

List of Disclosures Posters

Abdel, Matthew P., MD: American Association of Hip and Knee Surgeons: Board or committee member; European Journal of Orthopaedic Surgery and Traumatology: Editorial or governing board; Journal of Bone and Joint Surgery - British: Editorial or governing board; Journal of Orthopaedic Research: Editorial or governing board; Journal of Orthopaedics and Traumatology: Editorial or governing board; Minnesota Orthopaedic Society: Board or committee member

Abdelmalak, Basem B., MD: (n)

Abola, Matthew V., BA: (n)

Accomando, Beverly, MS: Genzyme: Employee

Adams, Joanne B., BFA: Biomet: Research support; Journal of Arthroplasty: Editorial or governing board; OrthoSensor: Research support; Pacira Pharmaceuticals, Inc.: Research support; SPR Therapeutics, LLC: Research support

Adenikinju, Abidemi, MS: (n)

Adib, Farshad, MD: (n)

Adler, Edward M., MD: Abbott: Stock or stock Options; Journal of Arthroplasty Bulletin of the NYU Hospital for Joint Diseases: Editorial or governing board; Procter & Gamble: Stock or stock Options; Stryker: Paid consultant

Agaba, Perez, BS: (n)

Alcerro, Jose C., MD: (n)

Ali, Osman, BS: (n)

Alvi, Hasham M., MD: (n)

Amanatullah, Derek F., MD, PhD: AAOS: Board or committee member; Acumed, LLC: Research support; BlueJay Mobile Health: Paid consultant, Research support; Exactech, Inc: Paid consultant; Omni: Paid consultant; Sanofi: Paid consultant; Stryker: Research support; WebMD: Publishing royalties, financial or material support

Amendola, Richard, MS: AJSM: Editorial or governing board; American Board of Orthopaedic Surgery, Inc.: Board or committee member; American Orthopaedic Society for Sports Medicine: Board or committee member; Arthrex, Inc: Paid consultant

Arthrex, IncArthrosurface, inc: IP royalties; arthrosurface inc: Stock or stock Options; Clinical Journal of Sports Medicine: Editorial or governing board; First Ray: Unpaid consultant; First ray Inc: Stock or stock

Options; Foot and Ankle International: Editorial or governing board; International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member; Smith & Nephew: IP royalties; Springer: Publishing royalties, financial or material support; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Amirault, John David, MD FRCSC: (n)

ANCHOR Group, The: (This group reported nothing to disclose)

Anderson, Lucas A, MD: (n)

Anderson, Martin, MD: (n)

Anderson, Mike B., MSc: Orthogrid Systems, Inc.: Paid consultant

Anseth, Scott D, MD: Biomet: Paid consultant; Smith & Nephew: Paid consultant; Stryker: Paid consultant

Arthur, Susan T., PhD: (n)

Atlas, Steven: Pfizer: Stock or stock Options; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Attaallah, Ahmed F., MD: (n)

Attarian, David E., MD: American Orthopaedic Association: Board or committee member; Data Trace Publishers: Publishing royalties, financial or material support

Austin, Matthew S., MD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; JayPee: Publishing royalties, financial or material support; Journal of Arthroplasty: Editorial or governing board; Link Orthopaedics: Paid consultant; Zimmer: IP royalties, Paid consultant

Ayers, David C., MD: AAOS: Board or committee member; American Orthopaedic Association: Board or committee member; Journal of Bone and Joint Surgery - American: Editorial or governing board

Azboy, Ibrahim, MD: (n)

Banka, Trevor, MD: (n)

Baral, Elexis, BS: (n)

Baré, Jonathan V., MBBS, FRACS, FAOrthA: Australian Arthroplasty Society: Board or committee member; Biomet: Paid presenter or speaker, Research support; Corin U.S.A.: IP royalties, Paid presenter or speaker, Research support; Zimmer: Paid presenter or speaker

Barlow, Brian, MD: (n)

Barnes, C. Lowry, MD: American Association of Hip and Knee Surgeons: Board or committee member; AR Orthopaedic Society: Board or committee member; Clinical Orthopaedics and Related Research: Editorial or governing board; ConforMIS: Research support; DJO: IP royalties; HealthTrust: Paid consultant; HipKnee Arkansas FounAmerican Association of Hip and Knee Surgeons: Board or committee member; AR Orthopaedic Society: Board or committee member; Clinical Orthopaedics and Related Research: Editorial or governing board; ConforMIS: Research support; DJO: IP royalties; HealthTrust: Paid consultant; HipKnee Arkansas Foundation: Board or committee member; Journal of Arthroplasty: Editorial or governing board; JSOA: Editorial or governing board; Liventa: Stock or stock Options; Medtronic: IP royalties, Paid consultant; Mid American Orthopaedic Association: Board or committee member;

Responsive Orthopaedics: Stock or stock Options; Responsive Risk Solutions: Paid consultant, Stock or stock Options; Southern Orthopaedic Association: Board or committee member; Zimmer: IP royalties, Paid consultant; Board or committee member

Journal of Arthroplasty: Editorial or governing board; JSOA: Editorial or governing board Liventa: Stock or stock Options; Medtronic: IP royalties, Paid consultant; Mid American Orthopaedic Association: Board or committee member; Responsive Orthopaedics: Stock or stock Options; Responsive Risk Solutions: Paid consultant, Stock or stock Options; Southern Orthopaedic Association: Board or committee member; Zimmer: IP royalties, Paid consultant

Barr, Christopher J., BS: Journal of Bone and Joint Surgery - American: Editorial or governing board; Spine: Editorial or governing board; Zimmer: Other financial or material support

Barsoum, Wael K., MD: Active Implants: Research support; Cool Systems: Research support; Custom Orthopaedic Solutions: Stock or stock Options; DJO, Inc.: Research support; Exactech, Inc: IP royalties; IOTied: Other financial or material support; iVHR: Stock or stock Options; KEF Healthcare (Board Member): Other financial or material support; Orthosensor: Research support; Orthovita: Research support; Otismed: Stock or stock Options; Stryker: IP royalties, Paid consultant, Paid presenter or speaker, Research support; Zimmer: IP royalties, Research support

Basques, Bryce A, MD: (n)

Baumhauer, Judith F., MD, MPH: American Board of Medical Specialties: Board or committee member; American Board of Orthopaedic Surgery, Inc.: Board or committee member; American Orthopaedic Association: Board or committee member; American Orthopaedic Foot and Ankle Society: Board or committee member; Cartiva: Paid consultant; Clinical Orthopaedics and Related Research: Editorial or governing board

DJ Orthopaedics: Paid consultant; Ferring Pharmaceuticals: Paid consultant; Nextremity Solutions Inc.: Paid consultant; Stryker: Paid consultant; Techniques in Foot and Ankle Surgery: Editorial or governing board; Wright Medical Technology, Inc.: Paid consultant

Bautista, Maria, MD, MSc: DePuy, A Johnson & Johnson Company: Other financial or material support

Bayers-Thering, Mary, MS, MBA: Stryker: Other financial or material support, Paid consultant

Baykal, Doruk, PhD: Exponent: Employee, Other financial or material support

Beal, Matthew D., MD: AAOS: Board or committee member; Medacta: IP royalties, Paid consultant, Research support; National Institutes of Health (NIAMS & NICHD), Zimmer, Stryker, Mako Surgical: Research support; Zimmer: Paid consultant

Beauchamp, Christopher, MD: (n)

Bedair, Hany, MD: (n)

Bedard, Nicholas, MD: (n) Bellamy, Jaime, DO: (n) Bendich, Ilya, MD, MBA: (n) Bene, Nicholas C., BA: (n)

Berend, Keith R., MD: AAOS Board of Specialty Societies (Knee Education Representative): Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; Knee Society: Board or committee member; Orthopedics: Editorial or governing board; Orthosensor: Research support; Pacira: Research support; Reconstructive Review: Editorial or governing board; SPR Therapeutics, LLC: Research support, Stock or stock Options; Zimmer Biomet: IP royalties, Paid consultant; Research support

Berend, Michael E., MD: Biomet: IP royalties, Paid consultant, Paid presenter or speaker, Research support; Hip Society: Board or committee member; Johnson & Johnson. Into our 501c3 research foundation.: Research support; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member

Stryker: Research support; Zimmer: IP royalties, Paid consultant, Paid presenter or speaker, Research support

Bergin, Patrick F, MD: Acumed, LLC: Paid presenter or speaker; Synthes: Paid presenter or speaker; Synthes Major Extremity Trauma Research Consortium (METRC): Research support

Bergum, Christopher, BS: (n)

Berkowitz, Richard, MD: Cempra: Research support; Debiopharm: Research support; Durect: Stock or stock Options; Halozyme: Stock or stock Options; lovera: Research support; Malinkrodt: Paid presenter or speaker, Research support; Medicine Company: Research support; Pacira: Stock or stock Options; Pfizer: Research support; Recro: Research support; Regeneron: Research support; Sanofi Pasteur: Research support; Seikagaku: Research support; Trevena: Research support; Zimmer: Research support

Berliner, Zachary P., MD: (n)

Bernardoni, Eamon D, MS: (n)

Bernstein, Derek T., MD: (n)

Berry, Daniel J., MD: American Joint Replacement Registry: Board or committee member; DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant, Research support; Elsevier: Publishing royalties, financial or material support; Hip Society: Board or committee member; International Hip Society: Board or committee member; Journal of Bone and Joint Surgery - American: Editorial or governing board; Mayo Clinic Board of Governors: Board or committee member; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Bhimani, Samrath, MS: (n)

Biedermann, Rainer, MD: (n)

Bingham, Joshua, MD: (n)

Birch, Craig M, MD: (n)

Blom, Andre, PT, STC: (n)

Boettner, Friedrich, MD: DePuy, A Johnson & Johnson Company: Paid consultant; DJO Surgical: Paid presenter or speaker; OrthoDevelopment: IP royalties, Paid consultant; OrthoForum GmbH: Editorial or governing board; Smith & Nephew: Paid consultant, Research support

Bohl, Daniel D., MD, MPH: (n)

Bolognesi, Michael P., MD: Amedica: Stock or stock Options, Unpaid consultant; American Association of Hip and Knee Surgeons: Board or committee member; AOA Omega: Other financial or material support; Arthroplasty Today: Editorial or governing board; Biomet: Research support; DePuy, A Johnson & Johnson Company: Research support; Eastern Orthopaedic Association: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Journal of Surgical Orthopaedic Advances: Editorial or governing board; TJO: IP royalties, Paid consultant, Stock or stock Options; Zimmer: IP royalties, Paid presenter or speaker, Research support

Bolz, Nicholas J, BS: (n)

Bonilla, Guillermo, MD: Bristol-Myers Squibb: Paid presenter or speaker; DePuy, A Johnson & Johnson Company: Other financial or material support, Paid presenter or speaker; Pfizer: Paid presenter or speaker; Sanofi-Aventis: Paid presenter or speaker

Bono, James V., MD: Springer: Publishing royalties, financial or material support; Stryker: Paid consultant, Paid presenter or speaker; StrykerSectra: IP royalties

Boocock, Mark, PhD: (n)

Boodaie, Benjamin: (n)

Bosco, Joseph, MD: Association of Professionals in Infection Control (APIC): Board or committee member; Bulletin of The Hospital for Joint Diseases: Editorial or governing Board; Genovel: IP royalties, Paid consultant, Stock or stock Options; Journal of Bone and Joint Surgery - American: Editorial or governing board; labrador healthcare: Paid consultant; Medtronic: Paid consultant; Pacira: Paid presenter or speaker; surgical directions consulting: Paid consultant; the orthopedic learning center: Board or committee member

Bostian, Phillip A., MD: West Virginia Orthopaedic Society Board Member: Board or committee member

Bostrom, Mathias P, MD: Bone Support: Research support; Orthopaedic Research Society: Board or committee member; Smith & Nephew: Paid consultant, Research support; Springer: Editorial or governing board

Boylan, Matthew R., MD MPH: (n)

Boyle, Peter R., DO: (n)

Bozic, Kevin J., MD., MBA: AAOS: Board or committee member; American Joint Replacement Registry: Board or committee member; Centers for Medicare and Medicaid Services: Paid consultant; Harvard Business School: Paid consultant;

Orthopaedic Research and Education Foundation: Board or committee member; Yale-New Haven Center for Outcomes Research: Paid consultant

Bradbury, Thomas L., MD: OrthoSensor: Research support; TJO, Inc: IP royalties, Paid consultant; Zimmer: IP royalties, Paid consultant

Bragdon, Charles R., PhD: MAKO Surgical: Research support; Zimmer: IP royalties, Research support

Braito, Matthias, MD: (n)

Brander, Victoria A., MD: Sanofi-Aventis: Paid consultant, Research support; Stryker: Other financial or material support

Branson, Jill J, RN, BSN: Johnson & Johnson: Stock or stock Options

Brause, Barry D., MD: (n)

Bravin, Lindsey N., MD: (n)

Brigati, David P, MD: AAOS: Board or committee member

Brown, Matthew L, MD: (n)

Brown, Nicholas M, MD: (n)

Brown, Timothy S, MD: American Association of Hip and Knee Surgeons: Board or committee member; American Journal of Orthopedics: Editorial or governing board

Brown, Zenobia, MD, MPH: (n)

Browne, James A., MD: American Journal of Orthopedics: Editorial or governing board; Biocomposites Ltd: Paid consultant; DJ Orthopaedics: IP royalties, Paid consultant; Journal of Arthroplasty: Editorial or governing board; Radlink: Stock or stock Options; Radlink/DePuy: Paid consultant; Saunders/Mosby-Elsevier: Publishing royalties, financial or material support; Southern Orthopaedic Association: Board or committee member

Bryan, Andrew J, MD: (n) Bryan, Sara M., MPT: (n) Buckland, Aaron, FRACS: (n) Buttaro, Martin, MD: (n) Buxbaum, Eric J., DO: (n) Buza, John, MD: Stryker: Employee Buzhardt, Paul, MD: (n) Byram, George W, MD: (n) **Callaghan, John, MD:** DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant; International Hip Society: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Journal of Arthroplasty (Deputy Editor): Publishing royalties, financial or material support; Knee Society: Board or committee member; Orthopaedic Research and Education Foundation: Board or committee member; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Calvo, Cecilia: (n)

Campbell, Danielle, MS: Stryker: Employee; Stock or stock Options

Cancienne, Jourdan M., MD: (n)

Canseco, Jose, MD: (n)

Carlson, Bayard C, MD: (n)

Carlson, Samuel, BS: Pfizer: Stock or stock Options

Carlson, Victor R., BS: (n)

Carrillo Villamizar, Nazly T., MD: (n)

Carroll, Kaitlin M, BS: (n)

Cates, Hal E., MD: ConforMIS: Paid presenter or speaker, Research support; Institutional Retrieval Grant - Drexel/NIH: Other financial or material support; Smith & Nephew: Paid consultant, Paid presenter or speaker, Research support; Stryker: Paid consultant, Research support; Zimmer: Paid consultant, Paid presenter or speaker, Research support

Cha, Thomas D., MD, MBA: Bio2: Paid consultant; GE Healthcare: Paid consultant; Institutional Fellowship Support: Globus, AO Spine, OREF: Other financial or material support; K2M: Paid consultant; Nuvasive: Paid consultant

Chagin, Kevin, MS: (n)

Chalmers, Brian P, MD: (n)

Chambers, Andrew, MD: (n)

Chang, Yuchiao, PhD: (n)

Chapman, Danielle M, BS: (n)

Charles, Ryan, MD: (n)

Chawla, Harshvardhan, MD: (n)

Chen, Antonia F., MD, MBA: 3M: Research support; AAOS: Board or committee member; ACI: Paid consultant; DJ Orthopaedics: IP royalties; European Knee Association: Board or committee member; Joint Purification System: Unpaid consultant;

Musculoskeletal Infection Society: Board or committee member; Myoscience: Research support; SLACK Incorporated: Publishing royalties, financial or material support; Smith & Nephew: Research support; Stryker: IP royalties Cheng, Karen Y., MD: (n)

Chin, Garwin, Bcc: (n)

Christensen, Tyson C., MD: (n)

Christie, Michael J., MD: DePuy, A Johnson & Johnson Company: IP royalties; Exactech, Inc: Stock or stock Options; Zimmer: IP royalties

Chughtai, Morad, MD: (n)

Clarke, Henry D., MD: AAOS: Board or committee member; Association of Bone and Joint Surgeons: Board or committee member; ConforMIS: IP royalties, Paid consultant, Unpaid consultant; ICJR: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Journal of Knee Surgery: Editorial or governing board; Journal of the American Academy of Orthopaedic Surgeons: Editorial or governing board, Publishing royalties, financial or material support; Knee: Editorial or governing board; Smith & Nephew: Paid consultant, Paid presenter or speaker; Stryker: Research support; VIDACARE: Research support

Clohisy, John C., MD: Microport Orthopedics, Inc.: Paid consultant; Pivot Medical: Research support; Smith & Nephew: Research support; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support; Zimmer: Research support

Comba, Fernando, MD: (n)

Cooper, Herbert John, MD: AAOS: Board or committee member; Corin U.S.A.: IP royalties, Paid consultant; Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; KCI: Paid consultant, Paid presenter or speaker, Research support; Medacta USA: Paid consultant; Zimmer-Biomet: Paid consultant

Crawford, Alexander, BS: (n)

Crawford, David A., MD: (n)

Cronin, Michael, DO: (n)

Cross, Michael B., MD: Acelity: Paid consultant; Acelity Surgical Advisory Board: Paid consultant; Bone and Joint Journal 360: Editorial or governing board; Exactech, Inc: Paid consultant; Intellijoint: Paid consultant, Stock or stock Options; Journal of Orthopaedics and Traumatology: Editorial or governing board; Link Orthopaedics: Paid consultant; Smith & Nephew: Paid consultant, Research support; Techniques in Orthopaedics: Editorial or governing board; Theravance Biopharma: Paid consultant; Zimmer: Paid consultant

Culp, Brian M., MD: (n)

Cunningham, Daniel, BS: (n)

Curry, Emily, BS: (n)

Curtin, Brian M., MS, MD: American Association of Hip and Knee Surgeons: Board or committee member; American Joint Replacement Registry Review Commission: Board or committee member;

CareStream: Paid consultant; Clinical Orthopaedics and Related Research: Editorial or governing board; DePuy, A Johnson & Johnson Company: Paid presenter or speaker; European Journal of Orthopaedic Surgery and Traumatology: Editorial or governing board; International Congress for Joint Reconstruction: Board or committee member; Iroko Pharmaceuticals: Paid consultant; Johnson & Johnson: Paid consultant; Journal of Arthroplasty: Editorial or governing board; Orthopedics: Editorial or governing board; Springer: Publishing royalties, financial or material support

Dalury, David F., MD: DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant, Paid presenter or speaker, Research support; Johnson & Johnson: Stock or stock Options; Journal of Arthroplasty: Editorial or governing board

D'Apolito, Rocco, MD: (n)

Darrith, Brian, BS: (n)

Dasa, Vinod, MD: Bioventus: Paid consultant, Paid presenter or speaker; Cropper Medical: Research support; Myoscience: Paid consultant, Stock or stock Options; Seikagaku: Paid consultant; Vector Medical: Stock or stock Options

Davidovitch, Roy I, MD: Pacira: Paid consultant; Stryker: Paid consultant

Davis, Charles M., III, MD, PhD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Journal of Arthroplasty: Editorial or governing board

De Martino, Ivan, MD: (n)

Dearborn, John, MD: (n)

DeBoer, David K., MD: DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant; Microport Orthopedics: IP royalties, Paid consultant

DeFrancesco, Christopher J., BS: (n)

DeHaan, Alex, MD: (n)

DeHart, Matt, MPH: (n)

Deirmengian, Carl, MD: Biomet: Paid consultant; Biostar Venture Fund partner, CD Diagnostics, Trice, Domain: Stock or stock Options; Journal of Bone and Joint Surgery - American: Publishing royalties, financial or material support; Synthes: Paid consultant; Zimmer: Paid consultant, Paid presenter or speaker; Zimmer, CD Diagnostics: Research support

Del Gaizo, Daniel J., MD: Biomup: Research support; Cadence Pharmaceuticals: Paid presenter or speaker; Journal of Arthroplasty: Editorial or governing board; Orthalign: Paid consultant; Pacira: Research support; SPR Therapeutics: Paid consultant; Stryker: Research support; Zimmer: Research support

Delsole, Edward M., MD: (n)

Delanois, Ronald, MD: Cayenne Medical: Paid consultant, Paid presenter or speaker; Corin U.S.A.: Paid consultant; Maryland Orthopedic association: Board or committee member

Della Valle, Craig J., MD: American Association of Hip and Knee Surgeons: Board or committee member; Arthritis Foundation: Board or committee member; Biomet: IP royalties, Paid consultant, Research support; CD Diagnostics: Stock or stock Options; DePuy, A Johnson & Johnson Company: Paid consultant; Hip Society: Board or committee member; Knee Society: Board or committee member; Mid America Orthopaedic Association: Board or committee member; Orthopedics Today: Editorial or governing board; SLACK Incorporated: Editorial or governing board, Publishing royalties, financial or material support; Smith & Nephew: Paid consultant, Research support; Stryker: Research support; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Demos, Harry A, MD: AAOS: Board or committee member; Think, Surgical, Inc.: Paid consultant

Demzik, Alysen, BS: (n)

Dennis, Douglas A., MD: Clinical Orthopaedics and Related Research: Editorial or governing board; DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant, Paid presenter or speaker; DePuy, A Johnson & Johnson Company, Porter Adventist Hospital: Research support; Innomed: IP royalties; Joint Vue: Stock or stock Options;

Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; Orthopedics Today: Editorial or governing board; Wolters Kluwer Health -Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Deshmukh, Ajit, MD: (n)

Desy, Nicholas, MD: (n)

Dhotar, Herman S., MD: (n)

Diekema, Daniel, MD: BioMeriuex: Research support

Dietz, Matthew J., MD: (n)

Dilworth, Brian, MD: (n)

Dimar, John, MD: Journal of Bone and Joint Surgery - American: Editorial or governing board, Publishing royalties, financial or material support; Journal of the American Academy of Orthopaedic Surgeons: Editorial or governing board; Medtronic Sofamor Danek: IP royalties, Paid consultant, Norton Healthcare: Research support; Scoliosis Research Society: Board or committee member; Spine: Editorial or governing board; Spine, Journal of Spinal Deformity, Global Spine Journal: Editorial or governing board

Dimitriou, Dimitris, MD: (n)

Disegna, Steven, MD: (n)

Doherty, David, MD: (n)

Dominick, Nicholas, PhD: (n)

Dorrwachter, Janet, MSN, DNP: (n)

Drew, Jacob, MD: DePuy, A Johnson & Johnson Company: Paid presenter or speaker

Drinkwater, Christopher, MD: Omni Life Science: Paid consultant, Paid presenter or speaker; Smith & Nephew: Research support

Duchman, Kyle, MD: (n)

Dunbar, Michael J., MD FRCSC PhD: Arthropaedia: Editorial or governing board; Canadian Joint Replacement Registry - Co-chair: Board or committee member; Canadian Orthopaedic Association: Board or committee member; Canadian RSA Network - Chair: Board or committee member; DePuy: Research support; EMOVI: Research support; Journal of Bone and Joint Surgery - British: Editorial or governing board; Kinduct: Research support; Knee: Editorial or governing board; Knee Society: Board or committee member; Stryker: IP royalties, Paid consultant, Research support; Zimmer: Research support

Duncan, Stephen T., MD: American Association of Hip and Knee Surgeons: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Kentucky Orthopaedic Society: Board or committee member; Mitek: Paid consultant; Morph: Unpaid consultant; Smith & Nephew: Paid consultant; Stryker: Research support

Duwelius, Paul J., MD: AAOS: Board or committee member; Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Bone and Joint Surgery - American: Publishing royalties, financial or material support; Operation Walk-Freedom to Move CEO: Board or committee member; Providence Orthopedic Foundation & Director of Providence Orthopedic Institute: Research support; Signature Health Care: Paid presenter or speaker; UniteOR: Stock or stock Options; Zimmer: IP royalties; Paid consultant; Research support

Edelstein, Adam I., MD: (n)

Edmiston, Tori, MD: (n)

Edusei, Emmanuel, BS: (n)

Edwards, Paul K., MD: DJO: Paid consultant

Eicher, Jennifer L., BS: (n)

Elmallah, Randa K., MD: (n)

Empson, Jan, RN, ONC: (n)

Erickson, Jill, PA-C: Orthogrid Systems: Stock or stock Options

Ernest, Emily P., BS: (n)

Errico, Thomas, MD: Fastenetix: IP royalties; Harms Study Group: Board or committee member; International Spine Study Group (ISSG): Board or committee member; K2M: Other financial or material support, Paid consultant, Paid presenter or speaker; OMEGA: Research support; Pfizer: Research support

Eskildsen, Scott M., MD: (n)

Eslampour, Aidin, MD: (n)

Esposito, Christina, PhD: EOS Imaging Inc.: Research support

Eto, Shuichi, MD, PhD: (n) Evangelista, Perry J., MD: (n) Evans, Cody L., MD: (n)

FAITH Investigators: Acumed, LLC: Paid consultant; Canadian Institutes of Health Research (CIHR): Other financial or material support; Canadian Orthopaedic Association: Board or committee member; Celgene: Paid consultant; Journal of Orthopaedic Trauma: Editorial or governing board; OMEGA: Other financial or material support; Orthopaedic Trauma Association: Board or committee member; Osteosynthesis and Trauma Care Foundation: Board or committee member; Sanofi-Aventis: Paid consultant; Saunders/Mosby-Elsevier: Publishing royalties, financial or material support; Smith & Nephew: Other financial or material support; Paid consultant, Research support; Stryker: IP royalties, Other financial or material support, Paid consultant; Synthes: Other financial or material support; Zimmer: Other financial or material support

Farias-Kovac, Mario, MD: (n)

Farrington, Bill, FRCS: LIMA: Other financial or material support; Stryker: Paid presenter or speaker, Research support

Faschingbauer, Martin, MD: (n)

Feeley, Brian, MD: AAOS: Board or committee member; American Orthopaedic Society for Sports Medicine: Board or committee member; Knee: Editorial or governing board

Fehring, Keith A., MD: American Association of Hip and Knee Surgeons: Board or committee member; DePuy, A Johnson & Johnson Company: IP royalties, Other financial or material support, Paid consultant, Paid presenter or speaker; Resea

Knee Society: Board or committee member

Fehring, Thomas K, MD: American Association of Hip and Knee Surgeons: Board or committee member; DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant, Paid presenter or speaker, Research support; Knee Society: Board or committee member

Feldstein, Michael J., MD, MS: Ceterix: Paid consultant; Muvr: Stock or stock Options; Pfizer: Employee, Stock or stock Options

Fernandes, Julio C., MD: Amgen Co: Research support; DePuy, A Johnson & Johnson Company: Research support; Eli Lilly: Research support; Quebec Orthopedic Association: Board or committee member; Sanofi-Aventis: Research support; Smith & Nephew: Paid presenter or speaker, Research support

Fields, Kara G., MS: Arthritis & Rheumatism: Editorial or governing board; AstraZeneca: Paid presenter or speaker; Crealta: Paid presenter or speaker; Takeda: Paid consultant, Paid presenter or speaker

Figgie, Mark P, MD: Knee Society: Board or committee member; Lima: IP royalties; Mekanika: Stock or stock Options

Fillingham, Yale A., MD: (n)

Fleischman, Andrew N., MD: (n)

Fletcher, Matthew S., BA: (n)

Francois, Elvis L., MD: (n)

Franklin, Patricia D., MD, MBA, MPH: Zimmer: Research support

Freiberg, Andrew A., MD: ArthroSurface: Stock or stock Options; Biomet: IP royalties, Paid consultant; CeramTec: Paid consultant; Orthopaedic Technology Group: Stock or stock Options; Zimmer: IP royalties, Paid consultant

Friedman, Richard J., MD: AAOS: Board or committee member; American Orthopaedic Association: Board or committee member; Association of Bone and Joint Surgeons: Board or committee member; Clinical Orthopaedics and Related Research: Editorial or governing board; Exactech, Inc: Paid consultant, Paid presenter or speaker, Research support; Johnson & Johnson: Paid consultant; Journal of Knee Surgery: Editorial or governing board

Frisch, Nicholas B., MD: (n)

Frye, Benjamin M., MD: Biomet: Paid consultant, Paid presenter or speaker

Fu, Michael C., MD: (n)

Fuentes, Alexandre, PhD: Emovi Inc.: Employee, Stock or stock Options

Fuery, Michael, BS: (n)

Gandek, Barbara, PhD: (n)

Gao, Yubo, PhD: (n)

Garber, Andrew, MD: (n)

Garvin, Kevin, MD: AAOS: Board or committee member; American Orthopaedic Association: Board or committee member; Hip Society: Board or committee member; Wolters Kluwer Health - Lippincott Williams & Wilkins: Editorial or governing board

Genser, Jerome, BA: (n)

George, Jaiben, MBBS: (n)

Gera, Jim, MBA: (n)

Ghanem, Elie, MD: Stryker: Research support

Gholson, James, MD: Stryker: Research support

Gililland, Jeremy M., MD: Biomet: Research support; CoNextions: Stock or stock Options; Orthogrid: Paid consultant, Stock or stock Options, Unpaid consultant; Zimmer: Research support

Ginnetti, John G., MD: (n)

Giveans, M. Russell, PhD: Ortholink Pty Ltd: Paid consultant

Gladnick, Brian P., MD: (n)

Glassman, Steven D., MD: Medtronic: IP royalties, Paid consultant; Nuvasive - Institutional research support paid directly to database company: Research support; Scoliosis Research Society: Board or committee member

Goetz, Devon, MD: Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; Society for Arthritic Joint Surgery: Board or committee member

Goldstein, Jeffrey M., MD: DePuy, A Johnson & Johnson Company: Paid presenter or speaker; Journal of Arthroplasty: Editorial or governing board

Goldstein, Wayne M., MD: DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant; Journal of Arthroplasty: Editorial or governing board; Smith & Nephew, Innomed: IP royalties

Goltz, Daniel, BS, MBA: (n)

Gonzales, Francis B., MD: Biomet: Paid consultant; Zimmer: Paid consultant, Research support

Gonzalez, Jacquelynn, BS: (n)

Goodman, Stuart B., MD, PhD: AAOS: Board or committee member; ABJS:Clinical Orthopaedics and Related Research: Publishing royalties, financial or material support; Accelalox: Stock or stock Options, Unpaid consultant; Baxter: Research support; Biological Implants Committee AAOS: Board or committee member; Biomaterials: Editorial or governing board, Publishing royalties, financial or material support; Biomimedica: Stock or stock Options, Unpaid consultant, Clinical Orthopaedics and Related Research: Editorial or governing board; DePuy, A Johnson & Johnson Company: Paid consultant; DJ Orthopaedics: Research support; Integra: Paid consultant; J Biomed Mater Res: Editorial or governing board; Journal of Orthopaedic Research: Editorial or governing board, Publishing royalties, financial or material support; Open Orthopaedics Journal: Editorial or governing board; Orthopedics: Editorial or governing board; Regenerative Engineering and Translational Medicine: Editorial or governing board; Society For Biomaterials: Board or committee member; StemCor: Stock or stock Options

Gordon, Alexander C., MD: DePuy, A Johnson & Johnson Company: Paid consultant; OrthoSensor: Paid consultant, Stock or stock Options

Gotoff, James, BA: (n)

Gottschalk, Michael B., MD: Biogen Idec: Employee, Stock or stock Options; HAND: Editorial or governing board

Grant, Tanner W., BS: (n)

Grau, Luis, MD: (n)

Gray, Chancellor, MD: American Association of Hip and Knee Surgeons: Board or committee member; University of Pennsylvania Orthopaedic Journal: Editorial or governing board

Greco, Victor E., BS: (n)

Green, Cynthia L., PhD: (n)

Greenbaum, Josh M., BS: (n)

Greene, Meridith E., PhD: (n)

Greiner, Justin, MD: (n)

Grimard, Guy, MD: EMOVI: Stock or stock Options; Quebec Orthopedic Association: Board or committee member

Gu, Weikuan, PhD: (n)

Guidry, Carey L., MD: (n)

Gwam, Chukwuweike, MD: (n)

Haas, Derek A., MBA: (n)

Haas, Steven B., MD: APOS Medical & Sports Technologies Ltd.: Other financial or material support; Innovative Medical Products, Inc: IP royalties; Ortho.Secure: Stock or stock Options; Smith & Nephew: IP royalties, Paid consultant, Paid presenter or speaker, Research support

Hadden, Kristie, PhD: (n)

Hagemeister, Nicola, PhD: Emovi Inc: Research support; Sanofi-Aventis: Research support

Haghpanah, Babak, MD: (n)

Hallock, Justin, MD: (n)

Hallstrom, Brian, MD: AAOS: Board or committee member; AJRR: Board or committee member

Hannon, Charles P., MD: (n)

Hansen, Erik Nathan., MD: (n)

Hansen, Heather, JD: (n)

Hanssen, Arlen D., MD: Elsevier: Publishing royalties, financial or material support; International Congress for Joint Reconstruction (ICJR): Board or committee member; Stryker: IP royalties

Harmsen, William S., MS: (n)

Hartsock, Langdon A., MD: American College of Surgeons: Board or committee member; AO Trauma North America: Board or committee member; South Carolina Orthopaedic Association: Board or committee member; Southeastern Fracture Symposium: Board or committee member; Southern Orthopaedic Association: Board or committee member

Haughom, Bryan D., MD: (n)

Heilmann, Kris, BS: (n)

Helfrich, Mia, BS: (n)

Hellman, Michael D., MD: (n)

Henry, Michael, MD: (n)

Hepinstall, Matthew S., MD: Acelity: Paid consultant; Corin U.S.A.: Paid consultant; Smith & Nephew: Paid consultant; Stryker: Paid consultant

Hernandez, Victor H., MD, MS: Consensus orthopedics: Paid consultant; Mallinckrodt Pharmaceuticals: Paid presenter or speaker; Smith & Nephew: Paid consultant

Hetzel, Scott J., MS: (n)

Higuera, Carlos A., MD: American Association of Hip and Knee Surgeons: Board or committee member; American Journal of Orthopedics: Editorial or governing board; CD Diagnostics: Research support; Cempra: Research support; Convatec: Paid presenter or speaker; KCI: Paid consultant, Research support; Myoscience: Research support; OREF: Research support; Pfizer: Paid consultant Stryker: Research support; The Academy of Medicine of Cleveland & Northern Ohio (AMCNO): Board or committee member; Zimmer: Paid consultant

Ho, Bryant, MD: (n)

Hoang, Melinda, Bcc: (n)

Hogue, Matthew, MD: (n)

Hollnagel, Katharine F., MD: (n)

Holmes, Robert, MD: (n)

Houck, Jeff, PhD: (n)

Howard, James L., MD: DePuy, A Johnson & Johnson Company: Other financial or material support, Paid consultant, Paid presenter or speaker, Research support; Microport: Other financial or material support; Smith & Nephew: Other financial or material support; Stryker: Other financial or material support, Paid consultant, Paid presenter or speaker; Zimmer: Other financial or material support

Howe, Benjamin M., MD: (n)

Hozack, William J., MD: Journal of Arthroplasty: Editorial or governing board; Stryker: IP royalties, Paid consultant, Research support

Hwang, Katherine, MS: (n)

Huddleston, James, MD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; American Knee Society: Research support; Biomet: Paid consultant, Research support; California Joint Replacement Registry: Board or committee member, Paid consultant; Exactech, Inc: IP royalties, Paid consultant, Paid presenter or speaker; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member; Porosteon: Paid consultant, Stock or stock Options; Robert Wood Johnson Foundation: Research support; Zimmer: Paid consultant, Paid presenter or speaker **Huo, Michael H., MD**: American Academy of Orthopedic Surgeons (Committee on Evaluation: selfassessment examination): Board or committee member; Current Orthopedic Practice: Editorial or governing board; DePuy, A Johnson & Johnson Company: Paid consultant; Elsevier: Paid consultant; Stryker: Paid consultant

Hurst, Jason M., MD: Orthosensor: Research support; Pacira Pharmaceuticals: Research support; SPR Therapeutics, LLC: Research support, Stock or stock Options; Zimmer Biomet: Paid consultant, Research support

Hutson, James J., MD: Journal of Orthopaedic Trauma: Editorial or governing board

Illgen II, Richard L., MD: Ketai medical: Paid consultant; Orthosensor: IP royalties, Paid consultant; OrtrhoSensor: Stock or stock Options; Stryker: Paid consultant

Inabathula, Avinash, BS: (n)

Incavo, Stephen J., MD: Biomet: IP royalties; Innomed: IP royalties; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member; Smith & Nephew: IP royalties; Wright Medical Technology, Inc.: IP royalties; Zimmer: IP royalties, Paid consultant, Stock or stock Options

Iorio, Richard, MD: American Association of Hip and Knee Surgeons: Board or committee member; Bioventis: Research support; Clinical Orthopaedics and Related Research: Editorial or governing board; DJ Orthopaedics: Paid consultant; Ferring Pharmaceuticals: Research support; Hip Society: Board or committee member; JBJS Reviews: Editorial or governing board; Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; Journal of the American Academy of Orthopaedic Surgeons: Editorial or governing board; Knee Society: Board or committee member; MCS ActiveCare: Paid consultant, Stock or stock Options; Medtronic: Paid consultant; Orthofix, Inc.: Research support; Orthosensor: Research support; Pacira: Paid consultant, Research support; Vericel: Research support; Wellbe: Stock or stock Options

Ishmael, Marshall K., BS: (n)

Israelite, Craig L., MD: Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Arthroplasty: Editorial or governing board; Zimmer: Paid consultant

Jabara, Justin, BS: (n)

Jacobs, Cale, PhD: Biomet: Research support; Stryker: Research support; Zimmer: Research support

Jain, Deeptee, MD: (n)

Jennings, Jason M., MD, DPT: (n)

Jerabek, Seth A., MD: Stryker: Paid consultant, Paid presenter or speaker

Jennings, Jason M., MD, DPT: (n)

Jiang, Guang-Liang, MD, PhD: Sanofi-Aventis: Employee; Other financial or material support; Stock or stock Options

Jiao, Yan, PhD: (n)

Jimenez, Matthew L., MD: (n)

Jo, Woo Lam: (n)

Johanson, Per Eric, MD, PhD: Biomet, Link, Smith & Nephew, Stryker, Zimmer: Research support; DePuy, A Johnson & Johnson Company: Research support; Lima: Research support

Jones, Hugh, BE: (n)

Jones, Richard E., MD: DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant, Paid presenter or speaker, Stock or stock Options; Innomed: IP royalties; Kinamed: Stock or stock Options; Omni Scientific: Stock or stock Options

Jung, Edward, MD: (n)

Kakish, Samer, FRCS (Tr and Orth): (n)

Kamath, Atul F., MD: AAOS: Board or committee member; BMC Musculoskeletal Disorders: Editorial or governing board; DePuy, A Johnson & Johnson Company: Paid consultant, Paid presenter or speaker; Innomed: IP royalties; Procter & Gamble: Stock or stock Options; Zimmer: Paid consultant, Paid presenter or speaker, Research support

Kaneuji, Ayumi, MD, PhD: DePuy, A Johnson & Johnson Company: Paid presenter or speaker; Stryker: Paid presenter or speaker; Zimmer: Paid presenter or speaker

Kaplan, Nathan, MD: (n)

Kaplan, Robert S, PhD: Avant-garde Health: Paid consultant; Medtronic: Paid presenter or speaker

Karam, Joseph A., MD: (n)

Kardos, Keith, PhD: CD Diagnostics: Employee, Stock or stock Options

Karia, Raj, MPH: (n)

Karnes, Jonathan M., MD: Amniox Medical, Inc: Research support

Kasparek, Maximilian, MD: (n)

Kavolus, Joseph, MD, MSCR: Pacira: Stock or stock Options

Kayupov, Erdan, MD: (n)

Kazarian, Gregory, BA: (n)

Kearns, Sean, BS: (n)

Keeney, Benjamin J., PhD: Spine: Editorial or governing board

Kelly, Richard, MBChB: (n)

Kelly, Bryan T., MD: A-3 Surgical: Stock or stock Options; A3 Surgical: Unpaid consultant; Arthrex, Inc: Paid consultant

Kelso, Lila E., MSc: (n)

Kerkhof, Anita, MS, RN: (n)

Keswani, Aakash, BA: (n)

Khan, Sabahat, MD: (n)

Khanuja, Harpal P., MD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Journal of Arthroplasty: Editorial or governing board

Kheir, Michael M., MD: (n)

Khlopas, Anton, MD: (n)

Kildow, Beau J., MD: (n)

Kim, Eric G., DO: (n)

Kim, Hyung Jin: (n)

Kim, Kelvin, BS: (n)

Kim, Raymond H., MD: Ceramtec: Paid presenter or speaker; Convatec: Paid presenter or speaker; DJ Orthopaedics: IP royalties, Paid consultant; ICJR: Board or committee member; Innomed: IP royalties

Kim, Seung Chan: (n)

Kim, Yong Sik, MD: Corentec: Stock or stock Options

Kleeman, Lindsay, MD: Arthrex, Inc: Employee

Klein, Adam E., MD: (n)

Klika, Alison K., MS: (n)

Koenig, Karl, MD, MS: (n)

Kolessar, David, MD: (n)

Kolisek, Frank R., MD: DJ Orthopaedics: Paid consultant, Research support; Ortho Tech Review: Editorial or governing board; Orthopaedic Knowledge Online Journal: Editorial or governing board; Orthopedics: Editorial or governing board; Stryker: IP royalties, Paid consultant, Research support

Konsin, Zachary B., BS: Allen Medical Systems: Employee

Kowalik, Thomas D., MD: (n)

Krackow, Kenneth A., MD: (n)

Krych, Aaron J., MD: Arthrex, Inc: Paid consultant; Arthritis Foundation: Research support; Ceterix: Research support; Histogenics: Research support

Kuo, Alfred Chung, MD: HamboLab: Stock or stock Options

Kurtz, Steven M., PhD: Active Implants: Research support; Aesculap/B.Braun: Research support; Celanese: Research support; Ceramtec: Research support; DePuy Synthes: Research support; DJO:

Research support; Elsevier: Publishing royalties, financial or material support; Exponent: Employee, Paid consultant, Paid presenter or speaker; Other financial or material support; Ferring Pharmaceuticals: Research support; Formae: Research support; Invibio: Research support; Kyocera Medical: Research support; Medtronic: Research support; Simplify Medical: Research support; Smith & Nephew: Research support; Stelkast: Research support; Stryker: Research support; Wright Medical Technology: Research support; Zimmer Biomet: Research support

Kwon, Soon Yong, MD: (n)

Kwon, Young-Min, MD, PhD: Biomet: Research support; Stryker: Research support; Zimmer, Research support

Labro, Eva, PhD: (n)

Lacelle, Marc, Pht: (n)

Lacy, Kyle, MD: (n)

Laende, Elise, BEng, MSc ENG: Canadian RSA Network: Board or committee member

Lafage, Virginie, PhD: DePuy, A Johnson & Johnson Company: Paid presenter or speaker, Research support; Medicrea: Paid presenter or speaker; Nemaris INC: Board or committee member, Stock or stock Options; Nuvasive: Paid presenter or speaker

Landrum, Matthew R., MD: (n)

Lang, Jason E., MD: Smith & Nephew: Paid consultant, Research support

Lange, Jeffrey, MD: (n)

Langfitt, Maxwell K., MD: (n)

Lanting, Brent, MD: DePuy, A Johnson & Johnson Company: Other financial or material support, Paid consultant, Research support; IntelliJoint: Paid consultant; Smith & Nephew: Other financial or material support, Paid consultant, Research support; Stryker: Other financial or material support, Paid consultant, Paid presenter or speaker, Research support; Wright Medical Technology, Inc.: Research support; Zimmer: Research support

Larose, Gabriel, MD: (n)

Larson, Dirk R., MS: (n)

Lau, Edmund, MS: Alcon Corp.: Paid consultant; Boston Scientific: Paid consultant; Medtronic: Paid consultant; Stryker: Paid consultant

Lavernia, Carlos J., MD: Biomet: Paid consultant; Florida Orthopaedic Society: Board or committee member; Johnson & Johnson: Stock or stock Options; Journal of Arthroplasty: Editorial or governing board; MAKO SURGICAL/STRYKER: IP royalties; Stryker: Stock or stock Options; Symmetry Medical (Telcomet): Stock or stock Options; Wright Medical Technology, Inc.: Stock or stock Options; Zimmer: Paid consultant, Stock or stock Options

Law, Tsun yee, MD: (n)

Lazennec, Jean Y., MD, PhD: (n)

Leddy, Lee R., MD: AAOS: Board or committee member; American Journal of Orthopedics: Editorial or governing board; KCI: Research support; Musculoskeletal Tumor Society: Board or committee member

Lee, Yuo-yu, MS: (n)

Lemay, Celeste, RN, MPH: (n)

Leone, William A., MD: OrthoSensor: Paid consultant, Paid presenter or speaker; Stryker: IP royalties, Paid consultant, Paid presenter or speaker

Levine, Brett R., MD, MS: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Artelon: Research support; Biomet: Research support; CORD: Board or committee member; Human kinetics: Editorial or governing board; Link Orthopaedics: Paid consultant; McGraw-Hill: Paid consultant; Orthoview: Paid consultant; SLACK Incorporated: Editorial or governing board; Zimmer: Paid consultant, Research support

Levy, Bruce A., MD: Arthrex, Inc: IP royalties, Paid consultant, Research support; Arthroscopy Association of North America (ISAKOS Representative): Board or committee member; Arthroscopy, Journal of Arthroscopic and related research: Editorial or governing board; Biomet: Research support; CORR: Editorial or governing board

Journal of Knee Surgery: Editorial or governing board; Knee Surgery, Sports Traumatology, Arthroscopy: Editorial or governing board; Stryker: Research support; VOT Solutions: IP royalties

Levy, Daniel L., BS: (n)

Lewallen, David G., MD: Acuitive: Stock or stock Options; American Joint Replacement Registry: Board or committee member; Ketai Medical Devices: Stock or stock Options, Unpaid consultant; Link Orthopaedics: Paid consultant; Mako/Stryker: IP royalties; Orthopaedic Research and Education Foundation: Board or committee member; Pipeline: IP royalties; Zimmer: IP royalties, Paid consultant

Lewallen, Eric A., PhD: (n)

Lewis, Courtland, MD: Biomet: Research support

Li, Xing, BA: (n)

Li, Xinning, MD: Journal of Medical Insight (JOMI): Editorial or governing board, Stock or stock Options; Mitek: Paid consultant; Orthopedic Reviews: Editorial or governing board; Tornier: Paid consultant; World Journal of Orthopaedics: Editorial or governing board

Lim, Young Wook, MD: (n)

Lindsey, Brock A., MD: Biomet: Research support; Highmark Insurance and Provider PPI: Paid consultant; Zimmer: Paid consultant

Lindstrom, Eric J., CRNA: Edwards Lifesciences: Paid consultant; Paid presenter or speaker

Liow, Ming Han Lincoln, MD: (n)

Llinás, Adolfo M., MD: 3M: Paid presenter or speaker; Bayer: Paid presenter or speaker; Ethicon: Paid presenter or speaker; Innomed: Publishing royalties, financial or material support; Innomed: IP royalties; None: Research support; NovoNordisk: Paid presenter or speaker; Pfizer: Paid presenter or speaker; Zimmer: Paid presenter or speaker

Lombardi, Jr., Adolph V., MD: Clinical Orthopaedics and Related Research: Editorial or governing board; Hip Society: Board or committee member; Innomed: IP royalties; Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; Journal of Orthopaedics and Traumatology: Editorial or governing board; Journal of the American Academy of Orthopaedic Surgeons: Editorial or governing board; Knee: Editorial or governing board; Knee Society: Board or committee member; Mount Carmel Education Center at New Albany: Board or committee member; Operation Walk USA: Board or committee member; Orthosensor: IP royalties, Paid consultant, Research support; Pacira Pharmaceuticals, Inc.: Paid consultant, Research support; SPR Therapeutics, LLC: Research support, Stock or stock Options; Surgical Technology International: Editorial or governing board

Zimmer Biomet: IP royalties, Paid consultant, Research support

Lonner, Jess H., MD: American Journal of Orthopedics: Editorial or governing board; Biomet: IP royalties, Paid consultant, Paid presenter or speaker, Research support; Blue Belt Technologies: Stock or stock Options; CD Diagnostics: Paid consultant, Stock or stock Options; Healthpoint Capital: Stock or stock Options; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member; Saunders/Mosby-Elsevier: Editorial or governing board, Publishing royalties, financial or material support; Smith & Nephew: IP royalties, Paid consultant, Paid presenter or speaker, Research support; Wolters Kluwer Health - Lippincott Williams & Wilkins: Editorial or governing board; Publishing royalties, financial or material support; Zimmer: IP royalties, Paid consultant, Paid presenter or speaker, Research Research support

Louer, Craig R., MD: (n)

Lovecchio, Francis, MD: (n)

Low, Sara L., MD: (n)

Lu, Min, MD: (n)

Lutz, Rex W., BS: (n)

Lux, Nathan, BS: (n)

Lynch, Jonathan, MD: (n)

Mabrey, Jay D., MD: Exactech, Inc: IP royalties, Paid consultant

Mabry, Tad M., MD: Mid-America Orthopaedic Association: Board or committee member

Macdonald, Hilary, PT: (n)

MacDonald, Steven J., MD: DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant, Research support; Hip Innovations Technology, JointVue: Stock or stock Options; Smith & Nephew: Research support; Stryker: Research support **Maclean, Colin J., MD**: DePuy, A Johnson & Johnson Company: Research support; Smith & Nephew: Research support; Stryker: Research support

MacLean, Catherine H., MD, PhD: American College of Physicians: Board or committee member

MacPherson, Alexandra, BA: (n)

Maheshwari, Aditya V., MD: World Journal of Orthopedics: Editorial or governing board

Malchau, Henrik, MD, PhD: Biomet: Research support; Ceramtec: Paid consultant; DePuy: Research support; International Hip Society: Board or committee member; ISAR (International Society for Arthroplasty Registries): Board or committee member; MAKO: Research support; RSA Biomedical: Board or committee member; RSA Biomedical Inc: Stock or stock Options; Scientific advisor for Biomet in northern Europe: Board or committee member; Smith & Nephew: Research support; Stryker: IP royalties; Zimmer: Paid consultant, Research support

Malkani, Arthur L., MD: AAOS: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Stryker: IP royalties, Paid consultant, Paid presenter or speaker, Research support

Maloney, William J., MD: AAOS: Board or committee member

Abbott: Stock or stock Options; AJRR: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Flexion Therapeutics, Inc.: Board or committee member; Flexion Therapeutics, Inc. - Scientific Advisory Board: Paid consultant; Flexion Therapeutics, Inc.: Stock or stock Options; Gillead: Stock or stock Options; ISTO Technologies: Stock or stock Options; ISTO Technologies, Inc - Board of Directors: Paid consultant; ISTO Technologies, Inc.: Board or committee member; Johnson & Johnson: Stock or stock Options; Journal of Orthopaedic Research: Editorial or governing board; Journal of Orthopaedic Science: Editorial or governing board; Merck: Stock or stock Options; Moximed: Stock or stock Options; Pfizer: Stock or stock Options; Pipeline Orthopaedics: Stock or stock Options; Stemedica: Board or committee member; Stemedica: Stock or stock Options; Stryker: IP royalties; TJO: Stock or stock Options; Western Orthopaedic Association: Board or committee member; Zimmer: IP royalties

Maltenfort, Mitchell, PhD: (n)

Manalo, John Paul, MD: (n)

Mangla, Mahima, MPH: (n)

Manley, Michael T., FRSA, PhD: Stryker: Employee; Stock or stock Options

Manning, Blaine T, BS: (n)

Manning, David W., MD: AAOS: Program Committee-Subcommittee Adult Hip: Board or committee member; Biomet: IP royalties; Biomet, Medacta: Paid consultant; Iconacy: Stock or stock Options; Medacta: Paid presenter or speaker

Maradit-Kremers, Hilal, MD MSc: (n)

Maratt, Joseph, MD: Alexion Pharmaceuticals: Employee; Stock or stock Options; Biogen: Employee, Stock or stock Options; Dimension Therapeutics: Employee, Stock or stock Options; Merck: Stock or stock Options; Sanofi-Aventis: Stock or stock Options

Marel, Ed, MBBS, FRACS, FAOrthA: Optimized Ortho: Paid consultant, Paid presenter or speaker, Stock or stock Options

Markel, David C., MD: Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery - American: Editorial or governing board; Michigan Orthopaedic Society, AAHKS, Mid America Ortho Assoc: Board or committee member; OREF: Research support; Osteoarthritis and Cartilage: Editorial or governing board; Stryker: IP royalties, Paid consultant, Paid presenter or speaker, Research support; The CORE institute: Stock or stock Options

Martin, Audrey, BS: Conformis: Other financial or material support; DePuy, A Johnson & Johnson Company: Other financial or material support

Martin, John Ryan, MD: Biomet: Paid consultant; Paid presenter or speaker

Masch, Jessica, BS, MA: (n)

Masini, Michael, MD: DePuy, A Johnson & Johnson Company: IP royalties; Stryker: IP royalties, Paid consultant, Paid presenter or speaker, Research support; The Journal of Knee Surgery: Editorial or governing board

Mason, J. Bohannon, MD: American Association of Hip and Knee Surgeons: Board or committee member; DePuy, A Johnson & Johnson Company: IP royalties, Other financial or material support, Paid consultant; Journal of Arthroplasty: Publishing royalties, financial or material support

Massel, Dustin H, BS: (n)

Mather III, Richard C., MD, MBA: Arthroscopy Association of North America: Board or committee member; KNG Health Consulting: Paid consultant; North Carolina Orthopaedic Association: Board or committee member; Stryker: Paid consultant; Zimmer: Research support

Mathis, Kenneth, MD: Zimmer: IP royalties

Matsen Ko, Laura, MD: (n)

Mahure, Siddharth, MD: (n)

Mayman, David J., MD: Knee Society: Board or committee member; OrthAlign: Stock or stock Options; Smith & Nephew: Paid consultant, Paid presenter or speaker

McAlister, Ian P., MD: This individual reported nothing to disclose)

McCalden, Richard W., MD: Smith & Nephew: Paid consultant, Paid presenter or speaker; Smith & Nephew, J&J, Depuy, Stryker: Research support

McGrath, Brian E., MD: Ampio Pharmaceuticals: Paid consultant, Research support; Biomet: Research support; Biomet, Stryker: Paid consultant; Biomet, Stryker, Ampio Pharmaceutical: Stock or stock Options; Stryker: Paid presenter or speaker

McGwin, Gerald, PhD: (n)

McHugh, Michael, BS: (n)

McLawhorn, Alexander S., MD, MBA: American Association of Hip and Knee Surgeons: Board or committee member; American Journal of Orthopedics: Editorial or governing board; HSS Journal: Editorial or governing board

McMahon, Stephen, MBBS, FRACS, FAOrthA: Corin U.S.A.: Paid consultant; Smith & Nephew: Paid consultant, Research support; Stryker: Paid consultant

McNabb, David C., MD: ConvaTec: Paid presenter or speaker

McNair, Peter, PhD, PT: Clinical BiomechanicsPhysical Therapy in SportsArthritis: Editorial or governing board

McNamara, Colin, BS, MBA: (n)

McQuivey, Kade, BS: (n)

Medairos, Robert, BS: (n)

Meding, John B., MD: Biomet: IP royalties, Paid consultant; Stryker: IP royalties, Paid consultant

Meftah, Morteza, MD: (n)

Mehran, Nima, MD: (n)

Meneghini, R. Michael, MD: DJ Orthopaedics: IP royalties, Paid consultant; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member; Stryker: IP royalties; Paid consultant

Menendez, Mariano E., MD: (n)

Merkow, David, BS: (n)

Mezghani, Neila, PhD: Emovi inc.: Research support

Micheli, Brad R., MS: (n)

Mihalko, William M., MD, PhD: AAOS: Board or committee member; Aesculap/B.Braun: IP royalties, Paid consultant, Paid presenter or speaker, Research support; American Orthopaedic Association: Board or committee member; CeramTec: Paid presenter or speaker; Department of Defense: Research support; Journal of Arthroplasty: Editorial or governing board; Journal of Orthopaedic Research: Editorial or governing board; Knee: Editorial or governing board; MicroPort: Research support; Saunders/Mosby-Elsevier: Publishing royalties, financial or material support; Springer: Publishing royalties, financial or material support; Stryker: Research support; The Journal of Long Term Effects of Medical Implants: Editorial or governing board; Zimmer: Paid consultant

Miller, Andy O., MD: (n)

Miller, Michael G., MD: (n)

Miller, Steve, MD, PhD: (n)

Miner, Todd M., MD: DePuy: Research support; DePuy, A Johnson & Johnson Company: Unpaid consultant; Operation Walk Denver- I am Board Chairman: Board or committee member; Porter

Adventist Hospital: Research support; Zimmer: Paid consultant, Paid presenter or speaker, Research support

Mirza, Amer J., MD: Acumed, LLC: Unpaid consultant; Seattle Information Systems: Unpaid consultant

Mistry, Jaydev B., MD: (n)

Mittal, Ashish, BA: (n)

Modi, Ronuk, BS: (n)

Mont, Michael A., MD: AAOS: Board or committee member; American Journal of Orthopedics: Editorial or governing board; DJ Orthopaedics: Paid consultant, Research support; Johnson & Johnson: Paid consultant, Research support; Journal of Arthroplasty: Editorial or governing board; Journal of Knee Surgery: Editorial or governing board; Merz: Paid consultant; Microport: IP royalties; National Institutes of Health (NIAMS & NICHD): Research support; Ongoing Care Solutions: Research support; Orthopedics: Editorial or governing board; Orthosensor: Paid consultant, Research support; Pacira: Paid consultant; Sage Products, Inc.: Paid consultant;

Stryker: IP royalties; Paid consultant, Research support; Surgical Techniques International: Editorial or governing board; TissueGene: Paid consultant, Research support; U S Medical Innovations: Paid consultant

Morris, Michael J., MD: Journal of Arthroplasty: Editorial or governing board; Orthosensor: Research support, Pacira Pharmaceuticals: Research support; SPR Therapeutics, LLC: Research support, Stock or stock Options; Zimmer Biomet: Paid consultant, Research support

Mortazavi, S. M. Javad, MD: (n)

Moschetti, Wayne E., MD, MS: (n)

Moskal, Peter T., MD: (n)

Moucha, Calin S., MD: 3M: Paid presenter or speaker; Saunders/Mosby-Elsevier: Publishing royalties, financial or material support

Muchow, Ryan D, MD: (n)

Muratoglu, Orhun K., PhD: Alchimist, LLC.: Stock or stock Options; Arthrex, Inc: IP royalties; Aston Medical: IP royalties; Biomet: Other financial or material support; Cambridge Polymer Group: Stock or stock Options; Conformis: IP royalties; Corin U.S.A.: IP royalties, Paid presenter or speaker; DePuy, A Johnson & Johnson Company: Research support; Iconacy: IP royalties; Meril Healthcare: IP royalties; Orthopedic Technology Group: Stock or stock Options; Renovis: IP royalties; Stryker: IP royalties, Research support; Zimmer Biomet: IP royalties

Murphy, Dermot, BA: (n)

Murphy, James E., MD: (n)

Muskus, Meilyn, MD: (n)

Nandi, Sumon, MD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Journal of Arthroplasty: Editorial or governing board

Nasr, Christian, MD: (n)

Naudie, Douglas, MD: DePuy, A Johnson & Johnson Company: Other financial or material support; Smith & Nephew: IP royalties, Other financial or material support, Paid consultant, Paid presenter or speaker; Stryker: Other financial or material support, Paid consultant, Paid presenter or speaker

Navale, Suparna, MS, MPH: (n)

Naveen, Neal B., BS: (n)

Naziri, Qais, MD: (n)

Nebergall, Audrey K., BS: (n)

Nelson, Charles L., MD: American Association of Hip and Knee Surgeons: Board or committee member; American Orthopaedic Association: Board or committee member; Zimmer: Paid consultant

Nepple, Jeffrey, MD: Smith & Nephew: Paid consultant, Paid presenter or speaker; Zimmer: Research support

Newman, Jared M., MD: (n)

Nguyen, Hai, MD: Smith & Nephew: Paid consultant

Nguyen, Long-Co, BS: (n)

Nies, Matthew, MD: (n)

Noble, Philip, PhD: CeramTech: Research support; International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member; Joint View, LLC: Stock or stock Options; Journal of Arthroplasty: Editorial or governing board; Journal of Hip Preservation Surgery: Editorial or governing board; Knee Society: Board or committee member; Musculoskeletal Transplant Foundation: Other financial or material support; Smith & Nephew: Research support; Springer: Publishing royalties, financial or material support; Stryker: IP royalties; Zimmer: IP royalties, Paid consultant, Research support

Nocon, Allina, MPH: (n)

Nodzo, Scott R., MD: NanoAxis, LLC: Unpaid consultant

Norambuena, German A., MD: (n)

Nunley, Ryan M., MD: American Association of Hip and Knee Surgeons: Board or committee member; Biocomposites: Paid consultant; Biomet: Research support; Blue Belt Technology: Paid consultant; Cardinal Health: Paid consultant; DePuy, A Johnson & Johnson Company: Paid consultant, Research support; Halyard: Paid consultant; Medical Compression System Inc: Paid consultant; Medical Compression Systems, Inc.: Research support; Medtronic: Paid consultant; Microport: IP royalties, Paid consultant; Mirus: Paid consultant; Missouri State Orthopaedic Association Board Member: Board or committee member; Smith & Nephew: Paid consultant, Research support; Southern Orthopaedic Association Board Member: Board or committee member; Stryker: Research support

O'Neill, Owen R., MD: Medtronic: Paid consultant, Paid presenter or speaker; Responsive Orthopedics: IP royalties

Odum, Susan, PhD: American Association of Hip and Knee Surgeons: Board or committee member; Ceramtec: Paid presenter or speaker; Journal of Arthroplasty: Editorial or governing board

Oi, Kathryn K., BA: (n)

Okafor, Richard, MD: (n)

Okroj, Kamil, BA: (n)

Olcott, Christopher W., MD: (n)

Oliashirazi, Ali, MD: DePuy, A Johnson & Johnson Company: Paid consultant, Paid presenter or speaker, Research support

Ollivier, Matthieu, MD, MS: (n)

Olson, Jessica S., BS: (n)

Olswing, Andrew D., MD: (n)

Ong, Alvin C., MD: Journal of Arthroplasty, Journal of Orthopedic Surgery and Research: Editorial or governing board; Smith & Nephew: Paid consultant; Stryker: Paid consultant; Zimmer: Research support

Ong, Kevin, PhD: DJ Orthopaedics: Research support; Ethicon: Research support; Ferring Pharmaceuticals: Research support; Journal of Arthroplasty: Editorial or governing board; Medtronic: Research support; Ossur: Research support; Pacira Pharmaceuticals: Research support; Paradigm Spine: Research support; Stryker: Research support; Taylor & Francis: Publishing royalties, financial or material support; Zimmer: Research support

Orozco, Fabio R., MD: Corentec: Paid consultant; Journal of arthroplasty: Editorial or governing board; Stryker: Paid consultant

Ortiguera, Cedric J., MD: (n)

Ortiz, Philippe, BA: (n)

Osmani, Feroz A., BS: (n)

Osmon, Douglas R., MD: Musculskeletal infection society: Board or committee member

Otero, Jesse, MD, PhD: (n)

Ouakrim, Youssef, MSc: (n)

Paddock, Nicholas G., BS: (n)

Padgett, Douglas E., MD: American Joint Replacement Registry: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Mako: Paid consultant; Medical Compression Systems: Paid

consultant; Stryker: Paid consultant, Paid presenter or speaker; The Hip Society: Board or committee member

Pagnano, Mark W., MD: DePuy, A Johnson & Johnson Company: IP royalties; Hip Society: Board or committee member; Knee Society: Board or committee member; Pacira: Paid consultant; Stryker: IP royalties

Parisien, Robert L., MD: (n)

Parvizi, Javad, MD, FRCS: 3M: Research support; CD Diagnostics: Stock or stock Options; Cempra: Research support; CeramTec: Research support; Datatrace: Publishing royalties, financial or material support; DePuy, A Johnson & Johnson Company: Research support; Eastern Orthopaedic Association: Board or committee member; Elsevier: Publishing royalties, financial or material support; Hip Innovation Technology: Stock or stock Options; Jaypee Publishing: Publishing royalties, financial or material support; Journal of Arthroplasty: Editorial or governing board; Journal of Bone and Joint Surgery -American: Editorial or governing board; Journal of Bone and Joint Surgery -British: Editorial or governing board; Muller Foundation: Board or committee member; National Institutes of Health (NIAMS & NICHD): Research support; OREF: Research support; PRN: Stock or stock Options; SLACK Incorporated: Publishing royalties, financial or material support; Smith & Nephew: Paid consultant, Research support; StelKast: Research support; Stryker: Research support; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support; Zimmer: Paid consultant, Research support

Patel, Karan, MD: (n)

Patel, Kishan, DO: (n)

Patel, Preetesh, MD: Medtronic: Paid consultant; Pacira: Paid consultant; Stryker: Paid consultant

Paulino, Carl B., MD: DePuy, A Johnson & Johnson Company; Ethicon: Paid presenter or speaker

Pavlesen, Sonja, MD, MS: (n)

Pearle, Andrew D., MD: Arthrex, Inc: Paid consultant; Stryker: Paid consultant; Zimmer: IP royalties, Paid consultant

Pellegrini, Vincent D., MD: American Orthopaedic Association: Board or committee member; Association of American Medical Colleges, Board of Directors: Board or committee member; Chair, Council of Faculty and Academic Societies, AAMC: Board or committee member; DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant; Health Volunteers Overseas/Orthopaedics Overseas, Board of Directors: Board or committee member; Hip Society: Board or committee member; South Carolina Orthopaedic Association, Board of Directors: Board or committee member; Synthes: Research support

Pelt, Christopher E., MD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Biomet: Paid consultant, Paid presenter or speaker, Research support; Pacira: Research support, Unpaid consultant

```
Penny, Gregory S., BS: (n)
```

Penrose, Colin, MD: (n)

Peres-da-Silva, Ashwin B, BS: (n) Perez, Jorge L., MD: (n) Perfetti, Dean C., BA: (n) Perry, Kevin I., MD: (n)

Peters, Christopher L., MD: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Biomet: IP royalties, Paid consultant, Paid presenter or speaker, Research support; CoNextions Medical: Stock or stock Options; Hip Society: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Journal of Hip Preservation: Editorial or governing board; Knee Society: Board or committee member

Petrie, Jeffrey, MD: (n)

Phillips, Matthew J., MD: Biomet: Research support; Greatbatch: Paid consultant; Stryker: Paid consultant, Research support

Piccaluga, Francisco, MD: (n)

Pierrepont, Jim W., PhD, MEng: Corin Group: Employee, Stock or stock Options

Planckaert, Celia, MSc: (n)

Plate, Johannes F., MD, PhD: (n)

Plourde, Anna, MD: (n)

Plummer, Darren, MD, MBA: (n)

Pomeroy, Donald L., MD: DePuy, A Johnson & Johnson Company: Paid consultant, Research support

Ponce, Brent A., MD: Arthrex, Inc: Research support; Help Lightning: Stock or stock Options; Tornier: Paid consultant, Paid presenter or speaker, Research support

Post, Zachary D., MD: DePuy, A Johnson & Johnson Company: Paid consultant; Journal of Bone and Joint Surgery - American: Publishing royalties, financial or material support; Orthodevelopment: Paid consultant; Smith & Nephew: Paid consultant; Research support; Stryker: Paid consultant

Pugely, Andrew, MD: AAOS: Board or committee member Clinical Orthopaedics and Related Research: Editorial or governing board

Purtill, James J., MD: Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Arthroplasty: Editorial or governing board; Knee: Editorial or governing board; Omega Medical Grants: Board or committee member

Puvanesaraj, Varun, MD: (n)

Ramkumar, Dipak B., MD, MS: (n)

Ramkumar, Niveditta, MPH: (n)

Ranawat, Amar, MD: AAHKS: Board or committee member; AAOS: Board or committee member; Arthrex, Inc: Paid consultant; Ceramtec: Paid consultant; Research support; ConforMIS: Stock or stock Options; DePuy, A Johnson & Johnson Company: IP royalties; Other financial or material support, Paid consultant, Paid presenter or speaker, Research; EOA: Board or committee member; Journal of Arthroplasty, CORR, JBJS: Editorial or governing board; Mako, ConforMIS, Pipeline: IP royalties; Mako, Convatec: Paid presenter or speaker; NA: Publishing royalties, financial or material support; Strathspey Crown: Stock or stock Options; Stryker: IP royalties, Other financial or material support, Paid presenter or speaker, Research support; The Hip Society: Board or committee member; The Knee Society: Board or committee member

Ranger, Pierre, FRCS (Ortho), MD, MSc: Bioventus: Paid consultant; Corin: Paid consultant; Eli Lilly: Other financial or material support; Horizon Pharma: Other financial or material support; Johnson & Johnson: Other financial or material support; Sanofi-Aventis: Paid consultant; Smith & Nephew: Paid consultant

Rathod, Parthiv, MD: (n)

Reardon, Gerald, MD, FRCSC: (n)

Restrepo, Camilo, MD: (n)

Ricciardi, Benjamin, MD: (n)

Richardson, Christopher Glen, MD, FRCSC, MSc: Canadian Orthopaedic Association: Board or committee member; Canadian RSA Network: Board or committee member; DePuy, A Johnson & Johnson Company: Research support; Stryker: Paid consultant, Paid presenter or speaker, Research support

Ries, Michael, MD: Foundation for the Advancement of Research in Medicine: Board or committee member; OrthAlign: Stock or stock Options; Smith & Nephew: IP royalties, Paid consultant; Stryker: IP royalties, Paid consultant

Riesgo, Aldo M., MD: (n)

Ring, David, MD, PhD: AAOS: Board or committee member; Clinical Orthopaedics and Related Research: Editorial or governing board; Journal of Orthopaedic Trauma: Editorial or governing board; Orthopaedic Trauma Association: Board or committee member; Skeletal Dynamics: IP royalties; Wright Medical Technology, Inc.: IP royalties

Robb III, William J., MD: Innomed: IP royalties; Orthopaedic Research and Education Foundation: Board or committee member; Stryker: Stock or stock Options

Robbins, Christopher, PhD: (n)

Robbins, Claire E., PT, DPT, MS, GCS: (n)

Roberson, James R., MD: American Board of Orthopaedic Surgery, Inc.: Board or committee member; Stryker: Research support

Roche, Martin W., MD: Mako - Stryker: Paid consultant; Mako- Stryker, Orthosensor: IP royalties, Paid presenter or speaker; Makosurgical-Stryker: Research support; Orthosensor: Paid consultant; Orthosensor, Cayenne: Stock or stock Options

Rock, Justin, MS: Merck: Employee

Rodriguez, José A., MD: American Association of Hip and Knee Surgeons: Board or committee member; Clinical Orthopaedics and Related Research, HSS Journal: Editorial or governing board; Conformis: Paid consultant; DePuy, A Johnson & Johnson Company: Research support; Eastern Orthopaedic Association – Nomination; Committee: Board or committee member; Exactech, Inc: IP royalties; Paid consultant; Research support; Journal of Arthroplasty: Editorial or governing board; Medacta: IP royalties; Paid consultant; Smith & Nephew: Paid consultant; Research support

Rolfson, Ola, MD, PhD: International Society of Arthroplasty Registers: Board or committee member; Swedish Hip Arthroplasty Register: Board or committee member

Roney, Patrick, BS: (n)

Ross, Jeremy A., MD: (n)

Rubash, Harry E., MD: Ceramtec: IP royalties; Flexion: Paid consultant; Hip Society: Board or committee member; Orthopaedic Technology Group: Stock or stock Options; Pacira: Paid consultant; Stryker: IP royalties; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Runner, Robert P., MD: (n)

Rupp, Gerald R., PhD: (n)

Russell, Robert D., MD: (n)

Rutter, Michael, MD: (n)

Sabbag, Orlando D., MD: (n)

Sah, Alexander P., MD: Angiotech: Paid presenter or speaker; Convatec: Paid presenter or speaker; Mallinckrodt: Paid presenter or speaker; Medtronic: Paid presenter or speaker; Pacira: Paid presenter or speaker; Zimmer: Research support

Sahota, Shawn, MD: (n)

Saleh, Hesham, BS: (n)

Salehi, Navid, MD: (n)

Saltzman, Bryan M., MD: Clinical Medical Reviews and Case Reports: Editorial or governing board; International Journal of Sports and Exercise Medicine: Editorial or governing board; International Journal of Surgery Research and Practice: Editorial or governing board; Nova Science Publishers: Publishing royalties, financial or material support; Postgraduate Institute for Medicine: Publishing royalties, financial or material support

Samuel, Andre M., MD: (n)

Sattartabar, Babak, MD: (n)

Schemitsch, Emil H., MD, FRCSC: Acumed, LLC: Paid consultant; Canadian Institutes of Health Research (CIHR): Other financial or material support; Canadian Orthopaedic Association: Board or committee member; Journal of Orthopaedic Trauma: Editorial or governing board; OMEGA: Other financial or material support; Orthopaedic Trauma Association: Board or committee member; Osteosynthesis and Trauma Care Foundation: Board or committee member; Sanofi-Aventis: Paid consultant; Saunders/Mosby-Elsevier: Publishing royalties, financial or material support; Smith & Nephew: Other financial or material support, Paid consultant, Research support; Stryker: IP royalties; Other financial or material support; Paid consultant

Synthes: Other financial or material support; Zimmer: Other financial or material support, Paid consultant

Schiltz, Nicholas K., PhD: (n)

Schleck, Cathy D., BS: (n)

Schmidt-Braekling, Tom, MD: (n)

Schoenecker, Perry L., MD: Journal of Children's Orthopaedics: Editorial or governing board; Journal of Pediatric Orthopedics: Editorial or governing board; Pediatric Orthopaedic Society of North America: Board or committee member

Schroder, David T., MD: Pacira: Stock or stock Options; Pfizer: Stock or stock Options

Schroeder, Jacob, BS: (n)

Schumacher, Charles S., MD: (n)

Schwarzkopf, Ran, MD, MSc: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Arthroplasty Today: Editorial or governing board; Gauss surgical: Stock or stock Options; Intelijoint: Paid consultant; Journal of Arthroplasty: Editorial or governing board; Pristine: Stock or stock Options; Smith & Nephew: Paid consultant; Stryker: Paid consultant

Scott, Daniel J., MD, MBA: (n)

Scott, David F., MD: Medacta International: Paid consultant, Paid presenter or speaker, Research support; Microport Orthopedics: Paid consultant, Paid presenter or speaker; OMNI Life Science: Paid consultant, Paid presenter or speaker, Stock or stock Options; Stryker: Paid consultant, Paid presenter or speaker; Stryker, OMNI life science, Novartis, Proctor & Gamble: Research support

Scott, Kelly, MD: (n)

Scotting, Oliver J., MD: (n)

Scuderi, Giles R., MD: Convatec: Paid presenter or speaker; Medtronic: Paid consultant, Paid presenter or speaker; MERZ Pharmaceutical: Paid consultant; Operation Walk USA: Board or committee member; Pacira: Paid consultant, Paid presenter or speaker, Research support; SpringerElsevierThiemeWorld Scientific: Publishing royalties, financial or material support; Zimmer: IP royalties, Paid consultant, Paid presenter or speaker

Sculco, Peter K., MD: (n)

Sculco, Thomas P., MD: American Journal of Orthopedics: Editorial or governing board; Exactech, Inc: IP royalties; Knee Society: Board or committee member

Sepucha, Karen R., PhD: (n)

Sershon, Robert A., MD: (n)

Seyler, Thorsten M., MD, PhD: Editorial Board Member, Bone & Joint Research: Editorial or governing board; Total Joint Orthopedics, Inc.: Paid consultant

Shah, Chirag K., BA: (n)

Shah, Ritesh R., MD: Smith & Nephew: Paid consultant, Paid presenter or speaker; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support; Wright Medical Technology, Inc.: Research support; Zimmer: Research support

Shahi, Alisina, MD: (n)

Shaia, Anthony J., MD: (n)

Shao, Hongyi, MD: (n)

Shaw, Daniel L., BA: (n)

Shaw, Jeremy D., MD: (n)

Shen, Mary R., BS: (n)

Sher, Alex, BS: Merck: Stock or stock Options

Shimmin, Andrew J., MBBS, FRACS, FAOrthA: American Association of Hip and Knee Surgeons: Board or committee member; Corin UK: Research support; corin ukmatortho: IP royalties; corin ukmatortho uk: Paid consultant; matortho UK: Research support; optimized orthopedics: Unpaid consultant; Smith & Nephew: Paid consultant

Shofoluwe, Ademola I., BA, MS: (n)

Shukla, Sanjai K., MD: (n)

Shuler, Thomas E., MD: Tornier: Paid consultant, Paid presenter or speaker; Zimmer: Paid consultant

Sierra, Rafael J., MD: American Association of Hip and Knee Surgeons: Board or committee member; Biomet: IP royalties, Paid consultant, Paid presenter or speaker; DePuy, A Johnson & Johnson Company: Research support; Journal of Arthroplasty: Editorial or governing board; Link Orthopaedics: Paid consultant; Stryker, Biomet: Research support; Zimmer: Research support

Sikora, Matthew K., BS: (n)

Sikora-Klak, Jakub, MD: (n)

Silverton, Craig, DO: Biomet: IP royalties; MOAOS: Board or committee member

Simmons, Leigh H., MD: (n)

Sing, David, BS: (n)

Sink, Ernest L., MD: Pediatric Orthopaedic Society of North America: Board or committee member

Sisko, Zachary W., MD: (n)

Skrepnik, Nebojsa V., MD, PhD: Biomimetic: Research support; Genzyme: Research support; Johnson & Johnson: Research support; Medtronic Sofamor Danek: Research support; Orthofix, Inc.: Paid consultant; Q-med: Paid consultant; Regeneration Technologies, Inc.: Research support; SamuMed: Paid consultant; Sanofi-Aventis: Research support; Smith & Nephew: Research support; Stryker: Research support; Wright Medical Technology, Inc.: Research support

Slotkin, Eric, DO: DePuy, A Johnson & Johnson Company: Paid consultant, Paid presenter or speaker; Pfizer: Paid presenter or speaker; Radlink: Stock or stock Options

Slover, James, MD, MSc: AAOS: Board or committee member; American Association of Hip and Knee Surgeons: Board or committee member; Biomet: Research support

Slullitel, Pablo A., MD: (n)

Smith, Eric L., MD: Arthrocare: Paid consultant; Conformis: Research support; DePuy, A Johnson & Johnson Company: Paid consultant, Research support; OMNI: Paid consultant, Research support, Unpaid consultant; Pfizer: Research support; Stryker: Research support

Smith, Ross P., MD: (n)

Solomon, Michael, MBChB, FRACS(Orth): Medacta: Paid consultant

Somerville, Lyndsay, PhD: (n)

Sousa, Paul L., MD: (n)

Spangehl, Mark J., MD: Arthroplasty Today: Editorial or governing board; DePuy, A Johnson & Johnson Company: Research support; Journal of Arthroplasty: Editorial or governing board; Stryker: Research support; Vidacare: Research support

Sparks, Michael B., MD: (n)

Spiro, Sara, BS: (n)

Sporer, Scott M., MD: American Joint Replacement Registry: Board or committee member; Central Dupage Hospital: Research support; DJ Orthopaedics: Paid consultant; Hip Society: Board or committee member; Paciria: Paid consultant; SLACK Incorporated: Publishing royalties, financial or material support; Smith & Nephew: Paid consultant; Stryker: Research support; Zimmer: Paid consultant, Research support

Springer, Bryan D., MD: AJRR: Board or committee member; Arthroplasty Today: Editorial or governing board; Convatec: Paid consultant; Joint purifications systems: Other financial or material support; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member; Stryker: IP royalties, Paid consultant

Squire, Matthew, MD, MS: American Journal of Roentgenology: Editorial or governing board; Biomet: IP royalties, Paid consultant; Journal of Arthroplasty: Editorial or governing board

Steiger, David, MD: (n)

Stoddard, Leland, BA: (n)

Stronach, Benjamin M., MD, MS: Mississippi Orthopaedic Society: Board or committee member

Strong, Benjamin, MD: (n)

Stuart, Michael J., MD: American Journal of Sports Medicine: Editorial or governing board; Arthrex, Inc: IP royalties, Paid consultant; Stryker: Research support

Su, Edwin P., MD: American Journal of Orthopedics: Editorial or governing board; Orthoalign, Inc: Stock or stock Options; Smith & Nephew: Paid consultant, Research support; Techniques in Orthopedics: Editorial or governing board

Su, Sherwin L., MD: Smith & Nephew: Research support

Suarez, Juan C., MD: Corin U.S.A.: IP royalties; DePuy, A Johnson & Johnson Company: Paid presenter or speaker; lovera: Research support; OrthoGrid: Research support; Pacira: Research support

Suleiman, Linda I., MD: (n)

Summers, Spencer, MD: (n)

Sunderland, Adam, MD: (n)

Swenson, Eric R., PhD: (n)

Tait, Mark A., MD: (n)

Taliaferro, Kevin M., MD: (n)

Talmo, Carl T., MD: Astra-Zeneca: Employee; Journal of Arthroplasty: Editorial or governing board

Tan, Dean D., BS: (n)

Tan, Timothy L., MD: (n)

Tapp, Stephanie J., PhD: (n)

Tarabichi, Majd, MD: (n)

Taunton, Michael J., MD: AAOS: Board or committee member; DJ Orthopaedics: IP royalties, Paid consultant; Journal of Arthroplasty: Editorial or governing board Minnesota Orthopedic Society: Board or committee member; Stryker: Research support

Teeter, Matthew G., PhD: Smith & Nephew: Research support

Temkit, M'Hamed, PhD: (n)

Tessier, John, E., MD: Smith & Nephew: Other financial or material support

Tetreault, Matthew W., MD: (n) Thakkar, Savyasachi C., MD: (n) Thauront, Frédéric, MSc: Zimmer: Employee Thomason, Kayla, BS: (n) Tian, Shaoqi, MD: (n) Tischler, Eric H., BA: (n) Trask, Darrin J., MD: (n) Trimble, Dory, BA: (n) Trivellas, Myra, BS: (n)

Troelsen, Anders, MD, PhD: Biomet: Other financial or material support; Paid consultant, Paid presenter or speaker, Research support; EKS - European Knee Society (Board member): Board or committee member; Zimmer: Research support

Trousdale, Robert T., MD: American Association of Hip and Knee Surgeons: Board or committee member; DePuy, A Johnson & Johnson Company: IP royalties, Paid consultant; Hip Society: Board or committee member; Journal of Arthroplasty: Editorial or governing board; Knee Society: Board or committee member; Medtronic: IP royalties

Tsai, Tsung-Yuan, PhD: (n)

Vahedi Kafshgari, Hamed, MD: (n)

Van Citters, Douglas W., PhD: ConforMIS: Other financial or material support; DePuy, A Johnson & Johnson Company: Other financial or material support, Research support; Orthosensor: Research support

van der List, Jelle P., MD: (n)

Van Doren, Bryce A., MPA, MPH: (n)

van Wijnen, Andre J., PhD: (n)

Vanacore, Catherine, MS: Stryker: Employee; Stock or stock Options

Vasarhelyi, Edward M., MD: DePuy, A Johnson & Johnson Company: Paid consultant, Research support; Smith & Nephew: Research support; Stryker: Research support

Vaz, Kenneth M., MD: (n)

Vigdorchik, Jonathan M., MD: (n)

Vilella, Fernando E., MD: Smith & Nephew: Paid consultant

Villa, Jesus M., MD: (n)

Villa, Jordan C., MD: (n)

Viste, Anthony, MD, PhD: (n)

Vu, CatPhuong Le, BA: (n)

Wagner, Eric R., MD: (n)

Waldstein, Wenzel, MD: (n)

Walter, Leonard R., MBBS, FRACS, FAOrthA: Corin, UK: IP royalties; Optimized Ortho: Paid consultant

Wang, Kevin, MD: (n)

Wannomae, Keith K., BS: (n)

Ward, Derek, MD: (n)

Ward, Joseph P., MD: (n)

Ware, Jr., John E., PhD: (n)

Warth, Lucian C., MD: (n)

Watson, Shawna, BA: (n)

Watters, Tyler S., MD: (n)

Watts, Chad D., MD: (n)

Weiss, David B., MD: Orthopaedic Trauma Association: Board or committee member; Saunders/Mosby-Elsevier: Publishing royalties, financial or material support; Synthes: Paid presenter or speaker

Wellman, Samuel S., MD: Biomet: Research support; DePuy, A Johnson & Johnson Company: Research support; Journal of Arthroplasty: Editorial or governing board; Stryker: Research support; Total Joint Orthopaedics: Paid consultant; Zimmer: Research support

Wells, Joel E., MD, MPH: (n)

Wentzel, Catherine S., BS: (n)

Werner, Brian C., MD: (n)

Weston, John T., MD: (n)

Westrich, Geoffrey H., MD: DJ Orthopaedics: Paid consultant, Paid presenter or speaker, Research support; Eastern Orthopedic Association: Board or committee member; Exactech, Inc: Paid consultant, Paid presenter or speaker, Research support

Knee Society: Board or committee member; Mallinckrodt Pharmaceuticals: Paid presenter or speaker; Stryker: Paid consultant, Paid presenter or speaker, Research support

Westrich, Geoffrey H., MD: DJ Orthopaedics: Paid consultant, Paid presenter or speaker, Research support; Eastern Orthopedic Association: Board or committee member; Exactech, Inc: Paid consultant, Paid presenter or speaker, Research support; Knee Society: Board or committee member; Mallinckrodt Pharmaceuticals: Paid presenter or speaker; Stryker: Paid consultant, Paid presenter or speaker, Research support

Whynot, Sara, MLT dHSA: (n)

Williams, Devin, MPH: (n)

Wingert, Nathaniel C. H., MD: (n)

Wohler, Andrew D., MD: (n)

Woll, Abbigail K., BS: (n)

Woodward, Laura A., DNP, ONP-C: (n)

Woolsey, Alexandra, BA: (n)

Wright, David John, MS: (n)

Wright, Timothy M., PhD: Exactech, Inc: IP royalties; Stock or stock Options; Knee Society: Board or committee member; Lima: IP royalties; Mathys Ltd: IP royalties; Orthobond: Stock or stock Options; Stryker: Research support; Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Wyles, Cody C., MD: (n)

Wylie, James D., MD: (n)

Yan, Jian, MD, PhD: (n)

Yang, Charlie C., MD: DePuy, A Johnson & Johnson Company: Paid consultant, Paid presenter or speaker

Yang, Wenyun, MS: (n)

Yao, Dong-han, BA: (n)

Yarboro, Seth R., MD: (n)

Yin, Jonathan, MD: (n)

Young, Grant H., BS: (n)

Young, Simon W., FRACS: Arthrex, Inc: Paid presenter or speaker; Stryker: Paid presenter or speaker, Research support; Surgical Solutions: Stock or stock Options; Vidacare: Research support

Yu, Stephen, MD: (n)

Yuan, Brandon J., MD: (n)

Yuen, Erick: (n)

Zadzilka, Jayson, MS: (n)

Zarandona, Xabier Foruna, MD: (n)

Zarling, Bradley J., MD: (n)

Zhen, Yuan Sr., MD: (n)

Zheng, Hua, PhD: (n)

Ziemba-Davis, Mary, BS: (n)

Zingg, Matthieu, MD: (n)

Zvirbulis, Raimonds, MD: (n)