

FAITH Investigators

Steering Committee: Mohit Bhandari (Chair, McMaster University), Marc Swiontkowski (University of Minnesota), PJ Devereaux (McMaster University), Gordon Guyatt (McMaster University), Martin J. Heetveld (Spaarne Gasthuis, Haarlem), Kyle Jeray (Greenville Health System), Susan Liew (The Alfred), Martin Richardson (University of Melbourne), Emil H. Schemitsch (University of Western Ontario), Lehana Thabane (McMaster University), Paul Tornetta III (Boston University Medical Center), and Stephen D. Walter (McMaster University)

Global Methods Centre: Mohit Bhandari (Principal Investigator); Sheila Sprague (Research Methodologist); Paula McKay (Manager); Taryn Scott, Alisha Garibaldi, Helena Viveiros, Marilyn Swinton, (Research Coordination); Mark Gichuru, Sofia Bzovsky (Adjudication Coordination); Diane Heels-Ansdell, Qi Zhou (Statistical Analysis); Lisa Buckingham, Aravin Duraikannan (Data Management); Deborah Maddock, Nicole Simunovic (Grants Management) (McMaster University)

United States Methods Centre: Marc Swiontkowski (Principal Investigator); Julie Agel (Research Coordination) (University of Minnesota)

Netherlands Method Centre: Martin J. Heetveld (Principal Investigator); Esther M.M. Van Lieshout (Research Coordination); Stephanie M. Zielinski (Trial Coordination) (Erasmus MC, University Medical Center Rotterdam)

United Kingdom Method Centre: Amar Rangan (Principal Investigator), Birgit C. Hanusch, Lucksy Kottam, Rachel Clarkson (Research Coordination) (The James Cook University Hospital)

Adjudication Committee: Gregory J. Della Rocca (Chair) (Duke University), Robert Haverlag (Onze Lieve Vrouwe Gasthuis), Susan Liew (The Alfred), Gerard P. Slobogean (University of Maryland, Baltimore), Kyle Jeray (Greenville Health System)

Participating Clinical Sites:

Canada

Royal Columbian Hospital / Fraser Health Authority / University of British Columbia - Robert McCormack, Kelly Apostle, Dory Boyer, Farhad Moola, Bertrand Perey, Trevor Stone, Darius Viskontas, H. Michael Lemke, Mauri Zomar, Karyn Moon, Raeli Moon, Amber Oatt

Foothills Medical Centre - Richard E. Buckley, Paul Duffy, Robert Korley, Shannon Puloski, James Powell, Kelly Johnston, Kimberly Carcary, Melissa Lorenzo, Ross McKercher

London Health Sciences Centre - David Sanders, Mark MacLeod, Abdel-Rahman Lawendy, Christina Tieszer

Sunnybrook Health Sciences Centre - David Stephen, Hans Kreder, Richard Jenkinson, Markku Nousiainen, Terry Axelrod, John Murnaghan, Diane Nam, Veronica Wadey, Albert Yee, Katrine Milner, Monica Kunz, Wesley Ghent

St. Michael's Hospital - Emil H. Schemitsch, Michael D. McKee, Jeremy A. Hall, Aaron Nauth, Henry Ahn, Daniel B. Whelan, Milena R. Vicente, Lisa M. Wild, Ryan M. Khan, Jennifer T. Hidy

Queen Elizabeth II Health Sciences Centre - Chad Coles, Ross Leighton, Michael Biddulph, David Johnston, Mark Glazebrook, David Alexander, Catherine Coady, Michael Dunbar, J. David Amirault, Michael Gross, William Oxner, Gerald Reardon, C. Glen Richardson, J. Andrew Trenholm, Ivan Wong, Kelly Trask, Shelley MacDonald, Gwendolyn Dobbin

Human Mobility Research Centre, Queen's University and Kingston General Hospital - Ryan Bicknell, Jeff Yach, Davide Bardana, Gavin Wood, Mark Harrison, David Yen, Sue Lambert, Fiona Howells, Angela Ward

Oakville Trafalgar Memorial Hospital - Paul Zalzal, Heather Brien, V. Naumetz, Brad Weening, Nicole Simunovic

The Ottawa Hospital - Eugene K. Wai, Steve Papp, Wade T. Gofton, Allen Liew, Stephen P. Kingwell, Garth Johnson, Joseph O'Neil, Darren M. Roffey, Vivian Borsella

Juravinski Hospital and Cancer Centre - Victoria Avram

United States

Boone Hospital Center – Columbia Orthopaedic Group - Todd M. Oliver, Vicki Jones, Michelle Vogt

Orthopaedic Associates of Michigan - Clifford B. Jones, James R. Ringler, Terrence J. Endres, Debra L. Sietsema, Jane E. Walker

Greenville Health System - Kyle J. Jeray, J. Scott Broderick, David R. Goetz, Thomas B. Pace, Thomas M. Schaller, Scott E. Porter, Michael L. Beckish, John D. Adams, Benjamin B. Barden, Aaron T. Creek, Stephen H. Finley, Jonathan L. Foret, Garland K. Gudger Jr, Richard W. Gurich Jr, Austin D. Hill, Steven M. Hollenbeck, Lyle T. Jackson, Kevin K. Kruse, III, Wesley G. Lackey, Justin W. Langan, Julia Lee, Lauren C. Leffler, Timothy J. Miller, R. Lee Murphy, Jr., Lawrence K. O'Malley II, Melissa E. Peters, Dustin M. Price, John A. Tanksley, Jr., Erick T. Torres, Dylan J. Watson, Scott T. Watson, Stephanie L. Tanner, Rebecca G. Snider, Lauren A. Nastoff, Shea A. Bielby, Robert J. Teasdall

Regions Hospital-University of Minnesota - Julie A. Switzer, Peter A. Cole, Sarah A. Anderson, Paul M. Lafferty, Mengnai Li, Thuan V. Ly, Scott B. Marston, Amy L. Foley, Sandy Vang, David M. Wright

Lahey Hospital & Medical Center - Andrew J. Marcantonio, Michael S.H. Kain, Richard Iorio, Lawrence M. Specht, John F. Tilzey, Margaret J. Lobo, John S. Garfi

MetroHealth Medical Center - Heather A. Vallier, Andrea Dolenc, Mary Breslin

Miami Valley Hospital - Michael J. Prayson, Richard Laughlin, L. Joseph Rubino, Jedediah May, Geoffrey Ryan Rieser, Liz Dulaney-Cripe, Chris Gayton

St. Elizabeth Youngstown Hospital - James Shaer, Tyson Schrickel, Barbara Hileman

University of Rochester Medical Center - John T. Gorczyca, Jonathan M. Gross, Catherine A. Humphrey, Stephen Kates, John P. Ketzer, Krista Noble, Allison W. McIntyre, Kaili Pecorella

Colorado Orthopedic Consultants - Craig A. Davis, Stuart Weinerman, Peter Weingarten, Philip Stull, Stephen Lindenbaum, Michael Hewitt, John Schwappach, Janell K. Baker, Tori Rutherford, Heike Newman, Shane Lieberman, Erin Finn, Kristin Robbins, Meghan Hurley, Lindsey Lyle, Khalis Mitchell, Kieran Browner, Erica Whatley, Krystal Payton, Christina Reeves

St. Louis University Hospital - Lisa K. Cannada, David E. Karges, Sarah A. Dawson

University of Pennsylvania - Samir Mehta, John Esterhai, Jaimo Ahn, Derek Donegan, Annamarie D. Horan, Patrick J. Hesketh, Evan R. Bannister

Northwest Orthopaedic Specialists - Jonathan P. Kieve, Christopher G. Anderson, Michael D. McDonald, Jodi M. Hoffman

University of Pittsburgh Medical Center - Ivan Tarkin, Peter Siska, Gary Gruen, Andrew Evans, Dana J. Farrell, James Irrgang, Arlene Luther

Mayo Clinic - William W. Cross III, Joseph R. Cass, Stephen A. Sems, Michael E. Torchia, Tyson Scrabeck

Texas Tech University Health Sciences Center – Lubbock - Mark Jenkins, Jules Dumais, Amanda W. Romero

University Orthopaedic Associates, LLC - Carlos A. Sagebien, Mark S. Butler, James T. Monica, Patricia Seuffert

US Army Institute of Surgical Research - Joseph R. Hsu, Daniel Stinner, James Ficke, Michael Charlton, Matthew Napierala, Mary Fan

Boston University Medical Center - Paul Tornetta III, Chadi Tannoury, Hope Carlisle, Heather Silva

UC Health/University of Cincinnati Medical Center - Michael Archdeacon, Ryan Finnan, Toan Le, John Wyrick, Shelley Hess

Scott and White Memorial Hospital - Michael L. Brennan, Robert Probe, Evelyn Kile, Kelli Mills, Lydia Clipper, Michelle Yu, Katie Erwin

Geisinger Medical Center - Daniel Horwitz, Kent Strohecker, Teresa K. Swenson

Hennepin County Medical Center - Andrew H. Schmidt, Jerald R. Westberg

Kaiser Permanente - Kamran Aurang, Gary Zohman, Brett Peterson, Roger B. Huff

OrthoIndy Trauma St. Vincent Trauma Center - Joseph Baele, Timothy Weber, Matt Edison

Santa Clara Valley Medical Center - Jessica Cooper McBeth

Indiana University – Eskenazi Health Services - Karl Shively, Janos P. Ertl, Brian Mullis, J. Andrew Parr, Ripley Worman, Valda Frizzell, Molly M. Moore

Mission Hospital Research Institute - Charles J. DePaolo, Rachel Alosky, Leslie E. Shell, Lynne Hampton, Stephanie Shepard, Tracy Nanney, Claudine Cuento

Dartmouth-Hitchcock Medical Center - Robert V. Cantu, Eric R. Henderson, Linda S. Eickhoff

Denver Health and Hospital Authority - E. Mark Hammerberg, Philip Stahel, David Hak, Cyril Mauffrey, Corey Henderson, Hannah Gissel, Douglas Gibula

University of California Irvine Medical Center - David P. Zamorano, Martin C. Tynan, Deeba Pourmand, Deanna Lawson

University of Missouri Health Care - Gregory J. Della Rocca, Brett D. Crist, Yvonne M. Murtha, Linda K. Anderson

Covenant Healthcare of Saginaw - Colleen Linehan, Lindsey Pilling

Hartford Hospital - Courtland G. Lewis, Stephanie Caminiti, Raymond J. Sullivan, Elizabeth Roper

Vanderbilt University Medical Center - William Obremskey, Philip Kregor, Justin E. Richards, Kenya Stringfellow

Western Slope Study Group - Michael P. Dohm, Abby Zellar

The Netherlands

St. Antonius Ziekenhuis - Michiel J.M. Segers, Jacco A.C. Zijl, Bart Verhoeven, Anke B. Smits, Jean Paul P.M. de Vries, Bram Fioole, Henk van der Hoeven, Evert B.M. Theunissen, Tammo S. de Vries Reilingh, Lonneke Govaert, Philippe Wittich, Maurits de Brauw, Jan Wille, Peter M.N.Y.M. Go, Ewan D. Ritchie, Ronald N. Wessel, Eric R. Hammacher

Kennemer Gasthuis - Martin J. Heetveld, Gijs A. Visser, Heyn Stockmann, Rob Silvis, Jaap P. Snellen, Bram Rijbroek, Joris J.G. Scheepers, Erik G.J. Vermeulen, Michiel P.C. Siroen, Ronald Vuylsteke, Hans L.F. Brom, Herman Rijna

IJsselland Ziekenhuis - Piet A.R. de Rijke, Cees L. Koppert, Steven E. Buijk, Richard P.R. Groenendijk, Imro Dawson, Geert W.M. Tetteroo, Milko M.M. Bruijninx, Pascal G. Doornebosch, Eelco J.R. de Graaf

Reinier de Graaf Gasthuis - Maarten van der Elst, Carmen C. van der Pol, Martijne van 't Riet, Tom M. Karsten, Mark R. de Vries, Laurents P.S. Stassen, Niels W.L. Schep, G. Ben Schmidt, W.H. Hoffman

Onze Lieve Vrouwe Gasthuis - Rudolf W. Poolman, Maarten P. Simons, Frank H.W.M. van der Heijden, W. Jaap Willems, Frank R.A.J. de Meulemeester, Cor P. van der Hart, Kahn Turckan, Sebastiaan Festen, Frank de Nies, Robert Haverlag, Nico J.M. Out, Jan Bosma

University Medical Center St. Radboud - Albert van Kampen, Jan Biert, Arie B. van Vugt, Michael J.R. Edwards, Taco J. Blokhuis, Jan Paul M. Frölke, Leo M.G. Geeraedts, Jean W.M. Gardeniers, Edward C.T.H. Tan, Lodewijk M.S.J. Poelhekke, Maarten C. de Waal Malefijt, Bart Schreurs

Maasstad Ziekenhuis - Gert R Roukema, Hong A. Josaputra, Paul Keller, Peter D. de Rooij, Hans Kuiken, Han Boxma, Berry I. Cleffken, Ronald Liem

Medisch Centrum Haaglanden - Steven J. Rhemrev, Coks H.R. Bosman, Alexander de Mol van Otterloo, Jochem Hoogendoorn, Alexander C. de Vries, Sven A.G. Meylaerts

St. Elisabeth Ziekenhuis - Michiel H.J. Verhofstad, Joost Meijer, Teun van Egmond, Frank H.W.M. van der Heijden, Igor van der Brand

Erasmus MC, University Medical Center Rotterdam - Peter Patka, Martin G. Eversdijk, Rolf Peters, Dennis Den Hartog, Oscar J.F. Van Waes, Pim Oprel

Tergooi Ziekenhuizen - Harm M van der Vis, Martin Campo, Ronald Verhagen, G.H. Robert Albers, Arthur W. Zurcher

University Medical Center Utrecht - Rogier K.J. Simmermacher, Jeroen van Mulken, Karlijn van Wesse, Taco J. Blokhuis, Steven M. van Gaalen, Luke P.H. Leenen

Bronovo Ziekenhuis - Maarten W.G.A. Bronkhorst, Onno R. Guicherit

Academic Medical Center - J. Carel Goslings, Robert Haverlag, Kees Jan Ponsen

Germany

University of Aachen Medical Center - Hans-Christoph Pape, Matthias Knobe, Roman Pfeifer

Norway

Oslo University Hospital - Frede Frihagen, John Clarke-Jenssen, Geir Hjorthaug, Torben Ianssen, Asgeir Amundsen, Jan Egil Brattgjerd, Tor Borch, Berthe Bøe, Bernhard Flatøy, Sondre Hasselund, Knut Jørgen Haug, Kim Hemlock, Tor Magne Hoseth, Geir Jomaas, Thomas Kibsgård, Tarjei Lona, Gilbert Moatshe, Oliver Müller, Marius Molund, Tor Nicolaisen, Fredrik Nilsen,

Jonas Rydinge, Morten Smedsrud, Are Stødle, Axel Trommer, Stein Ugland, Anders Karlsten, Guri Ekås, Elise Berg Vesterhus, Anne Christine Brekke

United Kingdom

University Hospital of North Tees - Peter Hull, Sophie Lewis, Simone Evans (*Cambridge University Hospitals, England*); Rajesh Nanda, Rajanikanth Logishetty, Sanjeev Anand, Carol Bowler

University Hospital of North Durham and Darlington Memorial Hospital - Andrew Jennings, Graham Chuter, Glynis Rose, Gillian Horner

Wexham Park Hospital - Callum Clark, Kate Eke

Northumbria Healthcare NHS Foundation Trust - Mike Reed, Dominic Inman, Chris Herriott, Christine Dobb

Australia

The Alfred - Susan Liew, Harvinder Bedi, Ashley Carr, Hamish Curry, Andrew Chia, Steve Csongvay, Craig Donohue, Stephen Doig, Elton Edwards, Greg Etherington, Max Esser, Andrew Gong, Arvind Jain, Doug Li, Russell Miller, Ash Moaveni, Matthias Russ, Lu Ton, Otis Wang, Adam Dowrick, Zoe Murdoch, Claire Sage

Royal Brisbane and Women's Hospital - Kevin Tetsworth, Geoff Donald, Patrick Weinrauch, Paul Pincus, Steven Yang, Brett Halliday, Trevor Gervais, Michael Holt, Annette Flynn

Royal Melbourne Hospital - Marinis Pirpiris, David Love, Andrew Bucknill, Richard J Farrugia

India

RLB Hospital and Research Centre - Mahesh Bhatia, Vinod Arora, Vivek Tyagi

Nirmal Hospital - Ajay Gupta, Neeraj Jain, Farah Khan

Satellite Orthopaedic Hospital and Research Centre - Ateet Sharma, Amir Sanghavi, Mittal Trivedi

Highway Hospital - Anil Rai, Subash, Kamal Rai

Popular Hospital - Vineet Yadav, Sanjay Singh, Kamal Rai

Madhuraj Nursing Home - Amal Shankar Prasad, Vimlesh Mishra

M.S. Rammaiah Medical College & Hospital - D.C. Sundaresh, Angshuman Khanna

St John's Medical College Hospital - Joe Joseph Cherian, Davy J Olakkengil, Gaurav Sharma

Sunshine Hospital - Akhil Dadi, Naveen Palla, Utsav Ganguly

Unity Health Complex - B. Sachidananda Rai, Janakiraman Rajakumar

HEALTH Investigators

Steering Committee: Mohit Bhandari (Chair, McMaster University), P.J. Devereaux (McMaster University), Thomas A. Einhorn (New York University Langone Medical Center), Frede Frihagen (Oslo University Hospital), Ernesto Guerra-Farfán (Hospital Vall d'Hebrón), Kenneth J. Koval (Orlando Regional Medical Centre), Rudolf W. Poolman (OLVG), Emil H. Schemitsch (University of Western Ontario), Kevin Tetsworth (University of Queensland), Lehana Thabane (McMaster University), Stephen D. Walter (McMaster University), Gordon H. Guyatt (McMaster University)

Global Methods Centre: Mohit Bhandari (Principal Investigator); Sheila Sprague (Research Director); Paula McKay (Manager); Kim Madden, Sofia Bzovsky, Kerry Tai, Taryn Scott, Marilyn Swinton (Research Coordination); Naveen Khan (Adjudication Coordination); Diane Heels-Ansdell (Statistical Analysis); Lisa Buckingham, Aravin Duraikannan (Data Management); (McMaster University)

United States Methods Centre: Thomas A. Einhorn (Principal Investigator); Heather Silva (Research Coordination) (Boston University Medical Center). Thomas A. Einhorn, David Novikov, Daniel P. Waren (New York University)

Netherlands Methods Centre: Ydo V. Kleinlugtenbelt, Ellie B.M. Landman (Deventer Ziekenhuis; Definitive). Martin J. Heetveld, Rudolf W. Poolman, Esther M.M. Van Lieshout, Paul T.P.W. Burgers (Erasmus MC, University Medical Center Rotterdam, Rotterdam; Pilot)

United Kingdom Methods Centre: Amar Rangan (The James Cook University Hospital, South Tees Hospitals NHS Foundation Trust, University of Oxford, University of York), Birgit Hanusch, Lucksy Kottam (The James Cook University Hospital, South Tees Hospitals NHS Foundation Trust)

Central Adjudication Committee: Robert D. Zura (Chair, Louisiana State University Health Sciences Center), Victoria Avram (McMaster University), Ajay Manjoo (McMaster University)

Data and Safety Monitoring Board (CIHR): John Antoniou (Chair), Tim Ramsay, Earl R. Bogoch, Andrew Trenholm

Data and Safety Monitoring Board (NIH): Stephen Lyman (Chair), Madhu Mazumdar, Kevin J. Bozic, Mark Luborsky, Stuart Goodman, Susan Muray, Benjamin K. Potter

Statistical Support: Diane Heels-Ansdell, Lehana Thabane, Nathan N. O'Hara, Gerard P. Slobogean, Quazi Ibrahim

Participating Clinical Sites:

Canada

University of Calgary - Richard Buckley, Robert Korley, Paul Duffy, Shannon Puloski, Eldridge Batuyong, Christopher Martin, James MacKenzie, Jason Werle, Kelly Johnston, Neil White, Marcia Clark, Gregory Abelseh, Stephen Hunt, Justin LeBlanc, Prism Schneider, Kimberly Carcary, Ross McKercher, Lisa Murphy, Melissa Lorenzo, Tanja Harrison, Leah Schultz, Aftab Akbari, Stephanie Yee, Tina Samuel, Saboura Mahdavi

University of British Columbia/Fraser Health Authority/Royal Columbian Hospital - Trevor B. Stone, Bertrand Perey, Farhad Moola, Darius Viskontas, Kelly Apostle, Dory Boyer, H. Michael Lemke, Robert McCormack, Mauri Zomar, Bindu Mohan, Karyn Moon, Raely Pritchard, Brenda Chen Fan, Kyrsten Payne

St. Michael's Hospital - Aaron Nauth, Emil H. Schemitsch, Michael D. McKee, Jeremy A. Hall, Daniel Whelan, Sarah Ward, David Walmsley, Earl R. Bogoch, James P Waddell, Henry Ahn, Timothy R. Daniels, Milena R. Vicente, Jennifer T. Hidy, Melanie T. MacNevin, Paril Suthar

Sunnybrook Health Sciences Centre - Hans Kreder, David Stephen, Richard Jenkinson, Markku Nousiainen, Terry Axelrod, Veronica Wadey, Sebastian Tomescu, Monica Kunz, Katrine Milner, Melanie MacNevin, Ria De Gorter (Cagaanan), Wesley Ghent, Fathima Adamsahib, Araby Sivananthan, Aimee Theriault, Michelle Arakgi, Phumeena Balasubramaniam, Ravi Tuazon

Vancouver General Hospital - Peter J. O'Brien, Piotr A. Blachut, Henry M. Broekhuysen, Pierre Guy, Kelly A. Lefaiivre, Gerard P. Slobogean, Dean G. Malish, Raman Johal, Jessica Peattie, Abdullah Mamun, Benita Okocha, Irene Leung

Hôpital de l'Enfant-Jésus – Étienne Belzile, Luc Bedard, Martin Bédard, Bernard Laliberté, Jean Lamontagne, Martin Lesieur, Luc Petitclerc, Marie-ève Roger, Stéphane Pelet, Luc Lemire, Hélène Côté

Queen Elizabeth II Health Sciences Centre - Chad Coles, Ross Leighton, C. Glen Richardson, Michael Biddulph, Michael Gross, Michael Dunbar, J. David Amirault, David Alexander, Catherine Coady, Mark Glazebrook, David Johnston, William Oxner, Gerald Reardon, Ivan Wong, Kelly Trask, Shelley MacDonald

Memorial University of Newfoundland - Andrew Furey, Craig Stone, Keegan Au, William Moores, Peter Rockwood, Carl Moores, Daniel Squire, Sarah Anthony, Minnie Parsons, Valisha Keough, Erin Baker

Lakeridge Health – Samir Chhabra, Osama Gharsaa, Abdulmajid Ibrahim, Esmat Dessouki, Omar Dessouki, Aileen Manganaro, Kelly Fusco

Hôpital Saint-François d'Assise – François Marquis, Annie Arteau, Marc Bouchard, Alexandre Leclerc, Michèle Angers, Sylvain Belzile, Sylvie Turmel

Hôpital du Sacré-Coeur de Montréal – G-Yves Laflamme, Benoit Benoit, Pierre Ranger, Michel Malo, Julio Fernandes, Julie Fournier, Karine Tardif

Ottawa Hospital Research Institute, The Ottawa Hospital – Robert J. Feibel, Hesham Abdelbary, Christopher Kennedy, Paul Kim, Paul Beaulé, Joel Werier, Alberto Carli, Peter Lapner, Geoff Dervin, Katie McIlquham, Sara A. Ruggiero, Carly St. Germain, Heather Cosgrove, Johanna Dobransky, Cheryl Kreviazuk

Humber River Hospital – Sebastian Rodriguez-Elizalde, Anna Rose Soliman, Sagar Desai, John Townley, Iriss Mariano, Theresa B. Pedutem, Mary June Francisco

United States

Lahey Hospital and Medical Center - Andrew Marcantonio, Michael Kain, Lawrence Specht, John Tilzey, John Garfi

Mayo Clinic – Andrew Sems, Tab Mabry, Joseph Cass, Michael Torchia, William Cross, Michael Taunton, Joaquin Sanchez-Sotelo, Rafael Sierra, Barbara Foreman

Marshall University - Franklin D. Shuler, James Day, Tigran Garabekyan, Felix Cheung, Ali Oliashirazi, Jonathon Salava, Linda Morgan, Timothy Wilson-Byrne, Grant Buchanan, Milad Modarresi, Mary Beth Cordle

Indiana University – Brian Mullis, Karl Shively, Andrew Parr, Janos Ertl, Ripley Worman, Mark Webster, Judd Cummings, Valda Frizzell, Molly Moore

New York University – Thomas A. Einhorn, Kenneth A. Egol, Nirmal C. Tejawani, Roy I. Davidovitch, Ran Schwarzkopf, Jonathan M. Vigdorchik, James D. Slover, Sanjit R. Konda, Toni M. McLaurin, David Novikov, Pankajkumar Patel, Daniel P. Waren

Orthopaedic Associates of Michigan – Clifford B. Jones, James R. Ringler, Debra L. Sietsema

University Orthopaedic Associates – Carlos Sagebien, David Harwood, Stephen Kayiaros, Patricia Seuffert

The CORE Institute – Clifford B. Jones, Russell Meldrum, Sarim S. Ahmed, Debra L. Sietsema

Texas Tech University – Enes Kanlic, Amr Abdelgawad, Juan Shunia

University of Pennsylvania – Samir Mehta, John L. Esterhai Jr, Jaimo Ahn, Derek Donegan, Atul Kamath, Neil Sheth, Annamarie Horan, Patrick Hesketh, Thomas Rose

Duke University Medical Center – Rachel Reilly, Robert D. Zura, Steven Olson, Kendra Marr, Maria Manson, Cameron Howes

University of Mississippi Medical Center – Benjamin M. Stronach, Patrick F. Bergin, Jennifer S. Barr, Clay A. Spitler, Josie M. Hydrick, Leslie N. Johnson

Boston University Medical Center – Thomas A. Einhorn, Paul Tornetta III, William R. Creevy, Heather Silva, Michelle J. Lespasio, Hope Carlisle

Colorado Orthopedic Consultants – Craig Davis, Philip Stull, Stewart Weinerman, Peter Weingarten, Steven Lindenbaum, Michael Hewitt, Rebecca Danielwicz, Janell Baker

Mission Hospital Research Institute – Charles DePaolo, Christina Riggsbee, Tracey Nanney

Park Nicollet Institute – Gregg Strathy, Kathleen Peter, Paul Johnson, and Meaghan Morton

Rubin Institute for Advanced Orthopaedics – Michael Mont, Ronald E. Delanois, Bhavleen Kapadia, Kimona Issa, and Marylou Mullen

SUNY Buffalo – Mark Anders, Christopher Mutty, Matthew Phillips, Sridhar Rachala, Mary Bayers-Thering

Allegheny – Timothy J. Sauber, Edward Westrick, Joseph Guth, Michael H. Maher

University of Utah - Thomas F. Higgins, Erik N. Kubiak, Jeremy Gililland, David Rothberg, Christopher Peters, Christopher Pelt, Ami R. Stuart, Kirby Corbey, Ashley Neese, Mark T. Russell, Victor Solis, Andrea Gurule

University of California Irvine - David Zamorano, John A. Scolaro, Douglas Kiester, Deeba Pourmand

St. Elizabeth Youngstown Hospital - Tyson T. Schrickel, John V. Gentile, Barbara M. Hileman, Elisha A. Chance

Rothman Institute – Javad Parvizi, Tiffany Morrison

Emory University School of Medicine – James Roberson, Thomas Bradbury, Greg Erens, Kyle Webb

University of Arizona – Michael Dohm, Cindy Fastje, José Luis Camarena, Maria Gordon

The Netherlands

Deventer Ziekenhuis – Ydo V. Kleinlugtenbelt, Hans-Peter W. van Jonbergen, Willem H. Roerdink, Joost M. Reuver, Alexander F.W. Barnaart, Elvira R. Flikweert, Danielle D. Langeloo, Rinco C.T. Koorevaar, Hannie H.F. Elskamp-Meijerman, Ellie B.M. Landman

Amphia Ziekenhuis - Leon H.G.J. Elmans, Joost A.A.M. van den Hout, Adrianus J.P. Joosten, Ad F.A. van Beurden, Stefan B.T. Bolder, Denise Eygendaal, Adrianus F.C.M. Moonen, Rutger C.I. van Geenen, Eric A. Hoebink, Robert Wagenmakers, Wouter van Helden

Tergooiziekenhuizen - Harm M. van der Vis, Lijkele Beimers, Jasper de Vries, Arthur W. Zurcher, G.H. Rob Albers, Maarten Rademakers, Stefan Breugem, Ibo van der Haven, Pieter Jan Damen, Gythe H. Bulstra, Martin M. Campo, Mathijs P. Somford, Daniël Haverkamp

OLVG - Rudolf W. Poolman, Bauke W. Kooistra, Willem Jan Kleyn Molekamp, Frank R.A.J. de Meulemeester, Arthur E.B. Kleipool, Robert Haverlag, Maarten P. Simons, Eduard L.A.R. Mutsaerts, Diederik H.R. Kempen, Mark C. Altena, Dirk Jan F. Moojen, John (S.J.) Ham, Arnard van der Zwan, Derek F.P. van Deurzen, Michel P.J. van den Bekerom, Vanessa A.B. Scholtes, Mariëlla E.M. Volkers, Amanda D. Klaassen, Loes W.A.H. van Beers, Nienke W. Willigenburg, Ihsan Amajjar, Joint Research Group

Isala Clinic – Sven H. van Helden, R.G. Zuurmond, Adriaan Mostert, P. Houben, G. Solinge, W.R. Spanjersberg, R. Nijveldt, K. van Egmond, Lonneke Buitenhuis

Gelre Ziekenhuizen - Hugo W. Bolhuis, Pieter H.J. Bullens, Mike Hogervorst, Karin E. de Kroon, Rob H. Jansen, Ferry Steenstra, Eric E.J. Raven

Spaarne Ziekenhuis - Peter A. Nolte, Michel P.J. van den Bekerom, Tjitte de Jong, Arthur van Noort, Diederik A. Vergroesen, Bernard G. Schutte

Diaconessenhuis Leiden - Rover Krips, J. Bernard Mullers, Hans Schüller

Medisch Centrum Haaglanden - Stefan B. Keizer, Jan-Willem A. Swen, Peter H.C. den Hollander, Bregje J.W. Thomassen

IJsselland Ziekenhuis - W. Peter J. Fontijne, Saskia C. Wiersma, Bastiaan Boetes, Edgar J.T. ten Holder

Ruwaard van Putten Ziekenhuis - Rob Kooijman, Roelf R. Postema, René J.T.M. Bleker, Harald I.H. Lampe

Slotervaartziekenhuis - Lein Schuman, John Cheung, Frank van Bommel, W. Paul C.A. Winia, Daniel Haverkamp, Harm van der Vis

Leids Universitair Medisch Centrum - Huub J.L. van der Heide, Jochem Nagels, Enrike H.M.J. van der Linden-van der Zwaag

Gelderse Vallei - Jan P. van Dijk, Wouter H. van Helden

Flevoziekenhuis - Mark L.M. Falke, Frans J. Kurek, Adrianus C.H. Slingerland

Spain

Hospital Vall d'Hebrón - Ernesto Guerra Farfán, Jordi Teixidor Serra, Jordi Tomás Hernández, Vicente Molero García, Jordi Selga Marsà, Juan Antonio Porcel Vázquez, Joan Minguell Monyart, Maria Villar Casares, Jaume Mestre Torres, Sandra Ponce Ruiz, Teresa Sanclemente Boli, Judith Sánchez-Raya, José Andrés Peiró, Diego Collado Gastalver, Víctor Barro Ojeda, Iñaki Mimendia

Sancho, Maria Jurado Ruiz, Carla Carbonell Rosell, M. Cristina García Martínez, Luken Zubizarreta Barrutia, Martí Plomer Sánchez, Felipe Moreira Borim, Jorge Nuñez Camarena and Antoni Fraguas Castany, Yaiza García Sánchez, Míriam Garrido Clua

Hospital Universitari Mútua de Terrassa – Pablo Castellón, Martí Bernaus, Francesc Anglés, Agustí Bartra

Hospital Dr. Josep Trueta - Miguel Angel Froufe Siota, Diana Noriego, Samer Al-dirra, Xavier Madirolas, Cristina Martinez Merchan

Hospital Universitario Costa del Sol - Enrique Guerado, Encarnación Cruz Ocaña, Juan Ramon Cano Manuel Godino, Miguel Hirschfeld, Laura Ramos, Antonio Royo, Adolfo Galán, Paqui Fontalba, Pilar Gavira

University Hospital 12 de Octubre – José A. Moreno-Beamud, Emilio Delgado-Diaz, Arantxa Capel-Agundez, Pedro Caba-Dousseaux, Rafael Navarro-Arribas

Hospital Clinic de Barcelona – Oscar Ares, Jenaro A Fernandez-Valencia, Alonso Zumbado, Pilar Camacho-Carrasco, Marta Gutierrez

Norway

Oslo University Hospital – Frede Frihagen, Lars Nordsletten, John Clarke-Jenssen, Geir Hjorthaug, Kaare Midtgaard, Lene B. Solberg, Carl Erik Alm, Jonas Rydinge, Marianne Westberg, Stephan Röhl, Torben Ianssen, Knut Erik Mjaaland, Ole Christian Brun, Finnur Snorrason, Bernhard Flatøy Stian Svenøy, Elise Berg Vesterhus, Anne Christine Brekke, Sissel Knuts

Ringerike Hospital – Ingunn Skaugrud, Engelke Randers

United Kingdom

Royal Cornwall Hospital – Manish Divekar, Palakkad Easwaran, Daniel Williams, Robin Kincaid, Shaun Sexton, Shyam Maimen, Rory Middleton, Gavin Bartlett, Fiona Hammonds, Benita Adams, Anna Fouracres, Jackie Dingle, Jessica Summers, Nicki Devooght-Johnson, Alyson Andrew, Abigail Weeks

East Sussex Healthcare – Adrian Butler-Manuel, Oliver Keast-Butler, Guy Selmon, Andrew Armitage, Simon Pearce, Simon Hoskinson, Miranda Champion, Satish Ganesan, Manjunathan Sivaprakasam, Zaid Al-Wattar, Paul Cameron, Kate Weatherly, Kim Miles, Janet Sinclair

Leicester Royal Infirmary – John Davison, Jonathon White, Andrew Brown, S. Subramanian, Jenny Nichols, Aujlia Randeep, Christina Haines, Manjit Attwal, Dileep Kumar, Debbie Lee, Mona Mohamed, Sharon Siddons

Northumbria Healthcare – Dominic Inman, Mike Reed, Ajay Malviya, An Murty, Paul Partington, Ian Carluke, Derek Kramer, Kevin Emmerson, Scott Muller, David Townshend, Juhu Joseph, Jonathon Coorsh, Sameer Khan, Rajesh Kakwani, Helen Shirley, Kerry Third, Christine Dobb, Deborah Bunn, Chris Herriott, Elizabeth Corbishley, Gail Waddell

Barts Health NHS Trust – Joshua Lee, Steve Millington, Stephen Key, Daud Chou, Alex Vris, Sammy Hanna, Anna Berridge, Jamila Kassam, Catherine Hilton, Shanaz Ahmad

Cambridge University Hospital – Christopher Gooding, Wasim Khan, Stephen McDonnell, Peter Hull, Joseph Queally, Frances New, Simone Hargreaves, Debbie Read

University Hospital of North Tees – Rajesh Nanda, Christopher Tullock, Rajnikanth Logishetty, Antoni Nargol, Richard Jeavons, Angela Bradbury, Carol Bowler, Janet Austin

The James Cook University Hospital – Birgit Hanusch, Amar Rangan, Paul Baker, Anthony Hui, Craig White, Ian Wallace, Simon Jameson, James Webb, William Eardley, Lucksy Kottam, Alanna Milne, Juliet James

Yeovil District Hospital – Matthew Hall, Roshan Raghavan, Benedict Lankester, Paul Latimer, Paul Porter, Istvan Batta, Alison Lewis, Lucy Pippard

South Devon Healthcare – Gordon Higgins, Veronica Conboy, Yousef El-Houdiri, Steve Blake, David Isaac, Pauline Mercer

Sherwood Forest Hospital – Sreebala C.M. Srinivasan, Sachin P. Badhe, Amit W. Bidwai, Rebecca Boulton, Sarah Shelton

Australia

University Hospital Geelong, Deakin University - Richard Page, Andrew Thomson, Simon Williams, Chatar Goyal, David Bainbridge, Richard Angliss, Ben Miller, Graeme Brown, Kevin Eng, David Bowyer, John Skelley, Glenn Boyce, Adam Watson, Nathan Donovan, Sally Beattie, Amanda Cowland

The Alfred - Susan Liew, Harvinder Bedi, Ashley Carr, Andrew Chia, Steve Csongvay, Craig Donohue, Stephen Doig, Elton Edwards, Max Esser, Richard Freeman, Andrew Gong, Doug Li, Russell Miller, Lu Ton, Otis Wang, Ian Young, Ash Moaveni, Matthias Russ, Siva Chandrasekaran, Arvind Jain, Adam Dowrick, Zoe Murdoch, Claire Sage

Prince Charles Hospital – Catherine McDougall, Sue Grice, Scott Crawford, Dinesh Sharma, Andrew Patten, Rebecca Ferrier

Finland

Turku University Hospital – Matti Seppänen, Mika Junnila, Jari Mokka, Kari Isotalo, Niko Strandberg, Jani Knifsund, Keijo Mäkelä, Keemu Hannes, Mikko Karvonen, Saara Meronen

New Zealand

North Shore Hospital – William Farrington, Rob Sharp, Otis Shirley, Luke Brunton, Marla Ross, Sherina Holland

South Africa

University of KwaZulu-Natal/Grey's Hospital - Rian Smit, Leonard Marais, Simphiwe Gumede,
Reitze Rodseth