, Hee Joong ..................... 3B: Corentec company.
Kim, Hubert ......................... disclosed no conflict of interest.
Kim, Hyunsoo......................... disclosed no conflict of interest.
Kim, Jaeyoung....................... disclosed no conflict of interest.
Kim, Jayoung........................ disclosed no conflict of interest.
Kim, Jeehun .......................... disclosed no conflict of interest.
Kim, Jin-Sung........................................... Disclosed no conflict of interest.
Kim, Jongkil........................................... Disclosed no conflict of interest.
Kim, Jun S........................................... Disclosed no conflict of interest.
Kim, Jungsung........................................ Disclosed no conflict of interest.
Kim, Kang-Il........................................ Disclosed no conflict of interest.
Kim, Lily ........................................... Disclosed no conflict of interest.
Kim, Min Ji ........................................ Disclosed no conflict of interest.
Kim, Min Seok........................................ Disclosed no conflict of interest.
Kim, Morgan........................................ Disclosed no conflict of interest.
Kim, Nathan........................................ Disclosed no conflict of interest.
Kim, Ra Jeong........................................ Disclosed no conflict of interest.
Kim, Sean ........................................ Disclosed no conflict of interest.
Kim, Seo Yeong....................................... Disclosed no conflict of interest.
Kim, Seoyeong........................................ Disclosed no conflict of interest.
Kim, Stewart......................................... Disclosed no conflict of interest.
Kim, Sun Jin.......................................... Disclosed no conflict of interest.
Kim, Sung Yeon....................................... Disclosed no conflict of interest.
Kim, Sung-Jae......................................... Disclosed no conflict of interest.
Kim, Sungwoo......................................... Disclosed no conflict of interest.
Kim, WooYoung....................................... Disclosed no conflict of interest.
Kim, You Ji........................................... Disclosed no conflict of interest.
Kim, Youngji.......................................... Disclosed no conflict of interest.
Kim, Young-Jo........................................ Disclosed no conflict of interest.
Kimbrel, Brandon.................................... Disclosed no conflict of interest.
Kimmel, Ron ........................................ Disclosed no conflict of interest.
Kimmerling, Kelly................................... 3A: Organogenesis.
Kimmerling, Kelly A................................ 3A: Organogenesis.
Kimura, Soichiro.................................... Disclosed no conflict of interest.
Kimura, Tadashi..................................... Disclosed no conflict of interest.
Kim-Wang, Sophia Y............................... Disclosed no conflict of interest.
Kindig, Matthew W. .................. Disclosed no conflict of interest.
King, David ......................... Disclosed no conflict of interest.
King, Elizabeth .................. Disclosed no conflict of interest.
King, Melissa ...................... Disclosed no conflict of interest.
Kingstedt, Owen ................ Disclosed no conflict of interest.
Kinoshita, Eiji .................. Disclosed no conflict of interest.
Kinoshita, Takuya ................ Disclosed no conflict of interest.
Kinter, Michael T. .................. Disclosed no conflict of interest.
Kirchner, Marieluise ........ Disclosed no conflict of interest.
Kirkbride-Romeo, Lara .... Disclosed no conflict of interest.
Kirkwood, Renata ........ Disclosed no conflict of interest.
Kirnaz, Sertac .................. Disclosed no conflict of interest.
Kirsch, Thorsten .................. Disclosed no conflict of interest.
Kirtley, Margaret G. ........ Disclosed no conflict of interest.
Kishimoto, Kenji ........ Disclosed no conflict of interest.
Kiss-Toth, Endre .................. Disclosed no conflict of interest.
Kitamura, Kenji .................. Disclosed no conflict of interest.
Kitayama, Kazumichi ........ Disclosed no conflict of interest.
Kitoh, Hiroshi .................. Disclosed no conflict of interest.
Kitsis, Richard N ........ Disclosed no conflict of interest.
Kiu, Alice ...................... Disclosed no conflict of interest.
Kiyohara, Masato ........ Disclosed no conflict of interest.
Klahr, Bruno .................. Disclosed no conflict of interest.
Klahsen, Olena M ........ Disclosed no conflict of interest.
Klatt, Brian .................. Disclosed no conflict of interest.
Klein, Gordon L ........ Disclosed no conflict of interest.


Klein, Karina..................................Disclosed no conflict of interest.

Klein-Nulend, Jenneke .......................Disclosed no conflict of interest.

Klemt, Christian ..............................Disclosed no conflict of interest.

Kleweno, Conor ...............................Disclosed no conflict of interest.

Klimstra, Marc ................................5: Kinetyx.


Klineberg, Eric ...............................3B: Depuy Synthes, Stryker, Medicrea, Medtronic.

Kloser, Heidi..................................Disclosed no conflict of interest.

Kluczynski, Melissa ..........................Disclosed no conflict of interest.

Kluczynski, Melissa A. ........................Disclosed no conflict of interest.

Kluge, Morgan C..............................Disclosed no conflict of interest.

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

Kluser, Nadine ..............................Disclosed no conflict of interest.

Kluz, Paige N .................................Disclosed no conflict of interest.

Kniec, Stanley ...............................3A: DePuy Synthes; 4: Johnson & Johnson.

Knapik, Derrick ..............................Disclosed no conflict of interest.

Knapp, Emma .................................Disclosed no conflict of interest.

Knapp, Paul .................................Disclosed no conflict of interest.

Knecht, Raphael S ............................Disclosed no conflict of interest.

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

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

Knight, Britta ...............................Disclosed no conflict of interest.

Knights, Alexander J.........................Disclosed no conflict of interest.

Knothe Tate, Melissa ........................3C: Co-Founder TTPeriOz, an implant start up unrelated to this study; 4: Equity in TTPeriOz, an implant start up unrelated to this abstract.

Knothe Tate, Melissa ........................3C: Co-Founder, Start up company TissuTex, novel textile implants and wearables; 4: Equity in TissuTex, per 3C.

Knothe Tate, Melissa ........................3C: Co-Founder of start up company, TissuTex; 4: quite in start up company, 3C.
Knowles, Nik disclosed no conflict of interest.
Knowles, Nikolas disclosed no conflict of interest.
Knowles, Nikolas K disclosed no conflict of interest.
Knudson, Cheryl B disclosed no conflict of interest.
Knudson, Warren disclosed no conflict of interest.
Ko, Ching-Chang disclosed no conflict of interest.
Ko, Frank C disclosed no conflict of interest.
Ko, Sunho disclosed no conflict of interest.
Ko, Tiffany disclosed no conflict of interest.
Kobak, Kamil A disclosed no conflict of interest.
Kobayashi, Hideyuki disclosed no conflict of interest.
Kobayashi, Naomi disclosed no conflict of interest.
Kobayashi, Shu disclosed no conflict of interest.
Koch, John disclosed no conflict of interest.
Koch, John A disclosed no conflict of interest.
Koch, Kevin disclosed no conflict of interest.
Kodigudla, Manoj disclosed no conflict of interest.
Koff, Matthew F 5: GE Healthcare.
Koff, Matthew F 8: Editorial Board of JOR.
Koff, Matthew F 8: Editorial Board JOR.
Koff, Matthew F 5: GE Healthcare; 8: Editorial Board JOR.
Koga, Hideyuki disclosed no conflict of interest.
Kogai, Yasumichi disclosed no conflict of interest.
Kogan, Feliks 5: GE Healthcare.
Koguchi, Masashi disclosed no conflict of interest.
Koh, In Jun disclosed no conflict of interest.
Koh, Jason 4: Marrow Access Technologies, Acuitive; 8: OJSM; 9: ISAKOS, IPSG, AAOS, AOSSM, AANA, ASES, IAOS.
Koh, Joyce SB disclosed no conflict of interest.
Koh, Yong-Gon disclosed no conflict of interest.
Kohe, Onishi disclosed no conflict of interest.
Kohler, Rachel disclosed no conflict of interest.
Kohli, Nupur disclosed no conflict of interest.
Kohnen, Michael disclosed no conflict of interest.
Kohno, Yuji disclosed no conflict of interest.
Kohno, Yusuke disclosed no conflict of interest.
Koichi, Nakagawa disclosed no conflict of interest.
Kojima, Toshihisa disclosed no conflict of interest.
Kokabu, Terufumi disclosed no conflict of interest.
Kokubun, Takanori disclosed no conflict of interest.
Kolevar, Matthew disclosed no conflict of interest.
Kolipaka, Arunark disclosed no conflict of interest.
Kolonin, Mikhail disclosed no conflict of interest.
Kolz, Christopher disclosed no conflict of interest.
Komatsu, David disclosed no conflict of interest.
Komatsu, David E disclosed no conflict of interest.
Komatsu, David E disclosed no conflict of interest.
Komatsu, Taka disclosed no conflict of interest.
Komenda, Jacob disclosed no conflict of interest.
Komistek, Richard D disclosed no conflict of interest.
Komistek, Richard D disclosed no conflict of interest.
Komori, Keiichiro disclosed no conflict of interest.
Kon, Rachel disclosed no conflict of interest.
Konar, Subhajit disclosed no conflict of interest.
Kondo, Akira disclosed no conflict of interest.
Kondo, Eiji disclosed no conflict of interest.
Kong, Alice PS disclosed no conflict of interest.
König, Matthias A disclosed no conflict of interest.
Konjas, Alexis .......................... Disclosed no conflict of interest.
Konnaris, Maxwell ....................... Disclosed no conflict of interest.
Konopka, Adam .......................... Disclosed no conflict of interest.
Kontaxis, Andreas ...................... Disclosed no conflict of interest.
Koopman, Bart .......................... Disclosed no conflict of interest.
Kops, Nicole ............................. Disclosed no conflict of interest.
Korcari, Antonion ....................... Disclosed no conflict of interest.
Korhonen, Rami .......................... Disclosed no conflict of interest.
Korhonen, Rami K .......................... Disclosed no conflict of interest.
Korhonen, Rami K ....................... Disclosed no conflict of interest.
Korleowitz, Ryan J ....................... Disclosed no conflict of interest.
Korley, Robert .......................... Disclosed no conflict of interest.
Kornmehl, Marcus ....................... Disclosed no conflict of interest.
Kortntner, Stefanie H ..................... Disclosed no conflict of interest.
Koroneos, Zachary Adam .............. Disclosed no conflict of interest.
Kosber, Rashed L ....................... Disclosed no conflict of interest.
Kosonen, Joonas ....................... Disclosed no conflict of interest.
Kosugiyama, Hironobu .................. Disclosed no conflict of interest.
Kotani, Toshiaki ....................... Disclosed no conflict of interest.
Kotelsky, Alexander .................. Disclosed no conflict of interest.
Kouroupis, Dimitrios ................ Disclosed no conflict of interest.
Kovacevic, David .......................... 8: JBJS; 9: ASES, ORS.
Kowalski, Erik .......................... Disclosed no conflict of interest.
Kowalski, Michael ....................... Disclosed no conflict of interest.
Koyama, Takafumi ....................... Disclosed no conflict of interest.
Kozaily, Elie .............................. Disclosed no conflict of interest.
Kozar, Albert ........................ 9: AOASM, OPC.
Kozar, Zachary Charles ................ Disclosed no conflict of interest.
Kozloff, Kenneth M ................... 3B: Mereo Biopharma, Ultragenyx; 5: Mereo Biopharma, Cayman Chemical; 6: Amgen Inc, UCB.
Kraay, Matthew ........................Disclosed no conflict of interest.
Krahenbuhl, Nicola ......................Disclosed no conflict of interest.
Krakow, Deborah ........................Disclosed no conflict of interest.
Kramer, Jacob ..........................Disclosed no conflict of interest.
Kramer, Jacob S ........................Disclosed no conflict of interest.
Kraus, Jessica M .........................Disclosed no conflict of interest.
Kraus, Petra ..............................Disclosed no conflict of interest.
Kraus, Virginia Byers ..........................3B: Novartis, Flexion Therapeutics, Unity Biotechnologies; 8: Zimmer Biomet.
Krause, Peter C ..........................Disclosed no conflict of interest.
Krekeler, Gwendalyn ........................Disclosed no conflict of interest.
Kreulen, Christopher ......................Disclosed no conflict of interest.
Krishna, Praveen ........................Disclosed no conflict of interest.
Krishnamurthy, Vinayak ..................Disclosed no conflict of interest.
Kristschil, Rebecca ........................Disclosed no conflict of interest.
Kroenung, Patrick .........................Disclosed no conflict of interest.
Krölikowski, John G .....................Disclosed no conflict of interest.
Kronenberg, Henry M .....................Disclosed no conflict of interest.
Kroon, Hidde M ............................Disclosed no conflict of interest.
Kroon, Tori .................................Disclosed no conflict of interest.
Krueckel, Jonas ..........................Disclosed no conflict of interest.
Krueger, Benjamin .......................Disclosed no conflict of interest.
Krueger, Chad ............................Disclosed no conflict of interest.
Krueger, Chad A ..........................Disclosed no conflict of interest.
Krueger, Van ..............................Disclosed no conflict of interest.
Krug, Roland ..............................Disclosed no conflict of interest.
Krüger, Benjamin T. .....................Disclosed no conflict of interest.
Kruger, Karen ............................Disclosed no conflict of interest.
Krull, Carly ..............................Disclosed no conflict of interest.
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Kurosawa, Takashi .................. Disclosed no conflict of interest.
Kurose, Yasuo ....................... Disclosed no conflict of interest.
Kurtaliaj, Iden ...................... Disclosed no conflict of interest.

Kurtz, Steven ........................ 2: Exponent; 3B: Exponent; 5: Celanese, Ceramtec, Ferring Pharmaceuticals, Invibio, Simplify Medical, Stryker, Wright Medical Technology, Zimmer Biomet; 6: Exponent.
Kurtz, Steven ....................... 3B: Exponent, Inc.; 5: Celanese, CeramTec GmbH, Ferring Pharmaceuticals, Invibio, Simplify Medical, Stryker, Wright Medical Technology, Zimmer Biomet; 6: Exponent, Inc.
Kurtz, Steven M ..................... 2: Exponent; 3B: Exponent; 5: Celanese, Ceramtec, Ferring Pharmaceuticals, Invibio, Simplify Medical, Stryker, Wright Medical Technology, Zimmer Biomet; 6: Exponent.
Kurtz, Steven M ..................... 2: Exponent Inc.; 3B: Exponent Inc.; 5: Celanese, Ceramtec, Ferring Pharmaceuticals, Invibio, Simplify Medical, Stryker, Wright Medical Technology, Zimmer-Biomet; 6: Exponent Inc.
Kurtz, Steven M ..................... 2: Exponent; 3B: Exponent; 5: Celanese, Ceramtec, Ferring Pharmaceuticals, Invibio, Simplify Medical, Stryker, Wright Medical Technology, Zimmer Biomet; 6: Exponent.

Kusaba, Yohei ....................... Disclosed no conflict of interest.
Kushner, Rachel ..................... Disclosed no conflict of interest.
Kusins, Jonathan R .................. Disclosed no conflict of interest.
Kusuma, Sharat ..................... 3A: Exactech Inc.
Kuwashima, Umito .................. Disclosed no conflict of interest.
Kuyl, Emile .......................... Disclosed no conflict of interest.
Kuyl, Emile-Victor .................. Disclosed no conflict of interest.
Kuzuhara, Ryota ..................... Disclosed no conflict of interest.
Kwak, Daekyeung .................... Disclosed no conflict of interest.
Kwak, Dai Soon ..................... Disclosed no conflict of interest.
Kwok, Andy .......................... Disclosed no conflict of interest.
Kwon, John .......................... 3B: MedShape.
Kwon, John Y. ....................... Disclosed no conflict of interest.
Kwon, John Y. Kwon ................ Disclosed no conflict of interest.
Kwon, Young-Min ...................5: 5- Stryker; 5- Zimmer Biomet; 5- Depuy; 5- Corentec; 5- Smith & Nephew.

Kwon, Young-Min ...................5: 5- Stryker; 5- Zimmer Biomet; 5- Depuy; 5- Corentec; 5- Smith & Nephew.

Kyriacou, Harry ...................Disclosed no conflict of interest.

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

Kyrkos, Judith G. ...................Disclosed no conflict of interest.

LaBaze, Dukens ...................Disclosed no conflict of interest.

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

Lacambra, Maribel D ...............Disclosed no conflict of interest.

Lacheta, Lucca ...................Disclosed no conflict of interest.

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

Lackner, Ina ...................Disclosed no conflict of interest.

Lad, Nimit K ...................Disclosed no conflict of interest.

Ladd, Amy ...................4: Loci Orthopedics.

Ladd, Amy L ...................4: Loci Orthopedics.

Ladd, Bryan M ...................Disclosed no conflict of interest.

Laende, Elise ...................Disclosed no conflict of interest.

Lai, Alon ...................Disclosed no conflict of interest.

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

Lakadamyali, Melike ...............Disclosed no conflict of interest.

Lake, Spencer ...................Disclosed no conflict of interest.

Lake, Spencer P ...............8: ORS, JBME, ASME-BED.

Lakhani, Zohaib Y ...................Disclosed no conflict of interest.

Lalone, Emily ...................Disclosed no conflict of interest.

Lalone, Emily A ...................Disclosed no conflict of interest.

Lam, Aaron ...................Disclosed no conflict of interest.

Lam, Kanrick C ...................Disclosed no conflict of interest.

Lam, Phillip ...................Disclosed no conflict of interest.

Lam, Tsz Ping ...................Disclosed no conflict of interest.

Lam, Tsz-Ping ...................Disclosed no conflict of interest.
Lambers, Floor M .................. 3A: Stryker.
Lambrecht, Mark J ............... Disclosed no conflict of interest.
Lammin, Lindsey .................. Disclosed no conflict of interest.
Lamontagne, Mario ............... 3B: MicroPort Orthopedics Inc; 5: MicroPort Orthopedics Inc, Smith and Nephew Orthopaedics AG.
Lamoure, Emma ................... Disclosed no conflict of interest.
Lamplot, Joseph Daniel .......... Disclosed no conflict of interest.
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Landgren, Marcus ................ Disclosed no conflict of interest.
Landy, David ...................... Disclosed no conflict of interest.
Lane, Lewis B ..................... Disclosed no conflict of interest.
Lane, Ryan A ...................... Disclosed no conflict of interest.
Lang, Annemarie .................. Disclosed no conflict of interest.
Lang, Gernot M ................... Disclosed no conflict of interest.
Lang, McDaniel H ............... Disclosed no conflict of interest.
Langgartner, Dominik .......... Disclosed no conflict of interest.
Langhans, Mark .................. Disclosed no conflict of interest.
Langley, Michael ............... Disclosed no conflict of interest.
Langohr, G Daniel G ........... Disclosed no conflict of interest.
Lansdown, Drew ................. 6: Wright Medical; 9: AOSSM.
Lanske, Beate ...................... 3A: Radius Health Inc; 4: Radius Health Inc.
Lanzone, Allison ................ Disclosed no conflict of interest.
LaPlante, Kerry .......................................................... 3B: Nabriva, Melinta, Tetraphase; 5: Merck, Pfizer, Ocean Spray Cranberries; 8: Society of Infectious Disease Pharmacists; 9: Society of Infectious Disease Pharmacists.

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

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

Lara, Daniel L ........................................ Disclosed no conflict of interest.

Lareau, Craig .................................................. 3B: MedShape.

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

Larsen, Bryce .............................................. Disclosed no conflict of interest.

Larsen, Christopher G. ................................. Disclosed no conflict of interest.

Larson, Emily L. .......................................... Disclosed no conflict of interest.

Larsson, Lars .............................................. Disclosed no conflict of interest.

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

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

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


Lau, Brian C .................................................. 5: Arthrex, Wright Medical.

Lau, Carol PY ............................................. Disclosed no conflict of interest.

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

Laudier, Damien M ...................................... Disclosed no conflict of interest.

Laughlin, Ruple S ......................................... Disclosed no conflict of interest.

Laurencin, Samuel ........................................ Disclosed no conflict of interest.

Lauritsen, Katherine L. ................................. Disclosed no conflict of interest.

Lavertu, Marc .............................................. 4: Ortho Regenerative Technologies Inc; 5: Ortho Regenerative Technologies Inc.

Law, Kwan Yau ........................................... Disclosed no conflict of interest.

Lawrence, Brandon ...................................... Disclosed no conflict of interest.

Lawrence, Rebekah L ................................ Disclosed no conflict of interest.

Lawson, Taylor B ........................................ Disclosed no conflict of interest.

Laycock, Phillip A ........................................... 3A: Biocomposites Ltd.
Layson, James Disclosed no conflict of interest.
Lazazzera, Beth A Disclosed no conflict of interest.
Le Maitre, Christine Disclosed no conflict of interest.
Le Maitre, Christine L Disclosed no conflict of interest.
Le, Brandon Disclosed no conflict of interest.
Le, Hai Disclosed no conflict of interest.
Le, Michael Disclosed no conflict of interest.
Le, Michale Disclosed no conflict of interest.
Leach, J. K. Disclosed no conflict of interest.
Leach, J. Kent Disclosed no conflict of interest.
Leach, Kent Disclosed no conflict of interest.
Leahy, Thomas P Disclosed no conflict of interest.
Leale, Dustin M Disclosed no conflict of interest.
Leape, Charlotte P Disclosed no conflict of interest.
Leas, Daniel P Disclosed no conflict of interest.
Lebeau, Luc Lebeau Disclosed no conflict of interest.
Leckenby, Jonathan I Disclosed no conflict of interest.
Ledet, Eric H 4: ReVivo Medical, LLC, inSense Medical, LLC.
Ledoux, William R Disclosed no conflict of interest.
Lee, Alex B Disclosed no conflict of interest.
Lee, Alex G Disclosed no conflict of interest.
Lee, Beth S Disclosed no conflict of interest.
Lee, Brendan Disclosed no conflict of interest.
Lee, Byungho Disclosed no conflict of interest.
Lee, Carlin Disclosed no conflict of interest.
Lee, Chang Disclosed no conflict of interest.
Lee, Chien-Wei Disclosed no conflict of interest.
Lee, Daeyeon 4: Mechano-Therapeutics LLC.
Lee, Fei San ...................................*Disclosed no conflict of interest.*
Lee, Geon Woo ................................*Disclosed no conflict of interest.*
Lee, Hannah H................................*Disclosed no conflict of interest.*
Lee, Hyobeom ................................*Disclosed no conflict of interest.*
Lee, Hyunyeol ..............................*Disclosed no conflict of interest.*
Lee, Jeong Hyeon .........................*Disclosed no conflict of interest.*
Lee, Jin Woo ................................*Disclosed no conflict of interest.*
Lee, Jin-Ah ...................................*Disclosed no conflict of interest.*
Lee, Joon .....................................*Disclosed no conflict of interest.*
Lee, Joon Y ...................................*Disclosed no conflict of interest.*
Lee, Joseph ..................................*Disclosed no conflict of interest.*
Lee, Keun Bae ...............................*Disclosed no conflict of interest.*
Lee, Kyoung-Mi ............................*Disclosed no conflict of interest.*
Lee, Mark .....................................*Disclosed no conflict of interest.*
Lee, Michael J ..............................3B: Depp Synthes, Stryker Spine, Globus Medical.
Lee, Michael J ..............................3B: Depp Synthes, Stryker Spine, Globus Medical.
Lee, Min .....................................*Disclosed no conflict of interest.*
Lee, Myon Hee .............................*Disclosed no conflict of interest.*
Lee, Myung Chul ...........................*Disclosed no conflict of interest.*
Lee, Nancy .................................*Disclosed no conflict of interest.*
Lee, Naomi .................................*Disclosed no conflict of interest.*
Lee, Naomi N ...............................*Disclosed no conflict of interest.*
Lee, Oscar Kuang Sheng ...............*Disclosed no conflict of interest.*
Lee, Oscar Kuang-Sheng ...............*Disclosed no conflict of interest.*
Lee, Peter .................................*Disclosed no conflict of interest.*

Lee, Richard H: Disclosed no conflict of interest.
Lee, Sang-Soo: Disclosed no conflict of interest.
Lee, Seunghwan: Disclosed no conflict of interest.
Lee, Seunghyon: Disclosed no conflict of interest.
Lee, Sung Jae: Disclosed no conflict of interest.
Lee, Sungjae: Disclosed no conflict of interest.
Lee, Sung-Jae: Disclosed no conflict of interest.
Lee, Wayne Yuk-Wai: Disclosed no conflict of interest.
Lee, Wayne YW: Disclosed no conflict of interest.
Lee, Whasil: Disclosed no conflict of interest.
Lee, Yea Rin: Disclosed no conflict of interest.
Lee, Yeon Hee: Disclosed no conflict of interest.
Lee, Yeonju: Disclosed no conflict of interest.
Lee, Yunsoo: Disclosed no conflict of interest.

Lefebvre, Rachel: Disclosed no conflict of interest.
Legerlotz, Kirsten: Disclosed no conflict of interest.
Leiphart, Ryan: Disclosed no conflict of interest.
Lekkala, Sashank: Disclosed no conflict of interest.
Lemme, Nicholas: Disclosed no conflict of interest.
Lemmon, Elisabeth A: Disclosed no conflict of interest.
Lendhey, Matin: 3A: Arthrex Inc.,

Lenhart, Rachel L: Disclosed no conflict of interest.
Lenna, Stefania: Disclosed no conflict of interest.
Lennon, Kendra: Disclosed no conflict of interest.
Lenz, Amy: 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*.
Leonardi, Claudia ..................*Disclosed no conflict of interest*.
Leonardi, PhD, Claudia ..................*Disclosed no conflict of interest*.
Leong, Kam ..................*Disclosed no conflict of interest*.
Leong, Natalie L ..................8: Associate Editor, Journal of Knee Surgery; 9: Research Committee Member, Arthroscopy Association of North America.
Leow, Wee Kheng ..................*Disclosed no conflict of interest*.
LePage, Emma C ..................*Disclosed no conflict of interest*.
Leroux, Amélie ..................*Disclosed no conflict of interest*.
Les, Clifford M ..................3B: Transforming Technologies.
Lesage, Raphaëlle ..................*Disclosed no conflict of interest*.
Leslie, Ian ..................3B: Depuy Synthes.
Leslie, Michael ..................*Disclosed no conflict of interest*.
Lesniak, Bryson ..................*Disclosed no conflict of interest*.
Leung, Anne ..................*Disclosed no conflict of interest*.
Leung, Sophia ..................*Disclosed no conflict of interest*.
Leung, Victor ..................*Disclosed no conflict of interest*.
Levack, Ashley ..................*Disclosed no conflict of interest*.
LeVasseur, Clarissa ..................*Disclosed no conflict of interest*.
LeVasseur, Clarissa M. ..................*Disclosed no conflict of interest*.
Levens, Benjamin ..................*Disclosed no conflict of interest*.
Levenston, Marc E ..................*Disclosed no conflict of interest*.
Levi, Benjamin ..................*Disclosed no conflict of interest*.
Levidy, Michael ..................*Disclosed no conflict of interest*.
Levidy, Michael F. ..................*Disclosed no conflict of interest*.
Levillain, Aurelie ..................*Disclosed no conflict of interest*.
Levillain, Aurélie ..................*Disclosed no conflict of interest*.
Levin, Adam ..................*Disclosed no conflict of interest*.
Levine, William N ..................*Disclosed no conflict of interest*.
Levis, Hunter Disclosed no conflict of interest.
Levison, Timothy J Disclosed no conflict of interest.
Levitsky, Matthew Disclosed no conflict of interest.
Levy, Emily T Disclosed no conflict of interest.
Lewin, Pancy Disclosed no conflict of interest.
Lewis, Gregory Disclosed no conflict of interest.
Lewis, Gregory S Disclosed no conflict of interest.
Lewis, Jacob Disclosed no conflict of interest.
Li, Chenxi 3A: Smith & Nephew; 4: Smith & Nephew.
Li, Dan Disclosed no conflict of interest.
Li, Feng Disclosed no conflict of interest.
Li, Gouan 3B: Mako Medical.
Li, Guangfei Disclosed no conflict of interest.
Li, Guoan 3B: Mako Medical.
Li, Hongshuai Disclosed no conflict of interest.
Li, Jialun Disclosed no conflict of interest.
Li, Jiannan Disclosed no conflict of interest.
Li, Jing-Sheng Disclosed no conflict of interest.
Li, Jun Disclosed no conflict of interest.
Li, Kailin Disclosed no conflict of interest.
Li, Ke Disclosed no conflict of interest.
Li, La Disclosed no conflict of interest.
Li, Li Disclosed no conflict of interest.
Li, Mei Disclosed no conflict of interest.
Li, Meng Chen Michelle Disclosed no conflict of interest.
Li, Mingyao Disclosed no conflict of interest.
Li, Mingzheng Disclosed no conflict of interest.
Li, Neill Y Disclosed no conflict of interest.
Li, Qiangqiang Disclosed no conflict of interest.
Li, Shushan Disclosed no conflict of interest.
Li, Sylvia H..........................\textit{Disclosed no conflict of interest.}

Li, Wenyue..........................\textit{Disclosed no conflict of interest.}

Li, Xiaojuan..........................5: Siemens Medical Solutions Inc.

Li, Xiaojuan..........................5: Siemens Medical Solutions Inc, USA.

Li, Xiaojuan..........................5: Siemens.

Li, Xiaojuan..........................5: Siemens Medical Solutions Inc. USA.

Li, Xudong..........................\textit{Disclosed no conflict of interest.}

Li, Xue-Jun..........................\textit{Disclosed no conflict of interest.}

Li, Yang..............................\textit{Disclosed no conflict of interest.}

Li, Yihan..............................\textit{Disclosed no conflict of interest.}

Li, Yiming..............................\textit{Disclosed no conflict of interest.}

Li, Yong..............................\textit{8: Yong Li is one of the executive editors for the Journal of Cellular Biochemistry. No more.}

Li, Yong..............................\textit{8: Executive editor of Journal of Cellular Biochemistry.}

Li, Yong..............................\textit{8: Yong Li is one of the executive editors for the Journal of Cellular Biochemistry.}

Li, Yong..............................\textit{8: Dr. Yong Li is one of the executive editors for the Journal of Cellular Biochemistry.}

Li, Zhao..............................\textit{Disclosed no conflict of interest.}

Li, Zhen..............................\textit{Disclosed no conflict of interest.}

Li, Zhong..............................\textit{Disclosed no conflict of interest.}

Li, Zhu..............................\textit{Disclosed no conflict of interest.}

Li, Ziqing..............................\textit{Disclosed no conflict of interest.}

Li, Zong-Ming..........................\textit{Disclosed no conflict of interest.}

Liang, Dawei..........................\textit{Disclosed no conflict of interest.}

Liang, Haixiang..........................\textit{Disclosed no conflict of interest.}

Libfraind, Sarah..........................\textit{Disclosed no conflict of interest.}

Libke, Megan..........................\textit{Disclosed no conflict of interest.}

Lidgren, Lars..........................\textit{3B: Lars Lidgren is a board member of Bone Support AB, Sweden and Orthocell, Australia.}

Lidgren, Lars..........................\textit{3B: Board Member of Bone Support AB Sweden and Orthocell Australia.}

Liedtke, Wolfang..........................\textit{Disclosed no conflict of interest.}
Liedtke, Wolfgang            Disclosed no conflict of interest.
Lietman, Caressa            Disclosed no conflict of interest.
Lim, Boon Him               3A: DePuy Synthes.
Lim, Boon Him               3B: DePuy Synthes.
Lim, Dohyung                Disclosed no conflict of interest.
Lim, Joohyun                Disclosed no conflict of interest.
Lim, Tae-Hong               Disclosed no conflict of interest.
Lim, Yeram                  Disclosed no conflict of interest.
Lim, Young Wook             Disclosed no conflict of interest.
Liman, Suryamin             Disclosed no conflict of interest.
Lin, Albert                 3B: Wright, Arthrex.
Lin, Albert                 3B: Wright Medical, Arthrex.
Lin, Albert                 3B: Arthrex Inc; 8: KSSTA; 9: AAOS, ASES, AOSSM, AOA.
Lin, Albert                 3B: Arthrex, Wright Medical.
Lin, Albert                 3B: Arthrex, Wright.
Lin, Andrew                 Disclosed no conflict of interest.
Lin, Anthony                Disclosed no conflict of interest.
Lin, Bin                    Disclosed no conflict of interest.
Lin, Chun-Yu                Disclosed no conflict of interest.
Lin, D-Yin                  Disclosed no conflict of interest.
Lin, Guiting                Disclosed no conflict of interest.
Lin, Hang                   Disclosed no conflict of interest.
Lin, Jason                  Disclosed no conflict of interest.
Lin, Jason Cai              Disclosed no conflict of interest.
Lin, Mei Yun                Disclosed no conflict of interest.
Lin, Sheldon                3A: Co-founder of CreOsso, a company focused on bone healing adjuncts.
Lin, Shiow J                Disclosed no conflict of interest.
Lin, Sien                   Disclosed no conflict of interest.
Lin, Tung-Yi                Disclosed no conflict of interest.
Lin, Tzuhua.................................. Disclosed no conflict of interest.
Lin, Tzu-hua ............................. Disclosed no conflict of interest.
Lin, Xi ....................................... Disclosed no conflict of interest.
Lin, Yi-Shan .............................. Disclosed no conflict of interest.
Lin, Yu Ting ............................... Disclosed no conflict of interest.
Lin, Zixuan ................................ Disclosed no conflict of interest.
Lindberg, Emily .......................... Disclosed no conflict of interest.
Linde, Monica ............................ Disclosed no conflict of interest.
Linde, Monica A ......................... Disclosed no conflict of interest.
Lindsey, Ronald W ........................ Disclosed no conflict of interest.
Lindsey, Ronald W ........................ 8: Editor, JBJS Case Connector.
Ling, Kenny ............................... Disclosed no conflict of interest.
Link, Thomas M ........................... Disclosed no conflict of interest.
Linter, David .............................. Disclosed no conflict of interest.
Lintz, Marianne ........................... Disclosed no conflict of interest.
Liphardt, Anna-Maria ................... Disclosed no conflict of interest.
Lipiski, Miriam ........................... Disclosed no conflict of interest.
Lisiewski, Lauren ....................... Disclosed no conflict of interest.
Lisonbee, Rich J ......................... Disclosed no conflict of interest.
Lisonbee, Rich J ......................... Disclosed no conflict of interest.
List, Renate ............................... 5: Medacta.
Listopadzki, Thomas R .................. Disclosed no conflict of interest.
Little, Christopher B ................... 5: Bone Ligament Tendon.
Liu, Andrew .............................. Disclosed no conflict of interest.
Liu, Bei ................................... Disclosed no conflict of interest.
Liu, Chao ................................. Disclosed no conflict of interest.
Liu, Chuanju .............................. Disclosed no conflict of interest.
Liu, Chunaju .............................. Disclosed no conflict of interest.
Liu, Cunren .............................. Disclosed no conflict of interest.
Liu, Ethan J .............................. Disclosed no conflict of interest.
Liu, Guanglu .............................. Disclosed no conflict of interest.
Liu, Jessica Z .............................. Disclosed no conflict of interest.
Liu, Jiawei .............................. Disclosed no conflict of interest.
Liu, Jie .............................. Disclosed no conflict of interest.
Liu, Jin .............................. Disclosed no conflict of interest.
Liu, Kecheng .............................. 3A: Siemens Medical Solutions Inc. USA.
Liu, Lixian .............................. Disclosed no conflict of interest.
Liu, Mengyao .............................. Disclosed no conflict of interest.
Liu, Nancy .............................. Disclosed no conflict of interest.
Liu, Pengcheng .............................. Disclosed no conflict of interest.
Liu, Qian .............................. Disclosed no conflict of interest.
Liu, Serena EB .............................. Disclosed no conflict of interest.
Liu, Shaohua .............................. Disclosed no conflict of interest.
Liu, Silvia .............................. Disclosed no conflict of interest.
Liu, Songyun .............................. Disclosed no conflict of interest.
Liu, Wenguang .............................. Disclosed no conflict of interest.
Liu, X. Sherry .............................. Disclosed no conflict of interest.
Liu, Xiangyi .............................. 3A: Stryker Orthopaedics.
Liu, Xiangyi (Cheryl) .............................. 3A: Xiangyi Liu.
Liu, Xiaowei S .............................. Disclosed no conflict of interest.
Liu, Xiaowei Sherry .............................. Disclosed no conflict of interest.
Liu, Xing .............................. Disclosed no conflict of interest.
Liu, Xudong .............................. Disclosed no conflict of interest.
Liu, XueCheng .............................. Disclosed no conflict of interest.
Liu, Xue-Cheng .............................. Disclosed no conflict of interest.
Liu, Xueqing .............................. Disclosed no conflict of interest.
Liu, Xuhui .............................. Disclosed no conflict of interest.
Liu, Yajun .......................... Disclosed no conflict of interest.
Liu, Yang .......................... Disclosed no conflict of interest.
Liu, Ying .......................... Disclosed no conflict of interest.
Liu, Yolanda ...................... Disclosed no conflict of interest.
Liu, Yu ............................. Disclosed no conflict of interest.
Liu, Zhaoyang .................... Disclosed no conflict of interest.
Liu-Bryan, Ru ..................... Disclosed no conflict of interest.
Livingston, Ang .................. Disclosed no conflict of interest.
Livingston, Eric .................. Disclosed no conflict of interest.
Lo, I-Ning .......................... Disclosed no conflict of interest.
Lobao, Mario H .................. Disclosed no conflict of interest.
Lockard, Carly A .................. Disclosed no conflict of interest.
Locke, Ryan C ..................... Disclosed no conflict of interest.
Loebel, Claudia .................. Disclosed no conflict of interest.
Loeser, Richard F ............... 3B: UNITY Biotechnology.
Lofgren, Alicia L .................. Disclosed no conflict of interest.
Loftus, Hannah .................. 3A: DiscGenics; 4: DiscGenics.
Logan, Alyssa A. ................. Disclosed no conflict of interest.
Logeart-Avramoglou, Delphine. Disclosed no conflict of interest.
Lohre, Ryan ........................ Disclosed no conflict of interest.
Loiselle, Alayna .................. Disclosed no conflict of interest.
Loiselle, Alayna E. .............. Disclosed no conflict of interest.
Lombardi, Joseph M ............. Disclosed no conflict of interest.
Lombardo, Salvo D .............. Disclosed no conflict of interest.
Long, Greta E ..................... Disclosed no conflict of interest.
Long, Jason ....................... Disclosed no conflict of interest.
Long, Zeling ...................... Disclosed no conflict of interest.
Loots, Gabriela G ............... Disclosed no conflict of interest.
Lopes, Erika Barboza Prado .... Disclosed no conflict of interest.
Lopez, Consuelo ................. Disclosed no conflict of interest.
Lopez, Juan ............................... Disclosed no conflict of interest.
Lopez, Juan D ............................... Disclosed no conflict of interest.
Lopez, Kelsie ............................... Disclosed no conflict of interest.
Lopez, Mandi ............................... Disclosed no conflict of interest.
Lopez, Mandi J ............................... Disclosed no conflict of interest.
Lopez, Serafina G .......................... Disclosed no conflict of interest.
Lopez, Victor A ............................. Disclosed no conflict of interest.
Lorente, Ana I ............................... Disclosed no conflict of interest.
Lotz, Jeffrey ............................... Disclosed no conflict of interest.
Louwagie, Erin M ............................. Disclosed no conflict of interest.
Lovejoy, John ............................... Disclosed no conflict of interest.
Lovric, Vedran ............................... Disclosed no conflict of interest.
Low, Stew A ................................. 3A: Novosteo Inc; 4: Novosteo Inc.
Lowen, Jeremy .............................. Disclosed no conflict of interest.
Lowenberg, David .......................... Disclosed no conflict of interest.
Lowery, Michael ........................... Disclosed no conflict of interest.
Lowman, Anthony ........................... 3B: ReGelTec Inc; 4: ReGelTec Inc; 6: ReGelTec Inc.
Loy, Doug A ................................. Disclosed no conflict of interest.
Lu, Aiping .................................. Disclosed no conflict of interest.
Lu, Amy ................................... Disclosed no conflict of interest.
Lu, Helen H ................................ Disclosed no conflict of interest.
Lu, Jinxiu .................................. Disclosed no conflict of interest.
Lu, Qinghua ................................ Disclosed no conflict of interest.
Lu, Shuting .................................. Disclosed no conflict of interest.
Lu, X. Lucas ................................. Disclosed no conflict of interest.
Lu, Yan ..................................... Disclosed no conflict of interest.
Lu, You ........................................ Disclosed no conflict of interest.
Lu, Zhen ........................................ 5: DePuy Orthopaedics, Orthofix, Microport, Nuvasive, NIH.
Lubberts, Bart ................................... 5: Arthrex, Butterfly Network.
Luczak, Meredith G .................. Disclosed no conflict of interest.
Ludvig, Daniel ......................... Disclosed no conflict of interest.
Ludwick, Leanne ...................... Disclosed no conflict of interest.
Ludwig, Kai D ......................... Disclosed no conflict of interest.
Lue, Tom F ................................... Disclosed no conflict of interest.
Lufkin, Thomas ....................... Disclosed no conflict of interest.
Lui, Elaine ..................................... Disclosed no conflict of interest.
Luis, Justin ................................. Disclosed no conflict of interest.
Luk, Connie ................................. Disclosed no conflict of interest.
Luk, Josephine ......................... Disclosed no conflict of interest.
Lukas, Christoph ...................... Disclosed no conflict of interest.
Lum, Zachary .............................. Disclosed no conflict of interest.
Lundberg, Hannah ...................... 5: Zimmer Biomet.
Lundberg, Hannah J ............... 5: Zimmer Biomet.
Lundberg, Hannah J .................. 5: Zimmer Biomet.
Lung, Brandon ......................... Disclosed no conflict of interest.
Lunkes, Douglas Janiel ................ Disclosed no conflict of interest.
Luo, David T. ......................... Disclosed no conflict of interest.
Luo, Lijun ................................. Disclosed no conflict of interest.
Lutas, Maria .............................. Disclosed no conflict of interest.
Lutnick, Ellen ......................... Disclosed no conflict of interest.
Lv, Zheng-Tao ......................... Disclosed no conflict of interest.
Lycke, Roy ................................. Disclosed no conflict of interest.
Lyle, Mark A. ......................... Disclosed no conflict of interest.
Lynch, John A ......................... Disclosed no conflict of interest.
Lynch, Kelli ............................... 3A: NuVasive.
Lynch, Kevin J ......................... Disclosed no conflict of interest.
Lyons, Lucas P. Disclosed no conflict of interest.
Ma, C Benjamin. Disclosed no conflict of interest.
Ma, Chi Disclosed no conflict of interest.
Ma, Dongzhu Disclosed no conflict of interest.
Ma, Jin Disclosed no conflict of interest.
Ma, Junxuan Disclosed no conflict of interest.
Ma, Wen Ao Disclosed no conflict of interest.
Ma'ayan, Avi Disclosed no conflict of interest.
Macaluso, Bonnie Disclosed no conflict of interest.
MacDonald, Daniel W. Disclosed no conflict of interest.
MacDonald, Daniel W. Disclosed no conflict of interest.
Macdonald, Warren Disclosed no conflict of interest.
MacDowell, Arthur Jr. Disclosed no conflict of interest.
MacEwen, Matthew Disclosed no conflict of interest.
MacEwen, Matthew R Disclosed no conflict of interest.
Macfarlane, Alexander Disclosed no conflict of interest.
Machida, Kazuya Disclosed no conflict of interest.
Machnicki, Allison L. Disclosed no conflict of interest.
MacInnis, Bailey Disclosed no conflict of interest.
Mack, Christina D Disclosed no conflict of interest. 3A: serve as consultant and PI for studies conducted by orthopedic device manufactures, paid for indirectly to their full-time employer IQVIA.
Mack, Wendy J. Disclosed no conflict of interest.
Mackay, Matt Disclosed no conflict of interest.
Mackay, Matthew Disclosed no conflict of interest.
MacKinnon, Kristen Disclosed no conflict of interest.
MacLeod, James N Disclosed no conflict of interest.
MacWilliams, Bruce A .............Disclosed no conflict of interest.
Madry, Henning ....................Disclosed no conflict of interest.
Madsen, Josh .......................4: JM is the CTO of GenAssist, Inc.
Maduka, Chima Victor ..............Disclosed no conflict of interest.
Maeda, Masataka ...................Disclosed no conflict of interest.
Maeda, Tasunori ....................Disclosed no conflict of interest.
Maeda, Tatsunori ...................Disclosed no conflict of interest.
Maeda, Toshihisa ...................Disclosed no conflict of interest.
Maekawa, Hirotsugu ................Disclosed no conflict of interest.
Maenaka, Katsumi ..................Disclosed no conflict of interest.
Maerz, Tristan .....................Disclosed no conflict of interest.
Maglio, Melania ...................7A: This study was funded by Fidia Farmaceutici.
Magneli, Martin ....................Disclosed no conflict of interest.
Mah, Eugene .......................Disclosed no conflict of interest.
Mahatma, Mohit M .................Disclosed no conflict of interest.
Maher, Patrick L ...................Disclosed no conflict of interest.
Maher, Suzanne ...................4: Agelity Biomechanics LLC; Hydro-Gen LLC; 9: Orhtopaedic Research Society.
Mahmood, Aatif ....................Disclosed no conflict of interest.
Mahmood, Bilal .....................Disclosed no conflict of interest.
Mahoney, Ormonde .................3B: Stryker.
Mahtani, Gordhan ..................Disclosed no conflict of interest.
Mahtani, Gordhan B ................Disclosed no conflict of interest.
Mahtani, Gordhan B ................Disclosed no conflict of interest.
Mai, Wilfried .......................Disclosed no conflict of interest.
Main, Russell P ....................Disclosed no conflict of interest.
Mair, Scott .........................5: Smith & Nephew.
Majeska, Robert ....................Disclosed no conflict of interest.
Majima, Tokifumi ..................Disclosed no conflict of interest.
Majumdar, Sharmila ...............5: GE Healthcare, Samumed.
Majumdar, Sharmila

Mäkelä, Janne T. A.

Makhni, Eric C

Makida, Kazuya

Makosa, Dawid

Malany, PhD, Siobhan

Makida, Kazuya

Makosa, Dawid

Malbouby, Vahid

Malchau, Henrik

Maldonado, Marcia

Malfait, Anne-Marie

Malhotra, Neil R

Malige, Ajith

Malik, Azeem Tariq

Malik, Jeremy

Malkani, Arthur L.

Mallinos, Alexandria D

Mallow, Murphy

Malloy, Philip

Maloney, Erin E

Mamouei, Zeinab

Manal, Kurt

Manasherob, Robert

Mancino, Chiara

Mancuso, Megan E

Mandalapu, Sai

Mandell, Jonathan

Mandell, Jonathan B

Mandl, Lisa

5: GE Healthcare.

Disclosed no conflict of interest.


Disclosed no conflict of interest.

Disclosed no conflict of interest.

4: Micro-gRx, Orlando, FL; 5: Micro-gRx, Orlando, FL; 6: Micro-gRx, Orlando, FL.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

3B: Eli Lilly, Pfizer, Vizuri, Ceva, Vetoquinol.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

3A: NuVasive.

2: Stryker; 3B: Stryker; 5: Stryker; 7A: Stryker; 8: Journal of Arthroplasty.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.
Mane, Amitkumar M ..................3A: DePuy Synthes; 4: DePuy Synthes.
Mane, Amitkumar M ..................3A: DePuy Synthes; 4: DePuy Synthes.
Mann, Kenneth A .....................8: JOR Publications Advisory Board.
Mannarino, Matthew ...............Disclosed no conflict of interest.
Mannava, Sandeep .................Disclosed no conflict of interest.
Mannen, Erin .........................Disclosed no conflict of interest.
Mannen, Erin M ......................Disclosed no conflict of interest.
Manner, Paul .........................Disclosed no conflict of interest.
Manner, Paul A .......................8: Clinical Orthopaedics and Related Research.
Mansky, Kim .........................Disclosed no conflict of interest.
Marchard, Kevin .....................Disclosed no conflict of interest.
Marchand, Robert ...................2: Stryker; 3B: Stryker; 4: Stryker; 5: Stryker.
Marchand, Robert ...................3B: Stryker, Zipline, Onetray; 4: Stryker; 5: Stryker.
Marchand, Robert C .................3B: Stryker, Zipline, Onetray; 4: Stryker; 5: Stryker.
Marchetta, Kara ......................Disclosed no conflict of interest.
Marcolongo, Michele ...............Disclosed no conflict of interest.
Marcucio, Ralph ....................Disclosed no conflict of interest.
Marcucio, Ralph S .................Disclosed no conflict of interest.
Marder, MD, Richard A ............Disclosed no conflict of interest.
Marette, Shelly .................Disclosed no conflict of interest.
Margalik, Denis .....................Disclosed no conflict of interest.
Margolis, David .....................Disclosed no conflict of interest.
Margolis, David S ..................Disclosed no conflict of interest.
Margulis, Arkady……………………Disclosed no conflict of interest.
Marinier, Michael Christian ………Disclosed no conflict of interest.
Markel, David ………………………Disclosed no conflict of interest.
Markel, Mark ………………………Disclosed no conflict of interest.
Markhardt, Brian K …………………Disclosed no conflict of interest.
Markway, Brandon …………………Disclosed no conflict of interest.
Marmillon, Cédric …………………Disclosed no conflict of interest.
Marra, Marco ………………………Disclosed no conflict of interest.
Marrero, Louis …………………Disclosed no conflict of interest.
Marrero, Luis …………………Disclosed no conflict of interest.
Marrero, PhD, Luis ……………Disclosed no conflict of interest.
Marsh, J. Lawrence ……………Disclosed no conflict of interest.
Marsh, Mike ………………………Disclosed no conflict of interest.
Marshall, Brittany P ……………Disclosed no conflict of interest.
Marshall, James H ……………Disclosed no conflict of interest.
Marshall, Samantha ……………Disclosed no conflict of interest.
Martensson, Nicole ……………Disclosed no conflict of interest.
Martin, Brian …………………3A: Exactech Inc.
Martin, C Ryan …………………Disclosed no conflict of interest.
Martin, C. Ryan …………………Disclosed no conflict of interest.
Martin, James A …………………Disclosed no conflict of interest.
Martin, John …………………3B: DiscGenics, Inc.
Martin, John T …………………3B: DiscGenics, Inc.
Martin, Nicholas …………………3A: NuVasive.
Martin, Ryan …………………Disclosed no conflict of interest.
Martin, Scott D …………………Disclosed no conflict of interest.
Martin, Stephen …………………Disclosed no conflict of interest.
Martin, Stephen A ……………Disclosed no conflict of interest.
Martinazzi, Brandon ………Disclosed no conflict of interest.
Martinez, Anna ..................................*Disclosed no conflict of interest.*
Martinez, Jessica ............................*Disclosed no conflict of interest.*
Martinez, Saul .................................2: Exactech Inc, LINK, Smith and Nephew; 3B: Exactech Inc; 5: Exactech Inc, AO Foundation.
Martyniak, Kari ...............................*Disclosed no conflict of interest.*
Maruyama, Masahiro .........................*Disclosed no conflict of interest.*
Marvin, Jason C ...............................*Disclosed no conflict of interest.*
Marzo, John ....................................*Disclosed no conflict of interest.*
Masahashi, Naoya ............................*Disclosed no conflict of interest.*
Masamitsu, Kido ...............................*Disclosed no conflict of interest.*
Masataka, Minami .............................*Disclosed no conflict of interest.*
Maslow, Jed I .................................*Disclosed no conflict of interest.*
Mason, Deborah ..............................9: Current British Orthopaedic Research Society (BORS) president.
Mason, Deborah J .............................*Disclosed no conflict of interest.*
Massaro, Matteo ..............................*Disclosed no conflict of interest.*
Massey, Patrick A ............................*Disclosed no conflict of interest.*
Massie, Christine ............................*Disclosed no conflict of interest.*
Masters, Elysia A .............................*Disclosed no conflict of interest.*
Masuda, Koichi ...............................5: AnGes Inc.
Masumoto, Jun ...............................*Disclosed no conflict of interest.*
Matelski, John ...............................*Disclosed no conflict of interest.*
Mathai, Bertin ...............................*Disclosed no conflict of interest.*
Matharoo, Jashanjeet .......................*Disclosed no conflict of interest.*
Mather, Richard C ............................3B: Stryker.
Mathew, Mathew ..................7A: MicroPort Ortho.
Mathew, Mathew T ..........................7A: MicroPort Ortho.
Mathew, Mathew T .........................7A: MicroPort Orthopedic Inc.
Mathey, Elizabeth .........................*Disclosed no conflict of interest.*
Mathieu, Colleen ............................*Disclosed no conflict of interest.*
Mathis, Kenneth .............................3B: Joint Development.
Mathis, Kenneth B. ..................3B: Joint Development.
Mathkar, Pranav .....................Disclosed no conflict of interest.
Matsubara, Shinji  Disclosed no conflict of interest.
Matsubara, Shinji .................Disclosed no conflict of interest.
Matsuda, Hideki ..................Disclosed no conflict of interest.
Matsuda, Hidetoshi .............Disclosed no conflict of interest.
Matsuda, Shuichi ................Disclosed no conflict of interest.
Matsui, Yuichiro ..................Disclosed no conflict of interest.
Matsui, Yuki ......................Disclosed no conflict of interest.
Matsumae, Gen ...................Disclosed no conflict of interest.
Matsumoto, Koji ..................Disclosed no conflict of interest.
Matsumoto, Morio ..............Disclosed no conflict of interest.
Matsumoto, Taro .................Disclosed no conflict of interest.
Matsumoto, Tomoyuki .........Disclosed no conflict of interest.
Matsunomi, Sansui ............Disclosed no conflict of interest.
Matsuoka, Masatake ...........Disclosed no conflict of interest.
Matsushita, Masaki ............Disclosed no conflict of interest.
Matsushita, Takehiko .........Disclosed no conflict of interest.
Matsuyama, Junya ..........Disclosed no conflict of interest.
Matsuyama, Yuki ..........Disclosed no conflict of interest.
Matta, Joel M. ..................Disclosed no conflict of interest.
Matthew, Robert P ............Disclosed no conflict of interest.
Mattingly, Brett ..........Disclosed no conflict of interest.
Matuska, Andrea ..........3A: Arthrex, Inc.
Matuszewski, Lucas-Maximilian  Disclosed no conflict of interest.
Mauck, Robert ..................8: RLM (8, JOR Spine), no other disclosures.
Mauck, Robert ..................8: Co-Editor for JOR Spine.
Mauck, Robert L .................8: JOR Spine.
Mauck, Robert L .................4: Mechano-Therapeutics LLC; 8: JOR Spine.
Mauck, Robert L.........................8: Co-Editor of JOR Spine.
Mauck, Robert L.....................Disclosed no conflict of interest.
Mauck, Roberto L....................8: JOR Spine.
Mayer, Bruce .........................Disclosed no conflict of interest.
Maza-Frechin, Mario.................Disclosed no conflict of interest.
Mazda, Osam.........................Disclosed no conflict of interest.
Mazda, Yusuke........................Disclosed no conflict of interest.
Mazuchi, Flavia A.S................Disclosed no conflict of interest.
Mazzari, Giulia......................Disclosed no conflict of interest.
Mbachi, Ephrion.....................Disclosed no conflict of interest.
Mbalaviele, Gabriel................3B: Aclaris Therapeutics, Inc.; 4: Aclaris Therapeutics, Inc.
McAlinden, Audrey...............8: Yes.
McAllister, Kyron................Disclosed no conflict of interest.
McAllister, Scott.................Disclosed no conflict of interest.
McBeath, Rowena................Disclosed no conflict of interest.
McBride-Gagyi, Sara.............Disclosed no conflict of interest.
McBroom, Trevor J................Disclosed no conflict of interest.
McCabe, Megan................Disclosed no conflict of interest.
McCarthy, Andrea..............Disclosed no conflict of interest.
McCarthy, Christina Teresa.....Disclosed no conflict of interest.
McCarthy, Helen E..............Disclosed no conflict of interest.
McCarthy, Stephanie M........Disclosed no conflict of interest.
McCarthy, Stephanie M........Disclosed no conflict of interest.
McCarthy, Thomas..............3A: Stryker employee; 4: Stryker Corp.
McCarty, Colin P...............Disclosed no conflict of interest.
McChesney, Grant R.............Disclosed no conflict of interest.
McClellan, Phillip..............Disclosed no conflict of interest.
McClendon, Mark...............Disclosed no conflict of interest.
McClincy, Michael ...............1: Elizur LLC.
McClincy, Michael P ...............Disclosed no conflict of interest.
McCloud, Darby ......................Disclosed no conflict of interest.
McClure, Michael .....................6: Musculoskeletal Transplant Foundation.
McClure, Michael J .....................6: MTF Biologics.
McCoo, Jillian L .......................Disclosed no conflict of interest.
McCoo, Jillian L .......................Disclosed no conflict of interest.
McCormack, Robert ....................Disclosed no conflict of interest.
McCormack, Thomas J ..................Disclosed no conflict of interest.
McCulloch, Patrick ....................Disclosed no conflict of interest.
McCutcheon, Sean .....................Disclosed no conflict of interest.
McDonald, Christopher ................Disclosed no conflict of interest.
McDowell IV, Thomas W ............3A: DePuy Synthes.
McDowell, Arthur J ...................Disclosed no conflict of interest.
McDowell, Susan M ..................Disclosed no conflict of interest.
McFadden, Erin .......................Disclosed no conflict of interest.
McFalone-Figueroa, Jennifer .........Disclosed no conflict of interest.
McGale, Jance G ......................Disclosed no conflict of interest.
McGee-Lawrence, Meghan .........Disclosed no conflict of interest.
McGee-Lawrence, Meghan E .......Disclosed no conflict of interest.
McGee-Lawrence, Meghan E .......Disclosed no conflict of interest.
McGowan, Alyssa M ..................Disclosed no conflict of interest.
McGrath, Brian .......................3B: Smith & Nephew.
McGrath, James ......................Disclosed no conflict of interest.
McGrath, Thomas M ..................Disclosed no conflict of interest.
McGrath, Tom .......................Disclosed no conflict of interest.
McGuire, Flynn ......................Disclosed no conflict of interest.
McHardy, Paul .......................Disclosed no conflict of interest.
McIiff, Terence E ...................Disclosed no conflict of interest.
McIlwraith, C Wayne ...............3B: Arthrex; 4: Advanced Regenerative Therapies.
McIlwraith, C. Wayne ..........................Disclosed no conflict of interest.
McIlwraith, Wayne ..........................Disclosed no conflict of interest.
McIver, Natalia ..............................Disclosed no conflict of interest.
McKenzie, Jennifer ..........................Disclosed no conflict of interest.
McKenzie, Jennifer A ..........................Disclosed no conflict of interest.
McMahon, Patrick J ..........................Disclosed no conflict of interest.
McMurry, Tim .................................Disclosed no conflict of interest.
McNamara, Laoise M ..........................Disclosed no conflict of interest.
McNamara, Stephanie L .......................Disclosed no conflict of interest.
McNary, PhD, Sean ............................Disclosed no conflict of interest.
McNeill, Tyler J ...............................Disclosed no conflict of interest.
McNulty, Amy .................................8: Connective Tissue Research.
McNulty, Amy L ...............................8: Connective Tissue Research.
McWalter, Emily J ..............................Disclosed no conflict of interest.
Mease, Joshua .................................Disclosed no conflict of interest.
Meckmongkol, Teerin ..........................Disclosed no conflict of interest.
Meehan, John .................................Disclosed no conflict of interest.
Meek, Wendy M ...............................Disclosed no conflict of interest.
Mehring, Noah J ...............................3A: DePuy Synthes.
Mehta, Amisha .................................Disclosed no conflict of interest.
Mehta, Bella .................................Disclosed no conflict of interest.
Mehta, Nabil .................................Disclosed no conflict of interest.
Mehta, Samir .................................Disclosed no conflict of interest.
Meldosian, Aileen L .........................Disclosed no conflict of interest.
Mell, Steven P .................................Disclosed no conflict of interest.
Mella, Giovanni ..............................Disclosed no conflict of interest.
Mellon, Stephen J .............................Disclosed no conflict of interest.
Melnic, Christopher M .......................Disclosed no conflict of interest.
Melo, Luana .................................Disclosed no conflict of interest.
Melvin, Patricia R .................. Disclosed no conflict of interest.
Menarim, Bruno C .................. Disclosed no conflict of interest.
Mendez, Melanie E .................. Disclosed no conflict of interest.
Meng, Weikun ........................ Disclosed no conflict of interest.
Mengoni, Marlène .................. 9: Board of director - VPH institute, UK chapter.
Mengsteab, Paulos Y ............... Disclosed no conflict of interest.
Menon, Nathan ........................ Disclosed no conflict of interest.
Menuey, Elizabeth M. ............... Disclosed no conflict of interest.
Mercer, Deana ........................ Disclosed no conflict of interest.
Mesfin, Addisu ........................ 5: AO Spine, Globus Medical.
Messamore, William ................ Disclosed no conflict of interest.
Messenger, Elizabeth D ........... Disclosed no conflict of interest.
Metcalf, Rory ........................ Disclosed no conflict of interest.
Metzger, Corinne E .................. Disclosed no conflict of interest.
Metzger, Gregory J .................. Disclosed no conflict of interest.
Meyer, Gretchen ..................... Disclosed no conflict of interest.
Meyer, Gretchen A .................. Disclosed no conflict of interest.
Meyers, Carolyn A .................. Disclosed no conflict of interest.
Meyers, James H .................... Disclosed no conflict of interest.
Meyler, Ella .......................... Disclosed no conflict of interest.
Meynen, Alexander .................. Disclosed no conflict of interest.
Miamidian, John ........................ 3A: Zimmer Biomet.
Miao, Zhen .......................... Disclosed no conflict of interest.
Michael, Getty ........................ Disclosed no conflict of interest.
Michalek, Arthur J .................. Disclosed no conflict of interest.
Michaud, John B ..................... Disclosed no conflict of interest.
Michel, Hassler ...................... 3A: Wright Medical Ltd.
Michel, Jonathan ………….. disclosed no conflict of interest.

Mickle, Alyssa R ……………… disclosed no conflict of interest.

Miclau III, Theodore ………… 3B: Amgen, Bone Therapeutics, Arquos, Surrozen, DePuy; 9: OTA.

Miclau, Theodore ……………… 3B: Arquos: Paid consultant; Stock or stock Options, Bone Therapeutics: Paid consultant, NXTSENS: Paid consultant, Surrozen: Paid consultant, Synthes: Paid consultant; 6: Globus Medical: Other financial or material support, KCI: Other financial or material support; 9: AO Foundation: Board or committee member, Baxter: Research support, Inman Abbott Society: Board or committee member, International Combined Orthopaedic Research Societies: Board or committee member, International Orthopaedic Trauma Association: Board or committee member, Orthopaedic Research Society: Board or committee member, Orthopaedic Trauma Association: Board or committee member, Osteosynthesis and Trauma Care Foundation: Board or committee member, , San Francisco General Hospital Foundation: Board or committee member.

Miclau, Theodore ……………… 3B: Amgen, Bone Therapeutics, Arquos, Surrozen, DePuy; 5: Baxter; 9: Inman Abbott, ICORS, Osteosynthesis & Trauma Care Foundation, AO Foundation/AO Research Institute Advisory Committee, iOTA.

Miclau, Theodore ……………… 3B: Arquos: Paid consultant; Stock or stock Options, Bone Therapeutics: Paid consultant, NXTSENS: Paid consultant, Surrozen: Paid consultant, Synthes: Paid consultant; 6: Baxter: Research support, Globus Medical: Other financial or material support, KCI: Other financial or material support, Stryker: Other financial or material support; 9: AO Foundation: Board or committee member, Inman Abbott Society: Board or committee member, International Combined Orthopaedic Research Societies: Board or committee member International Orthopaedic Trauma Association: Board or committee member, Orthopaedic Research Society: Board or committee member, Orthopaedic Trauma Association: Board or committee member, Osteosynthesis and Trauma Care Foundation: Board or committee member, , San Francisco General Hospital Foundation: Board or committee member.

Middendorf, Jill M …………… disclosed no conflict of interest.

Middleton, Emily ………….. disclosed no conflict of interest.

Midekssa, Firaol……………… disclosed no conflict of interest.

Midgaard, Kaare S……………… disclosed no conflict of interest.

Midtgaard, Kaare……………… disclosed no conflict of interest.

Mifune, Yutaka………………… disclosed no conflict of interest.

Migonney, Véronique ……….. disclosed no conflict of interest.

Miguez, Sofia …………………… disclosed no conflict of interest.

Miguez, Sofia M……………….. disclosed no conflict of interest.


Mihalko, William M ................ 1: Aesculap Inc; 3A: Stryker.

Mikkonen, Santtu .................... Disclosed no conflict of interest.

Mikos, Antonios ..................... Disclosed no conflict of interest.

Miles, Jon W. ....................... Disclosed no conflict of interest.

Miles, Jon Wesley ................... Disclosed no conflict of interest.

Millecamps, Magali ................. Disclosed no conflict of interest.

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

Miller, Andrew C ................... Disclosed no conflict of interest.

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

Miller, Benjamin C ................. Disclosed no conflict of interest.

Miller, Benjamin F ................... Disclosed no conflict of interest.

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

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

Miller, Kirsten C ................... Disclosed no conflict of interest.

Miller, M C .......................... Disclosed no conflict of interest.

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

Miller, Mark A ....................... Disclosed no conflict of interest.

Miller, Mark C ....................... Disclosed no conflict of interest.

Miller, Mark Carl ................... Disclosed no conflict of interest.
Miller, Rachel E .................................. Disclosed no conflict of interest.

Miller, Richard J .................................. Disclosed no conflict of interest.


Millett, Peter J .................................. 1: Arthrex, Medbridge royalties; 3B: Arthrex; 4: VuMedi; 5: Research supported by Steadman Philippon Research Institute - grant funding or in-kind donations from Arthrex, DJO, MLB, Ossur, Siemens, Canon, Smith & Nephew, Xtre & Dept of Defense.; 7B: Springer - book royalties.


Milligan, Ivy .................................. Disclosed no conflict of interest.

Milligan, Kenneth .................................. Disclosed no conflict of interest.

Minardi, Silvia .................................. Disclosed no conflict of interest.

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

Mingjian, Xu .................................. Disclosed no conflict of interest.


Minton, Dennis .................................. Disclosed no conflict of interest.

Mirochnik, Karina .................................. Disclosed no conflict of interest.

Mirza, Muhammad .................................. Disclosed no conflict of interest.

Mishima, Kenichi .................................. Disclosed no conflict of interest.

Mitchell, John .................................. Disclosed no conflict of interest.

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

Mithcell, John .................................. Disclosed no conflict of interest.

Mitra, Indranath .................................. Disclosed no conflict of interest.

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

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

Miura, Yugo .................................. Disclosed no conflict of interest.

Miyaji, Takahiro .................................. Disclosed no conflict of interest.
Miyaki, Shigeru .......................... Disclosed no conflict of interest.
Miyamoto, Hiroki .......................... Disclosed no conflict of interest.
Miyamoto, Tomohiro .......................... Disclosed no conflict of interest.
Miyata, Kazuhiro .......................... Disclosed no conflict of interest.
Miyatake, Kazumasa .......................... Disclosed no conflict of interest.
Miyazaki, Kunihiko .......................... Disclosed no conflict of interest.
Miyazaki, Ryo .......................... Disclosed no conflict of interest.
Miyazaki, Shingo .......................... Disclosed no conflict of interest.
Miyazaki, Takuji .......................... Disclosed no conflict of interest.
Mizera, Megan M .......................... Disclosed no conflict of interest.
Mizuno, Shuichi .......................... Disclosed no conflict of interest.
Mizuno, Yoshihiro .......................... Disclosed no conflict of interest.
Moatshe, Gilbert .......................... Disclosed no conflict of interest.
Modler, Niels .......................... Disclosed no conflict of interest.
Moeinzadeh, Seyedsina .......................... Disclosed no conflict of interest.
Moeser, Adam J .......................... Disclosed no conflict of interest.
Mohamed, Mohamed F .......................... Disclosed no conflict of interest.
Mohamed, Nequesha S. .......................... Disclosed no conflict of interest.
Mohammadi, Ali .......................... Disclosed no conflict of interest.
Mohanty, Ronak .......................... Disclosed no conflict of interest.
Mohanty, Sarthak .......................... Disclosed no conflict of interest.
Mojahed Yazdi, Reza .......................... Disclosed no conflict of interest.
Mojica Santiago, PhD, Jorge Alexis  Disclosed no conflict of interest.
Mok, Anthony .......................... Disclosed no conflict of interest.
Mok, Anthony C .......................... Disclosed no conflict of interest.
Mok, Chan Hee .......................... Disclosed no conflict of interest.
Molino, Janine .......................... Disclosed no conflict of interest.
Mologne, Timothy S .......................... 3B: JRF Ortho, Samumed; 5: JRF Ortho.
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Montemurro, Nicholas J ..........Disclosed no conflict of interest.
Montero, Angela..................Disclosed no conflict of interest.
Montgomery, Jessie A.............Disclosed no conflict of interest.
Montgomery, Liam ................Disclosed no conflict of interest.
Montgomery, Liam Anthony ......Disclosed no conflict of interest.
Moo, Eng Kuan....................Disclosed no conflict of interest.
Moody, Mikayla...................Disclosed no conflict of interest.
Moon, Hong Joo...................Disclosed no conflict of interest.
Mooney, David J ..................5: Novartis.
Mooney, Jake......................Disclosed no conflict of interest.
Moore, Douglas C ................Disclosed no conflict of interest.
Moore, Jacob A....................Disclosed no conflict of interest.
Moore, Joseph.....................Disclosed no conflict of interest.
Moore, Rebecca...................Disclosed no conflict of interest.
Moore, Shamika ...................Disclosed no conflict of interest.
Moore-Lotridge, Stephanie N ....Disclosed no conflict of interest.
Moorman, Claude..................Disclosed no conflict of interest.
Mora, Keshia......................Disclosed no conflict of interest.
Mora, Keshia E....................Disclosed no conflict of interest.
Moradi, Babak ....................Disclosed no conflict of interest.
Morales Yniguez, Francisco J ...Disclosed no conflict of interest.
Moran, Steven ....................Disclosed no conflict of interest.
Moran, Steven L..................Disclosed no conflict of interest.
Morberg, Per ......................Disclosed no conflict of interest.
Moré, Ari D.O.....................Disclosed no conflict of interest.
Moré, Ari D.O.....................Disclosed no conflict of interest.
Morejon, Andy ....................Disclosed no conflict of interest.
Moreno, Michael R ................Disclosed no conflict of interest.
Morgan, Elise F ...................7B: Journal of Biomechanics.
Morgan, Oliver........................................Disclosed no conflict of interest.
Mori, Akiyoshi........................................Disclosed no conflict of interest.
Mori, Naoko........................................Disclosed no conflict of interest.
Mori, Yu........................................Disclosed no conflict of interest.
Morioka, Kazuhiro ........................................Disclosed no conflict of interest.
Morioka, Yasuhide .................................3A: Shionogi Co Ltd.
Morita, Akira ........................................Disclosed no conflict of interest.
Morita, Erika ........................................Disclosed no conflict of interest.
Morita, Yugo .................................6: Amedica Co.
Morita, Yugo ........................................6: Amedica Co.
Morley, Christopher P ..............................Disclosed no conflict of interest.
Morosawa, Kazuma .................................Disclosed no conflict of interest.
Morozov, Katya........................................Disclosed no conflict of interest.
Morpeth, Brice ........................................Disclosed no conflict of interest.
Morris, Brandon ........................................Disclosed no conflict of interest.
Morris, Carol ........................................Disclosed no conflict of interest.
Morris, Matthew ........................................Disclosed no conflict of interest.
Morris, Randal ........................................Disclosed no conflict of interest.
Morris, Randal P ........................................Disclosed no conflict of interest.
Morrish, Benjamin ........................................Disclosed no conflict of interest.
Morrison, Courtney ........................................Disclosed no conflict of interest.
Morrison, Craig ........................................Disclosed no conflict of interest.
Morse, Kyle W. ........................................Disclosed no conflict of interest.
Morton, Amy M ........................................Disclosed no conflict of interest.
Moscinski, Catherine ........................................Disclosed no conflict of interest.
Mosher, Christopher Z ........................................Disclosed no conflict of interest.
Mosher, Christopher Z ........................................Disclosed no conflict of interest.
**Mosley, Grace E** ........................................... *Disclosed no conflict of interest.*

**Moss, Isaac L** ...........................................1: Spineart; 3B: Stryker, Biedermann Motech, ATEC; 4: Orthonz, Spinal Simplicity.

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**Mote, Kelly L** ...........................................3A: DePuy Synthes.

**Motomura, Goro** ...........................................*Disclosed no conflict of interest.*

**Mou, Yongchao** ...........................................*Disclosed no conflict of interest.*

**Moulton, Julia** ...........................................*Disclosed no conflict of interest.*

**Mourkioti, Foteini** ...........................................*Disclosed no conflict of interest.*

**Moutzouros, Vasilios** ...........................................*Disclosed no conflict of interest.*

**Mowry, Katie** ...........................................3A: Organogenesis.

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**Muehleman, Carol** ...........................................*Disclosed no conflict of interest.*


**Mueller, John P** ...........................................3A: Zimmer Biomet; 4: Zimmer Biomet.

**Mueller, Sebastian** ...........................................*Disclosed no conflict of interest.*

**Mueske, Nicole M.** ...........................................*Disclosed no conflict of interest.*


**Muir, Brittney C** ...........................................*Disclosed no conflict of interest.*

**Muir, Preeti J** ...........................................*Disclosed no conflict of interest.*

**Muirhead-Allwood, Sarah K** ...........................................*Disclosed no conflict of interest.*

**Mukherjee, Kaushik** ...........................................*Disclosed no conflict of interest.*

**Mukherjee, SataniK** ...........................................*Disclosed no conflict of interest.*

**Mukohara, Shintaro** ...........................................*Disclosed no conflict of interest.*

**Mukundan, Roshni** ...........................................*Disclosed no conflict of interest.*


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Mullen, Michael: Disclosed no conflict of interest.

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Mullen, Scott: 3B: Stryker.

Mulligan, Edward: Disclosed no conflict of interest.

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Mumith, Aadil: Disclosed no conflict of interest.

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Munro, Jacob T: Disclosed no conflict of interest.

Munsch, Maria Amelia: Disclosed no conflict of interest.

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Murakami, Hideki: Disclosed no conflict of interest.

Murakami, Koji: Disclosed no conflict of interest.

Murakawa, Yasuhiro: Disclosed no conflict of interest.

Muralidharan, Krishna: Disclosed no conflict of interest.

Murata, Daiki: Disclosed no conflict of interest.

Murata, Kenji: Disclosed no conflict of interest.

Murata, Yoichi: Disclosed no conflict of interest.


**Muratovic, Dzenita** ...............*Disclosed no conflict of interest.*

**Muriuki, Muturi** ....................*Disclosed no conflict of interest.*

**Murphy, Lance A.** ...............*Disclosed no conflict of interest.*

**Murphy, Meredith** ..................*Disclosed no conflict of interest.*

**Murray, David W.** .................3B: Zimmer Biomet; 5: Zimmer Biomet; 7A: Zimmer Biomet.

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

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**Murray, Martha M** .................4: MMM is an equity holder in MIACH Orthopaedics.; 7B: MMM receives royalties from Springer Publishing.


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**Musahl, Volker** ....................7B: Smith & Nephew, Arthrex, Depuy Synthes, Conmed, Springer.

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**Musson, David S** ...................*Disclosed no conflict of interest.*

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

**Muthukrishnan, Gowrishankar** .*Disclosed no conflict of interest.*

**Mutreja, Isha** ......................*Disclosed no conflict of interest.*

**Mwale, Jackson** ...................*Disclosed no conflict of interest.*

**Myers, Casey** .......................*Disclosed no conflict of interest.*

**Myers, Casey A** ....................*Disclosed no conflict of interest.*

**Myers, Erik** .........................*Disclosed no conflict of interest.*

**Myers, Kristin M** ..................*Disclosed no conflict of interest.*

**Nabeki, Shogo** ......................*Disclosed no conflict of interest.*

**Nadeau, Elizabeth** ...............*Disclosed no conflict of interest.*

**Nadesan, Puviindran** ............*Disclosed no conflict of interest.*
Nagai, Kanto .......................... Disclosed no conflict of interest.
Nagamine, Ryuji ........................ Disclosed no conflict of interest.
Nagamune, Kouki ...................... Disclosed no conflict of interest.
Naganuma, Yasushi .................... Disclosed no conflict of interest.
Nagata, Sanae ........................ Disclosed no conflict of interest.
Nagata, Tadashi ....................... Disclosed no conflict of interest.
Nagel, Thomas ......................... Disclosed no conflict of interest.
Nagelli, Christopher .................. Disclosed no conflict of interest.
Nagura, Takeo ......................... Disclosed no conflict of interest.
Naito, Yohei .......................... Disclosed no conflict of interest.
Nakagaki, Sumika ..................... Disclosed no conflict of interest.
Nakagawa, Koichi ..................... Disclosed no conflict of interest.
Nakagawa, Shinsuke ................... Disclosed no conflict of interest.
Nakagawa, Shuji ...................... Disclosed no conflict of interest.
Nakagawa, Yusuke .................... Disclosed no conflict of interest.
Nakahara, Ichiro ..................... Disclosed no conflict of interest.
Nakajima, Kosei ...................... Disclosed no conflict of interest.
Nakajima, Shun ....................... Disclosed no conflict of interest.
Nakamura, Hiroaki ................... Disclosed no conflict of interest.
Nakamura, Kunio ..................... Disclosed no conflict of interest.
Nakamura, Mary ...................... Disclosed no conflict of interest.
Nakamura, Masaya ................... Disclosed no conflict of interest.
Nakamura, Nariaki ................... Disclosed no conflict of interest.
Nakamura, Takayuki ................. 3A: Employee of Johnson and Johnson (DePuy); 4: Stockholder of Johnson and Johnson.
Nakamura, Tomomasa ............... Disclosed no conflict of interest.
Nakanishi, Kazuyoshi ............... Disclosed no conflict of interest.
Nakanishi, Yuta ....................... Disclosed no conflict of interest.
Nakano, Naoki ....................... Disclosed no conflict of interest.
Nakasa, Tomoyuki ................... Disclosed no conflict of interest.
Nakashima, Daisuke .................. Disclosed no conflict of interest.
Nakashima, Iris .................... Disclosed no conflict of interest.
Nakashima, Yasuharu .............. Disclosed no conflict of interest.
Nakasone, Aaron .................. Disclosed no conflict of interest.
Nakata, Ken ......................... Disclosed no conflict of interest.
Nakayama, Koichi .................. Disclosed no conflict of interest.
Nakazawa, Takahiro ............... 3A: AnGes Inc.
Nakonezny, Paul ................... Disclosed no conflict of interest.
Nakonezny, Paul A ................ Disclosed no conflict of interest.
Nalbach, Mathis ................... Disclosed no conflict of interest.
Nam, Denis ......................... Disclosed no conflict of interest.
Nam, Gun Woo ..................... Disclosed no conflict of interest.
Nam, Jin Woo ...................... Disclosed no conflict of interest.
Nambiar, Pallavi ................... Disclosed no conflict of interest.
Nambu, Satya ...................... 3A: MicroPort Orthopedics.
Namdari, Surena ................... Disclosed no conflict of interest.
Nammour, Michael ................. Disclosed no conflict of interest.
Naofal, Aamer ..................... Disclosed no conflict of interest.
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Narayanan, Ramani ............... Disclosed no conflict of interest.
Narayanan, Suresh ............... Disclosed no conflict of interest.
Nasamran, Chanond A ............ Disclosed no conflict of interest.
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Nasser, Philip ...................... Disclosed no conflict of interest.
Nauman, Eric A ................... Disclosed no conflict of interest.
Nauth, Aaron ...................... 2: Stryker, Synthes; 3B: Toronto Blue Jays; 5: Stryker, Synthes, Zimmer, Wright Medical, Smith & Nephew; 9: Chair of Basic Science Committee, OTA.
Nazal, Mark R ..................... Disclosed no conflict of interest.
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Nazemi, Alireza .......................... Disclosed no conflict of interest.
Nazemi, Alireza K. ..................... Disclosed no conflict of interest.
Nazemi, Alireza Kaveh ............... Disclosed no conflict of interest.
Neal, Craig J .......................... Disclosed no conflict of interest.
Neal, Kelsey .......................... Disclosed no conflict of interest.
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Nedrelow, David ....................... Disclosed no conflict of interest.
Negishi, Keisuke ...................... Disclosed no conflict of interest.
Negri, Stefano ......................... Disclosed no conflict of interest.
Neidlinger-Wilke, Cornelia ........ Disclosed no conflict of interest.
Nellans, Kate W ....................... Disclosed no conflict of interest.
Nelson, Anna-Laura .................. Disclosed no conflict of interest.
Nelson, Brad B ........................ Disclosed no conflict of interest.
Nelson, Bradley J ..................... Disclosed no conflict of interest.
Nelson, Fred .......................... 7B: Elsevier royalties.
Nelson, Stephen P ...................... Disclosed no conflict of interest.
Nemke, Brett .......................... Disclosed no conflict of interest.
Neo, Masashi .......................... Disclosed no conflict of interest.
Neral, Mithun .......................... Disclosed no conflict of interest.
Neri, John ............................. Disclosed no conflict of interest.
Neto, Mozart Queiroz ................ Disclosed no conflict of interest.
Neu, Corey P .......................... Disclosed no conflict of interest.
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Newcomb, Nicholas .......................Disclosed no conflict of interest.
Newcomb, Nicholas L.....................Disclosed no conflict of interest.
Newhouse, Alexander ....................Disclosed no conflict of interest.
Newhouse, Alexander C..................Disclosed no conflict of interest.
Newman, Harrah ..........................Disclosed no conflict of interest.
Newman, Simon ...........................3B: Orthonika.
Ng, Geoffrey ..............................Disclosed no conflict of interest.
Ng, Martin .................................Disclosed no conflict of interest.
Ng, Mitchell ...............................Disclosed no conflict of interest.
Ngo, Lucy .................................Disclosed no conflict of interest.
Nguyen, Julie ..............................Disclosed no conflict of interest.
Nguyen, Lich Thi .........................Disclosed no conflict of interest.
Nguyen, Matthew H ......................Disclosed no conflict of interest.
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Nguyen, Phong K ..........................Disclosed no conflict of interest.
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Nichenko, Anna ................................................................. Disclosed no conflict of interest.
Nichols, Anne E.C. .......................................................... Disclosed no conflict of interest.
Nichols, Jennifer ................................................................. Disclosed no conflict of interest.
Nichols, Jennifer A ......................................................... Disclosed no conflict of interest.
Nichols, Luke ......................................................................................... Disclosed no conflict of interest.
Nicholson, Gregory P ................................................................. 1: Innomed, Wright Medical Technology; 2: Arthrosurface; 3B: Tornier, Arthrosurface; 9: ASES.
Nicolaides, Marios ................................................................. Disclosed no conflict of interest.
Nicolozakes, Constantine ........................................................ Disclosed no conflict of interest.
Niedermair, Tanja ................................................................................ Disclosed no conflict of interest.
Niederoest, Barbara ........................................................................ Disclosed no conflict of interest.
Nielsen, Gunnlaugur P ............................................................. Disclosed no conflict of interest.
Nielsen, Jeffery J ................................................................................ 3A: Novosteo Inc.
Nielson, Clark R. ................................................................................ Disclosed no conflict of interest.
Nieminen, Petteri ................................................................................ Disclosed no conflict of interest.
Niesen, Abigail .................................................................................... Disclosed no conflict of interest.
Nigam, Aman ....................................................................................... Disclosed no conflict of interest.
Niikura, Takahiro .............................................................................. Disclosed no conflict of interest.
Niki, Yasuo .................................................................................... Disclosed no conflict of interest.
Nikolaou, Sia ................................................................................ Disclosed no conflict of interest.
Nims, Robert J ................................................................................... Disclosed no conflict of interest.
Nimura, Akimoto ........................................................................ Disclosed no conflict of interest.
Ning, Bohao ................................................................................ Disclosed no conflict of interest.
Ninomiya, James T ........................................................................ Disclosed no conflict of interest.
Ninomiya, Mark J ........................................................................ Disclosed no conflict of interest.
Nishida, Kazuya ........................................................................ Disclosed no conflict of interest.
Nishida, Kotaro ................................................................................ Disclosed no conflict of interest.
Nishida, Kyohei ................................................................................ Disclosed no conflict of interest.
Nishida, Yasuhiro ........................................................................ Disclosed no conflict of interest.
Nishida, Yohei disclosed no conflict of interest.

Nishida, Yoshihiro disclosed no conflict of interest.

Nishimoto, Hanako disclosed no conflict of interest.

Nishimura, Akinobu disclosed no conflict of interest.

Nishine, Jun disclosed no conflict of interest.

Nishio, Megumi disclosed no conflict of interest.

Nishizawa, Kohei disclosed no conflict of interest.

Nishtala, Sita Nirupama disclosed no conflict of interest.

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Nodzo, Scott R disclosed no conflict of interest.

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Nolte, Philip-Christian 5: Research grants from Arthrex Inc.; 6: Fellowship sponsored by Arthrex Inc.

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Norman, Elizabeth disclosed no conflict of interest.

Norman, Elizabeth H disclosed no conflict of interest.

Norman, Timothy L disclosed no conflict of interest.

Norton, Andrew disclosed no conflict of interest.
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Novais, Eduardo  
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Nowak, Lauren  
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Nowlan, Niamh C  
Disclosed no conflict of interest.

Nuckley, David J  
3A: Stryker Spine.

Nukuto, Koji  
Disclosed no conflict of interest.

Numaguchi, Kyosuke  
Disclosed no conflict of interest.

Nunley, Brandon S  
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Nuss, Courtney A  
Disclosed no conflict of interest.

Nwachuku, Chineny O  
Disclosed no conflict of interest.

Nyayapati, Priya  
Disclosed no conflict of interest.

Oba, Hiroki  
Disclosed no conflict of interest.

Oba, Masatoshi  
Disclosed no conflict of interest.

Obeidat, Alia M  
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Oberley-Deegan, Rebecca  
3C: BioMimetix.

Obioha, Obianuju  
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O’Brien, Fergal J  

O’Brien, Luke  
Disclosed no conflict of interest.

Öbrink-Hansen, Kristina  
Disclosed no conflict of interest.

Ocampo Moré, Ari Digiácomo  
Disclosed no conflict of interest.

Ochiai, Satoshi  
Disclosed no conflict of interest.

Ockerhausen, Hayley G  
Disclosed no conflict of interest.

Ocksrider, Justin  
Disclosed no conflict of interest.

O’Connell, Grace  
Disclosed no conflict of interest.

O’Connor, Daniel  
Disclosed no conflict of interest.

O’Connor, J. Patrick  
Disclosed no conflict of interest.
Oda, Eimi ............................. Disclosed no conflict of interest.
Oda, Takahiro .......................... Disclosed no conflict of interest.
O'Donnell, Benjamen .................. Disclosed no conflict of interest.
O'Donnell, Evan A ..................... Disclosed no conflict of interest.
O'Donnell, Ryan ....................... Disclosed no conflict of interest.
O'Donoghue, Cristina M .............. Disclosed no conflict of interest.
O'Driscoll, Caitriona M ............... Disclosed no conflict of interest.
Odum, Susan ........................... Disclosed no conflict of interest.
Oe, Keisuke .............................. Disclosed no conflict of interest.
Oest, Megan ............................ Disclosed no conflict of interest.
Oest, Megan E ........................... Disclosed no conflict of interest.
Oest, Megan E ........................... Disclosed no conflict of interest.
Oestreich, Arin K. ....................... Disclosed no conflict of interest.
Oganesyan, Ruben ...................... Disclosed no conflict of interest.
Ogihara, Naomichi ..................... Disclosed no conflict of interest.
Ogle, Molly E ........................... Disclosed no conflict of interest.
Ogon, Izaya .............................. Disclosed no conflict of interest.
Oguchi, Akiko ........................... Disclosed no conflict of interest.
Oh, Irvin ................................. 1: Innomed.
Oh, Joo Han ............................. Disclosed no conflict of interest.
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Oh, Seoghyun ............................ Disclosed no conflict of interest.
O'Hara, Kelsey ........................... Disclosed no conflict of interest.
O'Hara, Kelsey M ....................... Disclosed no conflict of interest.
Ohashi, Yoshifumi ...................... Disclosed no conflict of interest.
Ohkoshi, Yasumitsu ..................... Disclosed no conflict of interest.
Ohnishi, Hiroki .......................... Disclosed no conflict of interest.
Ohno, Kinji .............................. Disclosed no conflict of interest.
Ohta, Daichi .......................... Disclosed no conflict of interest.
Ohtori, Seiji ........................... Disclosed no conflict of interest.
Oichi, Takeshi .......................... Disclosed no conflict of interest.
Oishi, Ryuta ............................. Disclosed no conflict of interest.
Oishi, Takayuki .......................... Disclosed no conflict of interest.
Ojanen, Simo P .......................... Disclosed no conflict of interest.
Oka, Yuichiro ............................. Disclosed no conflict of interest.
Okada, Mitsuhiro .......................... Disclosed no conflict of interest.
Okada, Yohei ............................... Disclosed no conflict of interest.
Okamoto, Yoshihiro .......................... Disclosed no conflict of interest.
Okamoto, Yoshinori .......................... Disclosed no conflict of interest.
Okano, Ichiro .............................. Disclosed no conflict of interest.
Okanouchi, Noriya .......................... Disclosed no conflict of interest.
Okawa, Atsushi ............................. Disclosed no conflict of interest.
Okawa, Atushi .............................. Disclosed no conflict of interest.
Okawara, Hiroki ............................. Disclosed no conflict of interest.
Okayoshi, Tomohiro .......................... Disclosed no conflict of interest.
Okazaki, Ken .............................. Disclosed no conflict of interest.
O’Keefe, Regis .............................. Disclosed no conflict of interest.
O’Keefe, Regis J .............................. 7A: Fate Therapeutics; 8: Bone; 9: AOA.
Okewunmi, Jeffrey .......................... Disclosed no conflict of interest.
Oki, Hiroharu .............................. Disclosed no conflict of interest.
Okubo, Atsushi .............................. Disclosed no conflict of interest.
Okubo, Taketo .............................. Disclosed no conflict of interest.
Oladeji, Lasun O ............................ Disclosed no conflict of interest.
Oláh, Tamás ............................... Disclosed no conflict of interest.
Olendorf, Narcisa .......................... 3A: Orthopedic Analysis.
Oliver, David .............................. Disclosed no conflict of interest.
Olson, Brooke .............................. Disclosed no conflict of interest.
Olson, Lucas C ............................. Disclosed no conflict of interest.
Olson, Steven……………………5: Depuy Synthes.
Olaszewski, Adam………………Disclosed no conflict of interest.
Oluyede, Dami O………………Disclosed no conflict of interest.
O’Malley, Michael………………Disclosed no conflict of interest.
Omari, Ali……………………Disclosed no conflict of interest.
Ominskey, Michael S.…………3A: Radius Health Inc; 4: Radius Health Inc.
Omoto, Takenori………………Disclosed no conflict of interest.
Onishi, Kentaro………………Disclosed no conflict of interest.
Onishi, Soichi………………Disclosed no conflict of interest.
Önnerfjord, Patrik………………Disclosed no conflict of interest.
Onodera, Tomohiro……………5: Shionogi Co Ltd.
Onotera, Tomohiro……………Disclosed no conflict of interest.
Onuma, Hiroaki………………Disclosed no conflict of interest.
Onyekwere, Ikenna……………Disclosed no conflict of interest.
Onyeukwu, Chukwudi………Disclosed no conflict of interest.
Opperman, Angelica…………Disclosed no conflict of interest.
Oral, Ebru……………………1: Corin, Stryker, Iconacy, Renovis, ConforMIS, Meril Healthcare, Exactech.
Oral, Ebru……………………1: Corin, Stryker, Iconacy, Renovis, Arthrex, Conformis, Meril Healthcare, Exactech.
Orava, Heta………………Disclosed no conflict of interest.
Oravec, Daniel………………Disclosed no conflict of interest.
Orbay, Jorge………………Disclosed no conflict of interest.
Ordonez Diaz, Tamara……Disclosed no conflict of interest.
Ordway, Nathaniel R…………5: AgNovos Healthcare.
Orías, Alejandro A Espinoza…..Disclosed no conflict of interest.
Orita, Kumi………………Disclosed no conflict of interest.
Orland, Keith J.………………Disclosed no conflict of interest.
Orozo, Fabio………………3B: Stryker.
Orozco, Gustavo………………Disclosed no conflict of interest.
Orton, Kevin .................................................................. Disclosed no conflict of interest.
Osborn, Michelle L ........................................ Disclosed no conflict of interest.
Osei, David ................................................................. Disclosed no conflict of interest.
Oshima, Yasushi ....................................................... Disclosed no conflict of interest.
Osterhage, Wyatt W ................................................ Disclosed no conflict of interest.
Osterhed, Elin ............................................................ Disclosed no conflict of interest.
Oswald, Sara J ............................................................ Disclosed no conflict of interest.
Ota, Masahiro ............................................................ Disclosed no conflict of interest.
Ota, Mitsutoshi ........................................................... Disclosed no conflict of interest.
Otani, Shunya ............................................................ Disclosed no conflict of interest.
Otani, Toshiro ............................................................ Disclosed no conflict of interest.
Otero, Jesse E ............................................................ 3B: DePuy.
Otero, Miguel ............................................................ 3B: Regeneron Pharmaceuticals; 5: Tissue Genesis Inc.
Otsuki, Shuhei ........................................................... Disclosed no conflict of interest.
Ott, Jeff .................................................................. 3A: Biorez.
Ott, Kelly ................................................................. Disclosed no conflict of interest.
Ouellet, Jean ............................................................. Disclosed no conflict of interest.
Outerleys, Jereme B ................................................ Disclosed no conflict of interest.
Overman, Steven ...................................................... 3B: KenSci, Inc.
Owen, John R ............................................................. Disclosed no conflict of interest.
Owen, Mark .............................................................. Disclosed no conflict of interest.
Owens, Brett ............................................................. Disclosed no conflict of interest.
Owens, Brett D ........................................................ 3B: Mitek, Conmed, Vericel, Miach; 4: Vivorte; 5: Arthrex, Mitek, MTF; 7A: Conmed.
Owens, Johnny ......................................................... 3B: 3B.
Owhonda, Rebisi ...................................................... Disclosed no conflict of interest.
Oyama, Kazuki ......................................................... Disclosed no conflict of interest.
Oyama, Ryunosuke ................................................ Disclosed no conflict of interest.
Oyama, Shohei..........................Disclosed no conflict of interest.
Ozaki, Toshifumi ......................Disclosed no conflict of interest.
Ozeki, Nobutake .......................Disclosed no conflict of interest.
Ozevin, Didem ..........................Disclosed no conflict of interest.
Ozone, Kaichi ..........................Disclosed no conflict of interest.
Pekala, Jakub R. ........................Disclosed no conflict of interest.
Pekala, Przemyslaw A .................Disclosed no conflict of interest.
Pacheco, Marguerite Aurora ......Disclosed no conflict of interest.
Pacheco, Yan C ........................Disclosed no conflict of interest.
Pacheco, Yan Carlos ..................Disclosed no conflict of interest.
Pacicca, Donna .......................9: ORS Chair of Public Outreach.
Packer, Samuel .......................Disclosed no conflict of interest.
Padgaonkar, Adit ......................Disclosed no conflict of interest.
Padilla, Alicia ........................3A: Orthopedic Analysis.
Paez, Conner C .......................Disclosed no conflict of interest.
Pafitanis, Georgios ..................Disclosed no conflict of interest.
Pagani, Chase .......................Disclosed no conflict of interest.
Paglia, David ..........................Disclosed no conflict of interest.
Paglia, David N ......................Disclosed no conflict of interest.
Pal, Deepanwita ......................Disclosed no conflict of interest.
Palacios, Pablo .......................Disclosed no conflict of interest.
Palmer, Ian ..........................3A: Globus Medical Sales Representative.
Palmer, Matthew ....................3A: Stryker.
Pan, Chi-chun .......................Disclosed no conflict of interest.
Pan, Dongfeng .......................Disclosed no conflict of interest.
Pan, Haiying .......................Disclosed no conflict of interest.
Panchapakesan, Karuna ..........Disclosed no conflict of interest.
Pandya, Shivani .....................Disclosed no conflict of interest.
Panebianco, Christopher J ........Disclosed no conflict of interest.
Pang, Henry ..........................Disclosed no conflict of interest.
Pannell, William C .................Disclosed no conflict of interest.
Pannellini, Tania .....................Disclosed no conflict of interest.
Panos, Joseph A ....................Disclosed no conflict of interest.
Paoli, Allison ........................Disclosed no conflict of interest.
Papadopoulos, Dimitrios ..........Disclosed no conflict of interest.
Papannagari, Ramprasad ........3A: Smith + Nephew; 4: Smith + Nephew.
Pape, Dietrich .......................Disclosed no conflict of interest.
Pape, Hans-Christoph ..............Disclosed no conflict of interest.
Para, Ashok .........................Disclosed no conflict of interest.
Parada, Stephen A. ...............3B: Arthrex, Inc, Exactech, Inc; 5: Exactech, Inc; 9: Committee member for AAOS, Committee member for ASES.
Paradiso, Francesca ...............Disclosed no conflict of interest.
Parajuli, Ashutosh .................Disclosed no conflict of interest.
Parajuli, Dikshya ..................Disclosed no conflict of interest.
Parduhn, Charlie ...................3A: Zimmer Biomet.
Pare, Daniel W. .....................Disclosed no conflict of interest.
Pareek, Ayoosh .....................Disclosed no conflict of interest.
Parekh, Jesal N ......................Disclosed no conflict of interest.
Parekh, Selene G. ..................Disclosed no conflict of interest.
Parente, James .....................Disclosed no conflict of interest.
Paris, Sebastian ...................Disclosed no conflict of interest.
Parisi, Daniele .....................Disclosed no conflict of interest.
Park, Dongsu .......................Disclosed no conflict of interest.
Park, Gayoung .....................Disclosed no conflict of interest.
Park, Hyeon .........................3A: Theradaptive, Inc.
Park, Hyung Bin ....................Disclosed no conflict of interest.
Park, Jeannie .......................Disclosed no conflict of interest.
Park, Joo Hyun ...........................................Disclosure no conflict of interest.
Park, Joshua YK ...........................................Disclosure no conflict of interest.
Park, Kwang Hwan ...........................................Disclosure no conflict of interest.
Park, Na Rae ...........................................Disclosure no conflict of interest.
Park, Sang-Hyun ...........................................5: DePuy Orthopaedics, Orthofix, Microport, Nuvasive, NIH.
Park, Seok-hee ...........................................Disclosure no conflict of interest.
Park, Suk-Hee ...........................................Disclosure no conflict of interest.
Park, Won-Hee ...........................................Disclosure no conflict of interest.
Park, Young-Eun ...........................................Disclosure no conflict of interest.
Parker, Dana M ...........................................Disclosure no conflict of interest.
Parker, Emily ...........................................Disclosure no conflict of interest.
Parks, Brent ...........................................1: Arthrex, Inc: IP royalties; DARCO: IP royalties; DJ Orthopaedics: IP royalties; Foot and Ankle International: Editorial or governing board; Zimmer: IP royalties.
Parks, Russell ...........................................Disclosure no conflict of interest.
Parola, Lauren R ...........................................Disclosure no conflict of interest.
Parson, Jacob ...........................................Disclosure no conflict of interest.
Partain, Brittany D ...........................................Disclosure no conflict of interest.
Parthasarathy, Gautam ...........................................Disclosure no conflict of interest.
Partridge, Simon ...........................................Disclosure no conflict of interest.
Parvaresh, Kevin ...........................................Disclosure no conflict of interest.
Parvaresh, Kevin C ...........................................Disclosure no conflict of interest.
Parvizi, Javad ...........................................Disclosure no conflict of interest.
Pascual-Garrido, Cecilia .........................5: Sanofi, OREF, Zimmer.
Pascual-Garrido, Cecilia .........................5: AOSSM/Sanofi, OREF, Zimmer.
Pascule, William ...........................................Disclosure no conflict of interest.
Pasieka, Pawel Melchior ...........................................Disclosure no conflict of interest.
Pastinen, Tomi ...........................................Disclosure no conflict of interest.
Patel, Anand ...........................................Disclosure no conflict of interest.
Patel, Jay M ...........................................3B: NovoPedics.
Patel, Jay M. .................. Disclosed no conflict of interest.
Patel, Karan .................. Disclosed no conflict of interest.
Patel, Neel .................. Disclosed no conflict of interest.
Patel, Roosheel ............... Disclosed no conflict of interest.
Patel, Urvi J. .................. Disclosed no conflict of interest.
Patel, Vaidehi .................. Disclosed no conflict of interest.
Patel, Vikas .................. Disclosed no conflict of interest.
Patmon, Darin L. ............... Disclosed no conflict of interest.
Patterson, Matthew ............ Disclosed no conflict of interest.
Patton, Daniella M. ............ Disclosed no conflict of interest.
Patwardhan, Avinash ........... Disclosed no conflict of interest.
Paul, Ranjan Rashmi .......... Disclosed no conflict of interest.
Paulus, Megan ................. Disclosed no conflict of interest.
Pavan, Mauro .................. 3A: Fidia Farmaceutici.
Pavlesen, Sonja ................ Disclosed no conflict of interest.
Payne, Christopher .......... Disclosed no conflict of interest.
Payne, Emma .................. Disclosed no conflict of interest.
Payne, Karin .................. Disclosed no conflict of interest.
Paziewski, Mateusz P .......... Disclosed no conflict of interest.
Pearl, Matthew ................. Disclosed no conflict of interest.
Peddada, MD, Kranti .......... Disclosed no conflict of interest.
Peddinti, Pranav .............. Disclosed no conflict of interest.
Pederson, Alisha P ............ Disclosed no conflict of interest.
Pedoia, Valentina ............. 5: GE Healthcare.
Peebles, Liam A ............... Disclosed no conflict of interest.
Peelor III, Frederick F ........ Disclosed no conflict of interest.
Pei, Shaopeng ................. Disclosed no conflict of interest.
Peipert, Leah J............................................Disclosed no conflict of interest.
Pellegrini, Jr., Vincent D.........................Disclosed no conflict of interest.
Pelletier, Matthew..............................Disclosed no conflict of interest.
Peloquin, John......................................Disclosed no conflict of interest.
Penaranda, David.................................Disclosed no conflict of interest.
Penatzer, Julia......................................Disclosed no conflict of interest.
Peng, Yun...............................................3A: NuVasive.
Pensworth, Joel.................................Disclosed no conflict of interest.
Peredo, Ana P........................................Disclosed no conflict of interest.
Pérez-Bellmunt, Albert........................Disclosed no conflict of interest.
Perier-Metz, Camille.............................Disclosed no conflict of interest.
Pernseiner, Ashley N.........................Disclosed no conflict of interest.
Pernstineapol, Ashley N......................Disclosed no conflict of interest.
Peroglio, Marianna.............................Disclosed no conflict of interest.
Perreault, Eric J....................................Disclosed no conflict of interest.
Persons, Amanda L..............................S: Acadia Pharmaceuticals, Inc.
Persson, Andreas...............................Disclosed no conflict of interest.
Pervaiz, Sahir S....................................Disclosed no conflict of interest.
Peterson, Andrew...............................Disclosed no conflict of interest.
Peterson, Andrew C............................Disclosed no conflict of interest.
Peterson, Anna K.................................Disclosed no conflict of interest.
Peterson, Joshua.................................3A: Stryker.
Peterson, Sara.................................Disclosed no conflict of interest.
Peterson, William...............................Disclosed no conflict of interest.
Pezzanite, Lynn.................................Disclosed no conflict of interest.
Pfannkuche, Judith J............................Disclosed no conflict of interest.
Pfeifer, Charlotte...............................Disclosed no conflict of interest.
Pfeifer, Roman.................................Disclosed no conflict of interest.
Pfeiffenberger, Moritz ..........Disclosed no conflict of interest.
Pferdehirt, Lara ..................Disclosed no conflict of interest.
Pham, Christine T.N. ..........Disclosed no conflict of interest.
Pham, Christine TN ............Disclosed no conflict of interest.
Pham, Nguyen ..................Disclosed no conflict of interest.
Phan, Amy ......................Disclosed no conflict of interest.
Phan, Eileen .....................Disclosed no conflict of interest.
Philippon, Marc J ..............Disclosed no conflict of interest.


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


Phillips, Matthew ..............2: Stryker.

Phillips, Nikki ..................Disclosed no conflict of interest.

Phillips, Tammy E ...............Disclosed no conflict of interest.

Phu, Tuan .......................Disclosed no conflict of interest.
Piche, Nicolas ..................Disclosed no conflict of interest.
Piedra, Victor ..................Disclosed no conflict of interest.
Piedrahita, Jorge A ...........Disclosed no conflict of interest.
Pierce, Kirk ......................Disclosed no conflict of interest.
Pierre, Kinsley ..................Disclosed no conflict of interest.

Pinpin, Camille ..................Disclosed no conflict of interest.
Pinto, Christopher .............Disclosed no conflict of interest.
Pinto, Otavio T ..................Disclosed no conflict of interest.
Pirkle, Sean .....................Disclosed no conflict of interest.
Pirkle, Sean C ..................Disclosed no conflict of interest.
Pirosa, Alessandro .................. Disclosed no conflict of interest.
Pitcairn, Samuel .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Piuzzi, Nicolas S .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Pitcairn, Samuel W .................. Disclosed no conflict of interest.
Pitsillides, Andrew .................. Disclosed no conflict of interest.
Piuzzi, Nicolas .................. Disclosed no conflict of interest.
Popchak, Adam J. Disclosed no conflict of interest.
Popovich, Jr., John M. Disclosed no conflict of interest.
Poppe, Tanner Disclosed no conflict of interest.
Porporati, Alessandro A. 3A: CeramTec, GmbH.
Porter, Annie Disclosed no conflict of interest.
Porter, Susan 4: PolyNovo, Inc.
Portilla, Gabriela Disclosed no conflict of interest.
Portney, Daniel A. Disclosed no conflict of interest.
Posey, Samuel L. Disclosed no conflict of interest.
Post, Austin Disclosed no conflict of interest.
Postolka, Barbara Disclosed no conflict of interest.
Potter, Barrett G. Disclosed no conflict of interest.
Potter, Benjamin Disclosed no conflict of interest.
Potter, Hollis G. 5: Receive institutional research support from GE Healthcare.
Potter, James Disclosed no conflict of interest.
Potter, Ryan S. Disclosed no conflict of interest.
Potts, Jesse Disclosed no conflict of interest.
Pourzal, Robin 5: Zimmer Biomet.
Pourzal, Robin 5: Zimmer-Biomet.
Pourzal, Robin 5: Zimmer.
Pozzi, Federico Disclosed no conflict of interest.
Prabhakar, Pooja Disclosed no conflict of interest.
Premkumar, Ajay 7B: Elsevier.
Presciutti, Steven Disclosed no conflict of interest.
Presson, Bradley Disclosed no conflict of interest.
Price, Taylor Disclosed no conflict of interest.
Price, Taylor M. Disclosed no conflict of interest.
Price, Taylor M. Disclosed no conflict of interest.
Priddy, Lauren B. Disclosed no conflict of interest.

Prince, Nicole Disclosed no conflict of interest.

Prithviraj, Sujeethkumar Disclosed no conflict of interest.

Probst, Julian Disclosed no conflict of interest.

Proctor, Ashley Disclosed no conflict of interest.

Provaggi, Elena 3A: Orthonika; 4: Orthonika.

Provencher, Benjamin Disclosed no conflict of interest.


Prüch, Elena 3A: Active Implants LLC, 6060 Primacy Parkway, Suite 460, Memphis, TN, USA.

Pryce, Brian A Disclosed no conflict of interest.

Pucha, Krishna Disclosed no conflict of interest.

Puetzer, Jennifer Disclosed no conflict of interest.

Puetzer, Jennifer L Disclosed no conflict of interest.

Puetzer, Jennifer L. Disclosed no conflict of interest.

Pugely, Andrew J Disclosed no conflict of interest.

Pulasani, Sai Disclosed no conflict of interest.

Pullen, Nicholas Disclosed no conflict of interest.

Purdy, Kayla Disclosed no conflict of interest.

Purmessur, Devina Disclosed no conflict of interest.

Pust, Taylor M Disclosed no conflict of interest.

Qi, Jun Disclosed no conflict of interest.

Qi, Xinyu Disclosed no conflict of interest.

Qiao, Zhen Disclosed no conflict of interest.

Qin, Di Disclosed no conflict of interest.
Qin, Ling ........................................... Disclosed no conflict of interest.
Qin, Qizhi ........................................... Disclosed no conflict of interest.
Qiryaqoz, Zeena ................................. Disclosed no conflict of interest.
Qiu, Bowen ........................................... Disclosed no conflict of interest.
Qu, Dovina ............................................ Disclosed no conflict of interest.
Qu, Feini ........................................... Disclosed no conflict of interest.
Qu, Jiayi ........................................... Disclosed no conflict of interest.
Quade, Conrad ........................................... Disclosed no conflict of interest.
Quam, Vivian G ........................................... Disclosed no conflict of interest.
Quang, Duy Huynh ................................. Disclosed no conflict of interest.
Queen, Robin ........................................... Disclosed no conflict of interest.
Queen, Robin M ........................................... Disclosed no conflict of interest.
Queiroz Neto, Mozart ...................... Disclosed no conflict of interest.
Querido, William ........................................... Disclosed no conflict of interest.
Quillen, Ellen ........................................... Disclosed no conflict of interest.
Quillen, Ellen E ........................................... Disclosed no conflict of interest.
Quinn, Matthew ........................................... Disclosed no conflict of interest.
Quintero, Filiberto ........................................... Disclosed no conflict of interest.
Rachala, Sridhar ........................................... Disclosed no conflict of interest.
Racine-Avila, Jennifer ...................... Disclosed no conflict of interest.
Racine-Avila, Jennifer R ...................... Disclosed no conflict of interest.
Radford, Lee ........................................... Disclosed no conflict of interest.
Radice, Simona ........................................... Disclosed no conflict of interest.
Radinsky, Samantha ........................................... Disclosed no conflict of interest.
Raffai, Robert ........................................... Disclosed no conflict of interest.
Rahman, Fatema ........................................... Disclosed no conflict of interest.
Rahmani, Bahar ........................................... Disclosed no conflict of interest.
Rai, Ajinkya披露无利益冲突。
Rai, Jyoti披露无利益冲突。
Rai, Muhammad F披露无利益冲突。
Rai, Muhammad Farooq9: ORS。
Rai, Rahul披露无利益冲突。
Raina, Deepak B披露无利益冲突。
Raina, Deepak Bushan披露无利益冲突。
Rainbow, Michael披露无利益冲突。
Rainbow, Roshni披露无利益冲突。
Rains, Christopher披露无利益冲突。
Rajah, Elmer N披露无利益冲突。
Rajapakse, Chamith披露无利益冲突。
Rajapakse, Chamith S披露无利益冲突。
Rajapaske, Chamith披露无利益冲突。
Rajaravivarma, Raga3A: Stryker; 4: Stryker。
Rajasekaran, Mahemaa3A: Mahemaa Rajasekaran。
Rajasekaran, Mahemaa3A: MicroPort Orthopedic Inc。
Rajendran, Vishakk披露无利益冲突。
Ralston, Micah披露无利益冲突。
Ramette, Martin披露无利益冲突。
Ramirez, Erica M披露无利益冲突。
Ramos Peralta, Luis披露无利益冲突。
Rampado, Riccardo披露无利益冲突。
Randall, Jeff披露无利益冲突。
Randall, Jeffery披露无利益冲突。
Randall, Jeffrey披露无利益冲突。
Randall, R. Lor披露无利益冲突。
Randolph, Mark披露无利益冲突。
Rangrez, Mohammedayaz披露无利益冲突。
Ranum, Maggie披露无利益冲突。
Rao, Sanjna .......................... Disclosed no conflict of interest.
Rao, Zhitao .......................... Disclosed no conflict of interest.
Rapp, Timothy B .......................... Disclosed no conflict of interest.
Rashidi, Neda .......................... Disclosed no conflict of interest.
Rasner, Cody .......................... Disclosed no conflict of interest.
Rasponi, Marco .......................... Disclosed no conflict of interest.
Rastogi, Ajay .......................... 3A: Stryker; 4: Stryker.
Ratcliff, Terrul L ........................ Disclosed no conflict of interest.
Raterman, Brian ........................ Disclosed no conflict of interest.
Rauh, Michael .......................... Disclosed no conflict of interest.
Raval, Sarvgna .......................... Disclosed no conflict of interest.
Ravichandran Damodaran, Jeyaram Disclosed no conflict of interest.
Ravuri, Sudheer ........................ Disclosed no conflict of interest.
Ray, Lucas Jeffrey ........................ Disclosed no conflict of interest.
Raz, Avraham .......................... Disclosed no conflict of interest.
Raza, Ali .......................... Disclosed no conflict of interest.
Razavi, Mehdi .......................... Disclosed no conflict of interest.
Razu, Swithin S .......................... Disclosed no conflict of interest.
Reb, Christopher W ........................ Disclosed no conflict of interest.
Reber, Stefan O .......................... Disclosed no conflict of interest.
Reber, Stefan O .......................... Disclosed no conflict of interest.
Redden, James .......................... Disclosed no conflict of interest.
Reddy, Akhil .......................... Disclosed no conflict of interest.
Redmond, Anthony C .......................... Disclosed no conflict of interest.
Reeder, Nathan C .......................... 3A: DePuy Synthes.
Reeves, Jacob M .......................... Disclosed no conflict of interest.
Reeves, Russel .......................... Disclosed no conflict of interest.
Reger, Ryan J .......................... Disclosed no conflict of interest.
Reilly, Mark .......................... Disclosed no conflict of interest.
Reisdorf, Ramona .......................... Disclosed no conflict of interest.
Reisener, Marie-Jacqueline...... *Disclosed no conflict of interest.*
Reiter, Alex ............................... *Disclosed no conflict of interest.*
Reiter, Alex J ............................... *Disclosed no conflict of interest.*
Reiter, David A ........................... *Disclosed no conflict of interest.*
Reitman, Charles ........................ *Disclosed no conflict of interest.*
Ren, Pengling ............................. *Disclosed no conflict of interest.*
Ren, Rongguo ............................. *Disclosed no conflict of interest.*
Ren, Tianyi ............................... *Disclosed no conflict of interest.*
Ren, Weiping ............................. *Disclosed no conflict of interest.*
Ren, Ye .................................... *Disclosed no conflict of interest.*
Renoux, Florian .......................... *Disclosed no conflict of interest.*
Requist, Melissa R ........................ *Disclosed no conflict of interest.*
Rethlefsen, Susan A. ................... *Disclosed no conflict of interest.*
Rey Rico, Ana ............................ *Disclosed no conflict of interest.*
Reyes, James.............................. 3A: Stryker; 4: Stryker.
Reyes, Pamela ............................ *Disclosed no conflict of interest.*
Reynolds, Alan W ........................ *Disclosed no conflict of interest.*
Rezvani, Sabah ............................ *Disclosed no conflict of interest.*
Rezvanifar, Sayed C ...................... *Disclosed no conflict of interest.*
Rhee, Brian ............................... *Disclosed no conflict of interest.*
Rhee, Claire .............................. *Disclosed no conflict of interest.*
Rhee, Sung-Min .......................... *Disclosed no conflict of interest.*
Rhodes, Alisha ........................... *Disclosed no conflict of interest.*
Ricciardi, Benjamin F ................... *Disclosed no conflict of interest.*
Ricciardi, Benjamin F ................... *Disclosed no conflict of interest.*
Rice, Olivia .............................. *Disclosed no conflict of interest.*
Richards, Geoff .......................... *Disclosed no conflict of interest.*
Richards, Laura ......................... 3A: MatOrtho Ltd.
Richards, R. Geoff ....................... *Disclosure no conflict of interest.*

Richardson, Alexandria N ............ *Disclosure no conflict of interest.*

Richardson, Anthony R .............. *Disclosure no conflict of interest.*

Richardson, Glen ...................... 2: Stryker Orthopaedics.

Richardson, Glen ...................... 3B: Stryker.

Ridenour, BS, Delaney C ............. *Disclosure no conflict of interest.*

Ridenour, Delaney ..................... *Disclosure no conflict of interest.*

Riegger, Jana ........................... *Disclosure no conflict of interest.*

Rietberg, Nathan T ................. *Disclosure no conflict of interest.*

Riffault, Mathieu ..................... *Disclosure no conflict of interest.*

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Shimomura, Seiji Disclosed no conflict of interest.
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Shue, Jennifer .............................*Disclosure no conflict of interest.*
Sibonga, Jean D .............................*Disclosure no conflict of interest.*
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Solon, Lorenzo ..........................Disclosed no conflict of interest.
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Spindler, Kurt P ....................3B: Flexion Therapeutics, Novopeds, NFL.
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Starlinger, Julia .....................Disclosed no conflict of interest.
Starring, Hunter ....................Disclosed no conflict of interest.
Stauber, Tino .......................Disclosed no conflict of interest.
Stefanovic, Tina ...................Disclosed no conflict of interest.
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Steineman, Brett D. Disclosed no conflict of interest.
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Stoneback, Jason Disclosed no conflict of interest.
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Sulkar, Hema........................Disclosed no conflict of interest.
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Sulovari, Aron.......................Disclosed no conflict of interest.
Sumner, D R........................Disclosed no conflict of interest.
Sun, Changqi.........................Disclosed no conflict of interest.
Sun, Guodong.........................Disclosed no conflict of interest.
Sun, Hui..........................Disclosed no conflict of interest.
Sun, Kai..........................Disclosed no conflict of interest.
Sun, Mei..........................Disclosed no conflict of interest.
Sun, Shuchun.........................Disclosed no conflict of interest.
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Sunshine, Kerrin....................Disclosed no conflict of interest.
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Suryadevara, Vidyani.............Disclosed no conflict of interest.
Susa, Michiro.........................Disclosed no conflict of interest.
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Suva, Larry J.........................Disclosed no conflict of interest.
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Suzuki, Nobuyuki....................Disclosed no conflict of interest.
Suzuki, Shoji.........................Disclosed no conflict of interest.
Suzuki, Sho'ji.......................Disclosed no conflict of interest.
Suzuki, Teppei..........................Disclosed no conflict of interest.
Suzuki, Yohei..........................Disclosed no conflict of interest.
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Sweeney-Ambros, Ashley R............Disclosed no conflict of interest.
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Takagawa, Shu ............................. Disclosed no conflict of interest.
Takagi, Michiaki ........................... Disclosed no conflict of interest.
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Takahata, Masahiko ...................... Disclosed no conflict of interest.
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Takahubo, Yuya ........................... Disclosed no conflict of interest.
Takao, Masaki .............................. Disclosed no conflict of interest.
Takase, Kyohei ............................ Disclosed no conflict of interest.
Takashima, Hiroyuki ..................... Disclosed no conflict of interest.
Takashima, Yoshinori .................... Disclosed no conflict of interest.
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Takebayashi, Tomomi .................... Disclosed no conflict of interest.
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Takemori, Toshiyuki..............Disclosed no conflict of interest.
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Takeshita, Katsushi..................Disclosed no conflict of interest.
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Tamerler, Candan C. ..................Disclosed no conflict of interest.
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Tan, Jian..................Disclosed no conflict of interest.
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Thakur, Ankush .......................... Disclosed no conflict of interest.
Thakur, Shreyasi ....................... Disclosed no conflict of interest.
Thampi, Parvathy ....................... Disclosed no conflict of interest.
Thelen, Darryl .......................... Disclosed no conflict of interest.
Thelen, Darryl G ....................... Disclosed no conflict of interest.
Thi, Mia ................................. Disclosed no conflict of interest.
Thi, Mia M .............................. Disclosed no conflict of interest.
Thiessen, Adam ......................... Disclosed no conflict of interest.
Thirukumaran, Caroline ............. Disclosed no conflict of interest.
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Thomas, Tucker ........................ Disclosed no conflict of interest.
Thomassen, Maja ....................... Disclosed no conflict of interest.
Thometz, John .......................... Disclosed no conflict of interest.
Thomopoulos, Stavros ............... Disclosed no conflict of interest.
Thompson, Jonathan .................. 3A: DePuy Synthes.
Thompson, Katherine ................. Disclosed no conflict of interest.
Thompson, Katherine L .............. Disclosed no conflict of interest.
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Thomsen, Isaac P ........................ Disclosed no conflict of interest.
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Tijerina, Jonathan D ...............Disclosed no conflict of interest.
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Ting, Kang .........................3A: Kang Ting, Chia Soo, and Zhong Zheng are inventors on fibromodulin-related patents assigned to UCLA. Kang Ting, Chia Soo, and Zhong Zheng are founders of Scarless Laboratories Inc., which sublicenses.
Tinguely, Yann ......................Disclosed no conflict of interest.
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Tomita, Hiroyuki ........................................ Disclosed no conflict of interest.
Tomita, Makoto .......................................... Disclosed no conflict of interest.
Tommasini, Steven ...................................... Disclosed no conflict of interest.
Tommasini, Steven M .................................. Disclosed no conflict of interest.
Tommasini, Steven M. .................................. Disclosed no conflict of interest.
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Tompkins, Marc A ...................................... Disclosed no conflict of interest.
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Tong, Weidong .......................................... Disclosed no conflict of interest.
Tong, Xinming .......................................... Disclosed no conflict of interest.
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Tower, Robert J .......................................... Disclosed no conflict of interest.
Towfighian, Shahrzad .................................. Disclosed no conflict of interest.
Toyama, Shogo .......................................... Disclosed no conflict of interest.
Töyräs, Juha ............................................. Disclosed no conflict of interest.
Travascio, Francesco ................................. Disclosed no conflict of interest.
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von Rechenberg, Brigitte .. 3B: Johnson & Johnson Family of Companies; 5: Johnson & Johnson Family of Companies.


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Vopat, Matthew L ......................Disclosed no conflict of interest.

Vopat, Matthew L ......................Disclosed no conflict of interest.

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Vosselman, Anne L .....................Disclosed no conflict of interest.

Vresilovic, Edward .....................Disclosed no conflict of interest.

Vris, Alexandros .......................Disclosed no conflict of interest.

Vu, Ashley A ..........................Disclosed no conflict of interest.

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Wachs, Rebecca A ......................Disclosed no conflict of interest.

Wadhwa, Harsh ........................Disclosed no conflict of interest.

Wagala, Nyaluma .......................Disclosed no conflict of interest.

Wagley, Yadav ........................Disclosed no conflict of interest.

Wagner, Linzie .........................Disclosed no conflict of interest.

Wagner, Phillip P ......................Disclosed no conflict of interest.

Wahbeh, Jenna ........................Disclosed no conflict of interest.

Wahlen, Trenten .......................Disclosed no conflict of interest.

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

Wakama, Hitoshi .......................Disclosed no conflict of interest.

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

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

Waldman, Stephen D ..................Disclosed no conflict of interest.

Waldorff, Erik .........................Disclosed no conflict of interest.
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Walk, Remy ........................ Disclosed no conflict of interest.
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Walk, Seth .......................... Disclosed no conflict of interest.
Walker, J. Todd .................. Disclosed no conflict of interest.
Walker, Lizzie .................. Disclosed no conflict of interest.
Walker, Paul .................. Disclosed no conflict of interest.
Walker, Peter ...........................
1: Royalties from Stryker and from ZimmerBiomet for Total Knee design;
4: Stock in Genovel Inc through Office of Industrial Liaison, NYU Langone Health;
9: International Society for Technology in Arthroplasty ISTA.
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Wallace, Erin ........................
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Wallace, Joseph ........................
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Wallace, Joseph M ........................
Disclosed no conflict of interest.
Wallace, Roseanna ........................
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Walrath, Evan ........................
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Walsh, Conor ........................
Disclosed no conflict of interest.
Walsh, William ........................
4: Biorez.
Walter, Adam ........................
Disclosed no conflict of interest.
Walter, Benjamin ........................
Disclosed no conflict of interest.
Walter, Frédéric ........................
Disclosed no conflict of interest.
Walton, David ........................
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Wang, Allan ........................
3B: Exactech, Inc.
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Wang, Chau-Zen ........................
Disclosed no conflict of interest.
Wang, Chenyang ........................
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Wang, Chongyang ........................
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Wang, Cong ........................
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Wang, Cuicui ............................... Disclosed no conflict of interest.
Wang, Dalin ............................... Disclosed no conflict of interest.
Wang, Dan ............................... Disclosed no conflict of interest.
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Wang, James H-C ........................ Disclosed no conflict of interest.
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Wang, Jasmine ........................... Disclosed no conflict of interest.
Wang, Jinxi ............................... Disclosed no conflict of interest.
Wang, Kaidi ............................... Disclosed no conflict of interest.
Wang, Lai ................................. Disclosed no conflict of interest.
Wang, Lijun ............................... Disclosed no conflict of interest.
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Wang, Ling ............................... Disclosed no conflict of interest.
Wang, Linshanshan ........................ Disclosed no conflict of interest.
Wang, Liyun ............................... Disclosed no conflict of interest.
Wang, Luqiang ........................... Disclosed no conflict of interest.
Wang, Michelle Dan ..................... Disclosed no conflict of interest.
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Wang, Sun Young ........................ Disclosed no conflict of interest.
Wang, Tian ............................... Disclosed no conflict of interest.
Wang, Tianbai ............................ Disclosed no conflict of interest.
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Wang, Wenzheng ......................Disclosed no conflict of interest.
Wang, Xiaodu ..........................Disclosed no conflict of interest.
Wang, Xinluan ..........................Disclosed no conflict of interest.
Wang, Yamin ..........................Disclosed no conflict of interest.
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Wang, Zexi ..........................Disclosed no conflict of interest.
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Wanger, Brett A ........................Disclosed no conflict of interest.
Wangler, Sebastian ...................Disclosed no conflict of interest.
Wapp, Christina ......................Disclosed no conflict of interest.
Ward, Christopher W ...............Disclosed no conflict of interest.
Ward, Samuel R ......................Disclosed no conflict of interest.
Ward, Sarah ..........................6: Fellowship support: Stryker and Smith & Nephew.
Warden, Stuart .......................Disclosed no conflict of interest.
Warnecke, Daniela ....................Disclosed no conflict of interest.
Warren, James P ......................Disclosed no conflict of interest.
Warren, Michael ......................Disclosed no conflict of interest.
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Warren, Russell F .....................4: Orthonet.
Waryasz, Gregory ....................Disclosed no conflict of interest.
Waseda, Yuya .........................Disclosed no conflict of interest.
Wastvedt, Solveig ....................Disclosed no conflict of interest.
Watanabe, Goro ......................Disclosed no conflict of interest.
Watanabe, Hiroshi .......................... Disclosed no conflict of interest.
Watanabe, Keiichiro ........................ Disclosed no conflict of interest.
Watanabe, Kota ................................ Disclosed no conflict of interest.
Watanabe, Nobuyoshi ........................ Disclosed no conflict of interest.
Watanabe, Ryota .............................. 3A: Teijin Nakashima Medical Co., Ltd.
Watanabe, Shu ............................... Disclosed no conflict of interest.
Watchmaker, Lauren E .................... Disclosed no conflict of interest.
Watkins, Beckham .......................... Disclosed no conflict of interest.
Watters, Rebecca ............................ Disclosed no conflict of interest.
Watters, Rebecca J .......................... Disclosed no conflict of interest.
Watts, Jeffrey C ............................. Disclosed no conflict of interest.
Weaver, Michael J ........................... Disclosed no conflict of interest.
Webb, Brian ................................. Disclosed no conflict of interest.
Weber, Alexander E ........................ Disclosed no conflict of interest.
Weber, Birte ................................. Disclosed no conflict of interest.
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Weber, Margaret A ......................... Disclosed no conflict of interest.
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Webster, Kate E ............................. Disclosed no conflict of interest.
Webster, Thomas ............................ Disclosed no conflict of interest.
Wee, Hwa Bok ............................... Disclosed no conflict of interest.
Wee, Zong-Rui ............................... 3A: MedShape.
Weekes, Kenneth ......................... Disclosed no conflict of interest.
Wegner, MD, PhD, Adam ............... Disclosed no conflict of interest.
Wei, Fei ...................................... Disclosed no conflict of interest.
Wei, Jianlu ................................. Disclosed no conflict of interest.
Wei, Lei ...................................... Disclosed no conflict of interest.
Wei, Wu ...................................... Disclosed no conflict of interest.
Wei, Xin ...................................... Disclosed no conflict of interest.
Wei, Yulong .......................... *Disclosed no conflict of interest.*
Weihrauch, Dorothee ............... *Disclosed no conflict of interest.*
Weinberg, J. Brice ..................... *Disclosed no conflict of interest.*
Weiner, Adam .................................. *Disclosed no conflict of interest.*
Weiner, Bradley K ....................... *Disclosed no conflict of interest.*
Weingast, Giulia .......................... *Disclosed no conflict of interest.*
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Weisberg, Miriam D ...................... *Disclosed no conflict of interest.*
Weiser, Jennifer R ....................... *Disclosed no conflict of interest.*
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Weiss, Jeffrey ......................... *Disclosed no conflict of interest.*
Weiss, Kurt .............................. *Disclosed no conflict of interest.*
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Weiss, Stephanie N ..................... *Disclosed no conflict of interest.*
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Welhaven, Hope D ....................... *Disclosed no conflict of interest.*
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Wells, Joel E ............................ *Disclosed no conflict of interest.*
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Willing, Ryan .............................. **5: Stryker.**

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Winalski, Carl S ............................ **3B: Siemens Medical Solutions Inc. USA.**

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Winkler, Anja .............................. **Disclosed no conflict of interest.**

Winkler, Philipp ........................... **Disclosed no conflict of interest.**
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Winsor, Carla .............................Disclosed no conflict of interest.
Winter, Fabian .............................Disclosed no conflict of interest.
Wintring, Allison .........................Disclosed no conflict of interest.
Wintring, Allison J .......................Disclosed no conflict of interest.
Winzenrieth, Renaud .....................Disclosed no conflict of interest.
Wise, Barton L .............................Disclosed no conflict of interest.
Wise, Brian C ...............................Disclosed no conflict of interest.
Wistuba, Jochachim ......................Disclosed no conflict of interest.
Witt, Benjamin .............................Disclosed no conflict of interest.
Wittstein, Jocelyn ........................6: Arthrex, Prodigy Surgical, Aesculap Biologics.
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