

MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

ACKNOWLEDGEMENTS

We wish to thank Cardinal Health for their generous support of the ICM VTE initiative through an educational grant that made engagement of biostatisticians, librarians, and other services possible.



CardinalHealth

MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

This massive initiative would not have been possible without the insightful guidance and leadership of the steering committee. Through various conference calls and email communications the steering committee developed the appropriate plans for inclusion of delegates, societies, and finalization of the Delphi process for completion of the questions. The committee was involved in every step of the process that spanned almost an entire year.

The members of the organizing committee met in person on numerous occasions, and through conference calls on a weekly basis, determined the various steps for the Delphi process and assigned timelines. The members of the committee worked diligently with the librarians and epidemiologists to ensure that the MeSH-terms were generated on time, publications retrieved, and communication with the delegates was clearly established for timely generation of the document that met all of the Delphi requirements and was comprehensive. The organizing committee screened the literature up until the last day of submission of the work to JBJS to ensure that all publications in 2021 were included in the compendium. The members of the organizing committee stepped in on numerous occasions to complete whatever work on hand. Every document was reviewed and critiqued by the organizing committee prior to submission to publication. Special mention goes to **Camilo Restrepo MD**, Director of Research at Rothman Institute, who worked tirelessly with the JBJS team to ensure that the submitted document met all the publication requirements.

The critical and extensive work of Mesh-Term development, literature retrieval, data extraction and other steps were under the watchful eye of our epidemiology and biostatistician team from New York lead by **Stavros G. Memtsoudis MD**, an internationally respected expert in the consensus process, **Crispiana Cozowicz**, and **Jashvant Poeran MD**, PhD and the Philadelphia team namely **Matthew B. Sherman BS**, and **Kerri-Anne Ciesielka MPH** as well as many members of the Scott Memorial Library at Thomas Jefferson University, in particular **Abby Adamczyk MLIS**, AHIP, **Larissa Gordon MS, MEd, MA**, **Paul Hunter DMD, MLIS**, **Gary Kaplan MSLIS, AHIP**, **Gregory Laynor MLS, PhD**, and **Rebecca Miller MLS**.

The amount of work proved to be extensive and additional help from Italy was sought. Our heartfelt gratitude goes to the team of the Medical Sciences Research Academy (MSRA), in particular **Matteo Spezia**, **Susanna Sammali**, **Gabriele Schiaffini**, **Vittorio Oteri**, **Veronica Iascone**, **Tommaso Recchioni**, **Simone Franceschini**, **Michael Rodriguez**, **Gaetano Russo**, **Federica Campana**, **Diana Alexa**, **Carlotta Parati**, **Anna Martinelli**, **Alberto Bonato**, **Matilde Pavan**, and **Marina Macchi**, for their extensive work in generating the MeSH-terms, retrieval of publications and critical assistance with proper completion of the work.

We wish to thank **Tiffany Morrison MS, CCRP** from the ICM leadership for orchestrating and administering the educational grant provided by the Cardinal Health and watching over the process to ensure ethical, academic, and financial compliance.

Special thanks to **Nicole Errico** for her administrative services in keeping contact with the delegates, and administration of the vote surveys.

Our gratitude to **Kristen Nicholson PhD** for her management and coordination of website activities.



MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

STEERING COMMITTEE MEMBERS OF THE ICM VENOUS THROMBOEMBOLISM GROUP

- Ageno, Walter MD, University of Insubria, Varese VA, Italy
- Baldini, Andrea MD, IFCA Institute, Italy
- Becattini, Cecilia MD, University of Perugia, Perugia, Italy
- Beverland, David E. MD, Queen's University Belfast, Belfast, Northern Ireland
- Caprini, Joseph A. MD, University of Chicago, Illinois
- Carrier, Marc MD, University of Ottawa, Ottawa, Canada
- Crawford, Ross W. MD, Queensland University of Technology, Queensland, Australia
- Dunbar, Michael J. MD, Dalhousie University, Nova Scotia, Canada
- Eichinger. Sabine MD, Medical University of Vienna, Wien, Austria
- Gehrke, Thorsten MD, Helios Endo- Klinik Hamburg, Germany
- Huisman, Menno MD, Leiden University Medical Center, Leiden, Netherlands
- Inaba, Yutaka MD, Yokohama City University, Yokohama, Japan
- Kehlet, Henrik MD, Rigshospitalet Copenhagen University, Copenhagen, Denmark
- Kim, Kang il MD, Department of Orthopedic Surgery, School of Medicine, Kyung Hee University, Seoul, Korea
- Konstantinides, Stavros V. MD, University Medical Center Mainz, Mainz, Germany
- Lieberman, Jay R. MD, University of Southern California, Los Angeles, California
- Malloney, William J. MD, Stanford University, Stanford, California
- Marín-Peña, Óliver MD, Hospital Universitario Infanta Leonor, Madrid, Spain
- Memtosidis, Stavros G. MD, Hospital for Special Surgery, New York, New York
- Merli, Geno J. MD, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania
- Mularji, Arun MD, Breach Candy Hospital, Mumbai, India
- Nam, Dennis MD, Rush University Medical Center, Chicago, Illinois
- Pellegrini, Vincent D. MD, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire
- Peyvandi, Flora MD, University of Milan, Milan, Italy
- Samama, Marc MD, Department of Anaesthesia, Intensive Care and Perioperative Medicine GHU AP-HP. Centre - University de Paris - Cochin Hospital, Paris, France
- Schwarzkopf, Ran MD, NYU orthopaedic hospital, New York, New York
- Sharrock, Nigel MD, Hospital for Special Surgery, New York, New York
- Shivakumar, Sudeep MD, Dalhousie University, Nova Scotia, Canada
- Tanavalee, Aree MD, Bangkok Hospital, Bangkok, Thailand
- Thienpont, Emmanuel MD, Cliniques universitaires Saint Luc, Brussels, Belgium
- Vendittoli, Pascal-Andre MD, Université de Montréal, Montréal, Canada
- Westrich, Geoffrey H. MD, Hospital for Special Surgery Cornell University, Ithaca, New York
- Zhou, Yixin MD, Beijing Jishuitan Hospital, Beijing, China.



MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

ORGANIZING COMMITTEE MEMBERS OF THE ICM VENOUS THROMBOEMBOLISM GROUP

- Abdelaal, Mohammad S. MD, Rothman Institute, Philadelphia, Pennsylvania
- Chisari, Emanuele MD, Rothman Institute, Philadelphia, Pennsylvania
- Ciesielka, Kerri-Anne MPH, Rothman Institute, Philadelphia, Pennsylvania
- Courtney, P. Max MD, Rothman Institute, Philadelphia, Pennsylvania
- D'Amore, Taylor MD, Rothman Institute at Thomas Jefferson University Philadelphia, Pennsylvania
- Fillingham, Yale MD, Rothman Institute, Philadelphia, Pennsylvania
- Gehrke, Thorsten MD, Helios Endo- Klinik Hamburg, Germany
- Goh, Graham S. MD, Rothman Institute, Philadelphia, Pennsylvania
- Goswami, Karan MD, Rothman Institute at Thomas Jefferson University Philadelphia, Pennsylvania
- Krueger, Chad A. MD, Rothman Institute, Philadelphia, Pennsylvania
- Ludwick, Leanne BS, Rothman Institute, Philadelphia, Pennsylvania
- Morrison, Tiffany MR CCRP, Rothman Institute, Philadelphia, Pennsylvania
- Parvizi, Javad MD, FRCS, Rothman Institute, Philadelphia, Pennsylvania
- Restrepo, Camilo MD, Rothman Institute, Philadelphia, Pennsylvania
- Sherman, Matthew B. BS, Rothman Institute, Philadelphia, Pennsylvania
- Shohat, Noam MD, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- Sutton, Ryan MD, Rothman Institute at Thomas Jefferson University Philadelphia, Pennsylvania.



MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

LIST OF PARTICIPATING INTERNATIONAL SOCIETIES

- American Academy of Orthopaedic Surgeons (AAOS)
- American Association of Hip and Knee Surgeons (AAHKS)
- American College of Chest Physicians (ACCP)
- **American Orthopaedic Foot and Ankle Society (AOFAS)**
- American Orthopaedic Society for Sports Medicine (AOSSM)
- **American Society for Regional Anesthesia (ASRA)**
- American Society for Surgery of Hand (ASSH)
- American Society of Anesthesiologists (ASA)
- American Society of Shoulder and Elbow Surgeons (ASES)
- American Venous Forum (AVF)
- Argentine Association of Orthopedics and Trauma (AAOT)
- **Asia Pacific Arthroplasty Society (APAS)**
- **Asia Pacific Knee Society (APKS)**
- Australian Knee Society
- Australian Orthopaedic Association
- Australian Orthopaedic Foot & Ankle Society
- Austrian Society of Orthopaedics
- **Azerbaijan Orthopedic Society**
- **Bahrain Sports Medicine and Science**
- Belgian Hip Society
- Belgian Orthopedic Association
- Belgian Shoulder and Elbow Society
- **Bolivia Orthopaedic Society**
- Brazil Society of Angiology and Vascular Surgery (SBACV)
- Brazilian Association for the Study of Implants and Osteoarticular Infections
- **Brazilian Society of Orthopedics and Traumatology (SBOT)**
- British Orthopedic Foot and Ankle Society (BOFAS)
- British Hip Society
- British Knee Society
- **Bulgarian Orthopedic Association**
- **Canadian Orthopaedic Association (COA)**
- Cervical Spine Research Society (CSRS)
- **Chilean Society of Hip Surgery**
- **Chinese Orthopedic Association (COA)**



MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

- Colombian Orthopedic Association (Sociedad Colombiana de Cirugía Ortopédica y Traumatología) (SCCOT)
- Croatian Orthopedic Association
- Danish Orthopaedic Society (DOS)
- Dutch Federation of Medical Specialists
- Ecuador Orthopedic Association (SEOT)
- Egyptian Orthopedic Association
- Emirates Orthopedic Society
- European Bone and Joint Infection Society
- European Federation of National Associations of Orthopaedics & Traumatology (EFORT)
- European Hip Society (EHS)
- European Knee Society (EKS)
- European Musculoskeletal Oncology Society
- European Society for Regional Anesthesia (ESRA)
- European Society for Sports Traumatology Knee Surgery and Arthroscopy (ESSKA)
- European Venous Forum
- European Foot and Ankle Society
- French Orthopedic Society
- German Orthopedic and Trauma Society
- German, Austrian, Swiss Society of Thrombosis and Haemostasis
- Hellenic Association of Orthopaedic Surgery & Traumatology Nomination
- Hellenic Hip Society
- Hellenic Knee Society
- Hellenic Orthopaedic Association
- Hong Kong Orthopaedic Association
- Hungarian Orthopaedic Association
- Indian Orthopaedic Association
- Indonesian Hip and Knee Society
- Indonesian Orthopaedic Association
- International Hip Society (IHS)
- International Musculoskeletal Society (IMS)
- International Society for Hip Arthroscopy (ISHA)
- International Society for Limb Salvage (ISOLS)
- International Society on Thrombosis and Haemostasis (ISTH)
- Iranian Orthopaedic Association
- Irish Orthopaedic Association
- Israeli Orthopaedic Association
- Italian Hip Society



MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

- Italian Orthopedic Association
- Italian Society on Thrombosis and Hemostasis
- Japanese Orthopaedic Association
- Jordan Orthopedic Association
- Kenyan Orthopedic Association
- Korean Orthopaedic Association (KOA)
- Kuwait Orthopedic Society
- Lebanese Orthopedic Association
- Lithuanian Society of Orthopedics and Traumatology
- Lumbar Spine Research Society (LSRS)
- Malaysian Orthopaedic Association
- Mexican Federation of Orthopedics and Traumatology
- Mexican Hip Society
- Mexican Orthopedic Association
- Musculoskeletal Tumor Society (MSTS)
- National Institute for Health and Care Excellence
- Netherlands Orthopaedic Society
- New Zealand Hip Society
- New Zealand Orthopaedic Association (NZOA)
- Nigerian Orthopedic Association
- North American Spine Society (NASS)
- Norwegian Orthopaedic Association
- Orthopaedic Society of Oman
- Orthopedic Trauma Association (OTA)
- Osteosynthesis and Trauma Care Foundation (OTC)
- Pakistan Orthopaedic Association
- Pan Arab Orthopaedic Association
- Panamanian Society of Orthopedics
- Pediatric Orthopaedic Society of North America (POSNA)
- Peruvian Orthopedic Association
- Philippine Orthopaedic Association (POA)
- Polish Orthopaedic Association
- Polish Society of Phlebology
- Portuguese Society of Orthopaedics and Traumatology (SPOT)
- Portuguese Society of Sport Medicine (SPAT)
- Puerto Rico Orthopedic Association
- Pulmonary Embolism Response Consortium (PERT)



MARCH 16, 2022

THE JOURNAL OF BONE & JOINT SURGERY • AMERICAN VOLUME

- Romanian Society of Orthopedic and Traumatology (SOROT)
- Royal College of Orthopedic Surgeons of Thailand (RCOST)
- Russian Orthopaedic Society (ROA)
- Saudi Arabian Orthopaedic Association
- Scoliosis Research Society (SRS)
- Serbian Orthopedic Association
- Slovenia Orthopedic Society
- Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT)
- South African Orthopaedic Association (SAOA)
- Spanish Arthroscopy Association (AEA)
- Spanish Hip Society
- Spanish Knee Society (SEROD)
- Spanish Orthopedic Society (Sociedad Española de Cirugía Ortopédica y Traumatología) (SECOT)
- Spanish Osteosynthesis and Trauma Care Foundation
- Swedish Orthopaedics Association
- Swiss Society of Orthopaedics and Traumatology
- Taiwanese Orthopaedic Association
- Thai Orthopedic Association
- The American Knee Society
- The Hip Society
- Turkish Society of Orthopedics and Traumatology (TOTBİD)
- Ukrainian Orthopedic Association
- Uruguay Orthopedic Association
- Venezuelan Society of Orthopedics and Traumatology (SVCOT)
- Vietnam Orthopaedic Association

Delegates of the International Consensus Meeting on Venous Thromboembolism



Argentina

Buttaro, Martin
Garcia-Mansilla, Agustin
Holc, Fernando
Piuazzi, Nicolas S.
Silberman, Andrés



Bahrain

Karashi, Ali Redha
Salah, Jamal



Bulgaria

Kinov, Plamen
Mihov, Kalin



Australia

Campbell, David G.
Chan, Noel
Crawford, Ross W.
Larkin, James
Lunz, David
McEwan, Peter
Saxby, Terence S.
Solomon, Michael
Whitehouse, Sarah L.



Belgium

Deltour, Charles
Meermans, Geert
Noyez, Jan F.
Somers, Jan F.A.
Thienpont, Emmanuel
Top, Alexander C.
Van Raebroeckx, Antoon
Victor, Klaas



Canada

Brooks, Dina
Carli, Alberto
Carrier, Marc
Dunbar, Michael J.
Eikelboom, John
Geerts, William H.
Ghert, Michelle
Hozack, William J.
Lazo-Langner, Alejandro
Schemitsch, Emil
Schulman, Sam
Shivakumar, Sudeep
Shore, Benjamin J.
Spangehl, Mark J.
Tanzer, Michael
Vendittoli, Pascal-André
Worthy, Tanis



Austria

Ay, Cihan
Cozowicz, Crispiana
Eichinger, Sabine
Grohs, Joslef
Leithner, Andreas
Nogler, Michael



Bolivia

Bacarreza, Fernando
Claros-Pizarro, Fernando



Brazil

de Paula Ferreira, William V.
Marcelino Gomes, Luiz S.
Marques, Marcos Arêas
Silva, Jorge
Sobreira, Marcone L.

Bengoa, Francisco
Besa, Pablo
Pellegrini, Juan José
Vial, Agustin



Azerbaijan

Gahramanov, Aydin



China

Pei, Fuxing
Tsai, Shang-Wen
Yang, Pei
Zhang, Y.
Zhou, Yixin



Ecuador

Barragan, Estuardo
Bracho, Carlos
Larco Villalva, Edwin
Salazar, German
Salazar, Mathias

Keller, Karsten
Pumberger, Matthias
Seyler, Thorsten
Strauss, Andreas
Volk, Thomas
Yoon, Uzung



Colombia

Bonilla, Guillermo
Jimenez, Suarez
Linares, Francisco
Llinás, Adolfo
Mariño, Jaime
Monsalvo, Daniel
Sanchez-Osorio, Juan S.
Suarez, Cristina



Egypt

Ali, Sahar
Hafez, Mahmoud A.
Hamdi, Sahar
Hosny, Gamal
Saleh, Usama H.

Babis, George C.
Karachalios, Theofilos
Kenanidis, Efstathios
Komnos, George
Konstantinides, Stavros V.
Milonakis, Nikolaos
Moka, Eleni
Pagkalos, Joseph
Papagelopoulos, Panayiotis
Poultides, Lazaros
Spyropoulos, Alex C.
Tsiridis, Eleftherios



Croatia

Bohaček, Ivan
Crnogaća, Krešimir
Plečko, Mihovil



France

Chopard, Romain
de Ladoucette, Aymard
Fabre-Aubrespy, Maxime
Jenny, Jean-Yves
Rosencher, Nadia
Samama, Charles-Marc



Hong Kong

Cheung, Man Hong
Fu, Henry



Czech Republic

Gallo, Jiri



Germany

Becker, Luis
Citak, Mustafa
Dütesch, Michael
Gehrke, Thorsten
Gotterbarm, Tobias
Hobohm, Lukas M.A.
Hube, Robert



Bucsi, László
Than, Peter



India

Bhatia, Nishant
Goyal, Lokesh
Gugale, Sunny
Jayaramaraju,
Dheenadhayan
Johari, Ashok N.
Kaila, Rajiv
Kelkar, Amar H.
Khan, Yasim
Maini, Lalit
Mullaji, Arun
Patel, Alplesh
Rajasekaran, Raja
Bhaskara
Rednam, Manjeera S.B.
Sancheti, Parag
Shyam, Ashok
Srivastava, Ajay
Sundaram, Velmurugesan
P.
Vasudeva, Nagashree

Najafi, Farideh
Parsa, Ali
Razi, Mohammad
Sattarzadeh Badkoubeh,
Roya
Vosooghi, Farzad

Pala, Elilsa
Peyvandi, Flora
Rama, Martina
Randelli, Filippo
Riva, Nicoletta
Romanini, Emilio
Santori, Nicola
Schinco, Piercarla
Squizzato, Alessandro
Viganò, Martino
Zambianchi, Francesco



Ireland

Hughes, Andrew J.
McCarthy, Thomas
Roberts, William



Japan

Akagi, Masao
Hasegawa, Masahiro
Inaba, Yutaka
Ishibashi, Yasuyuki
Kumagai, Gentaro
Majima, Tokifumi
Niikura, Takahiro
Oshima, Yasushi
Ozaki, Toshifumi
Sudo, Akihiro
Tezuka, Taro
Yamada, Kazuki



Israel

Liebergall, Meir
Shohat, Noam
Shtarker, Haim



Italy

Ageno, Walter
Agnelli, Giancarlo
Angelini, Andrea
Baldini, Andrea
Becattini, Cecilia
Benazzo, Francesco
Catani, Fabio
Chisari, Emanuele
Cimminiello, Claudio
Dentali, Francesco
Fioruzzi, Alberto
Imberti, Davide
Lippi, Giuseppe
Massè, Alessandro
Mazzoleni, Manuel G.
Merli, Geno J.



Jordan

Alhanbali, Misbah
Zabalawi, Rami



Kenya

Kigera, James W.M.



Indonesia

Basuki, Mohammad H.
Budhiparama, Nicolaas C.
Djaja, Yoshi P.
Hidayat, Luthfi
Rizal, Yusuf
Santoso, Asep



Iran

Ghazavi, Mohammad T.
Mortazavi, SM Javad



Kuwait

Alobaid, Abdulrazzaq



Lebanon

Abdallah, Amer
Alameddine, Dana
Haykal, Tarek



Lithuania

Kvederas, Giedrius
Smailys, Alfredas



Malaysia

Abbas, Azlina A.
Abdullah, Suhail
Chan, Chee Ken
Liew, Ngoh
Roohi, Sharifah
Suresh, Suhail



Malta

Maempel, Julian F.



Mexico

Aguilar Ramírez, José
Joaquin
Fernandez-Rodriguez,
Diana
Garcia, Felipe
González Romero, José
Leal, Roberto
Navarro, Ronald A.
Negrete, Jorge
Rivero-Boschert, Salvador
Vilchez, Félix



New Zealand

Kelly, Vince
Munro, Jacob



Norway

Dahl, Ola
Johnsen, Lars G.



Oman

Al Farii, Humaid
Al Maskari, Sultan
Al Mutani, Mohammed N.
Alzeedi, Muadh
Singh, Jatlinder



Pakistan

Amin, Muhammad S.
Chinoy, Muhammad A.
Javid, Mohsin
Mehwish, Syeda



Panama

Pérez Valdés, Ronald J.
Saldaña, Ariel E.



Perú

Araujo, Guillermo
Castro Bejarano, Juan C.
Egoavil, Miguel
Elias, Luis
Lizarraga, Marcelo M.
Manzaneda, Marzaid E.
Salce, Ivan J.



Philippines

Bernardo, Peter
Juan, Jose
San Juan, Jose Antonio



Poland

Białycki, Jerzy
Chodór, Paweł
Krasiński, Zbigniew
Kruczyński, Jacek L.
Marczyński, Wojciech
Tomkowski, Witold
Urbanek, Tomasz



Portugal

Caldeira, Daniel
Cruz, Eugénia
Dantas, Pedro
Gonçalves, Sérgio
Grenho, André
Lobo, Clara A.

Morais, Sara
Oliveira, Paulo
Silva, Manuel
Sousa, Ricardo



Puerto Rico

Tresgallo-Parés, Ruben



Romania

Ioan, Cristian
Tiberiu, Bataga



Russia

Bozhkova, Svetlana A.
Kasimova, Alina
Lobastov, Kirill



Saudi Arabia

Alabdali, Ahmed A.
Aljurayyan, Abdulaziz N.
Manzary, Mojieb M.



Serbia

Lešić, Aleksandar R
Radoičić, Dragan K.



Slovenia

Fokter, Samo
Trebše, Rihard



South Africa

Ferreira, Nando



South Korea

Cha, Yong-Han
Choi, Choong Hyeok
Kim, Jun-Ho
Kim, Kang-Il
Kim, Tae Kyun
Koo, Kyung-Hoi
Yoo, Jun-Il



Spain

Basagaña-Farrés, Míriam
Benjumea Carrasco,
Antonio
Castellet, Enric
Castel-Oñate, Ana
Chana-Rodríguez,
Francisco
Delgado-Martinez, Alberto
D.
Dos Santos-Vaquinhos
Blanco, Alex
Gómez-Barrena, Enrique
Gómez-Vallejo, Jesús

Guerra-Farfán, Ernesto
Jurado, María
López-Cuquerella, Laura
Marín-Peña, Óliver
Marques Lopez, Fernando
Moreno-Moreu, Néstor
Palma-Arjona, Francisco
Roca-Sánchez, Tomás
Sánchez Pérez, Coral
Torres, Ana



Sweden

Ackermann, Paul W.
Carling, Malin S.
Granqvist, Mathias
Rolfson, Ola



Taiwan

Chen, Cheng-Fong
Chen, Wei-Ming
Chou, Te-feng Arthur
Lee, Mel



Thailand

Tanavalee, Aree



Tunisia

Abcha, Oussama
Kallel, Sofiene
Souissi, Meriem



Turkey

Akkaya, Mustafa
Azboy, İbrahim
Çaçan, Mehmet A.
Ceylan, Hasan Huseyin
Hakyemez, Ömer S.
Korkmaz, Oguzhan
Sağlam, Yavuz
Tuncay, Ibrahim



Ukraine

Bondarenko, Stanislav
Maltseva, Valentyna
Turchin, Olena
Vysotskyi, Olexandr



United Arab Emirates

Albelooshi, Ali
Alkhateeb, Hesham



United Kingdom

Achan, Prim
Alvand, Abtin
Andrade, Antonio J.
Beverland, David E.
Blom, Ashley W.
Brookes, Charlotte
Cohen, Alexander
Donovan, Richard L.
Emmerson, Benjamin R.

Fishley, William G.
Gallagher, Nicola
Giannoudis, Peter
Goriainov, Vitali
Griffin, Damian R.
Griffin, Xavier
Hing, Caroline B.
Hutt, Nicholas J.O.
Jameson, Simon
Kakwani, Rajesh
Khanduja, Vikas
Kunutsor, Setor K.
Lip, Gregory Y.H.
Loveday, David T.
Matharu, Gulraj S.
McBride, Donald J.
Menon, Deepak
Mirkazemi, Corinne
Mohammad, Hasan R.
Nnadi, Colin
Pandit, Hemant G.
Porteous, Andrew
Reed, Mike
Roberts, Darren C.
Roberts, Veronica
Rossiter, Nigel D.
Warwick, David J.
Whitehouse, Michael R.



United States of America

Abdeen, Ayesha
Abdel, Matthew
Abdelaal, Mohammad S.
Acuña, Alexander J.
Adams, Brian
Ahn, Jaimo
Aiyer, Amiethab
Alfaro, David O.
Arnold, William V.
Arshi, Armin
Austin, Matthew S.
Baker, Colin M.

Barnes, Geoffrey
Barrack, Robert L.
Bass, Ashley
Bauer, Kenneth
Beaton-Comulada, David
Bedair, Hany S.
Bell, Jennifer A.
Beredjiklian, Pedro
Berry, Daniel J.
Boden, Allison L.
Bozentka, David
Bozic, Kevin
Callaghan, John J.
Cancienne, Jourdan M.
Canseco, Jose E.
Caprini, Joseph A.
Chen, Zhongming
Cho, Samuel
Ciesielka, Kerri-Anne
Colon-Miranda, Roberto G.
Colwell, Clifford W.
Combs, Kristen C.R.
Cordeiro, Minal
Corvi, John J.
Courtney, P. Maxwell
Cox, Ryan M.
D'Amore, Taylor
Deitelzweig, Steve
Demanes, Augustus C.
Denasty, Adwin
Dennis, Douglas
DiGiovanni, Christopher W.
DiMaria, Stephen
Egol, Kenneth A.
Fareed, Jawed
Fillingham, Yale A.
Fogel, Harold A.
Fogelson, Jeremy L.
Friedman, Richard
Gary, Joshua L.
Gerlinger, Tad
Ghogawala, Zohler
Gleason, Brendan
Goh, Graham S.
Gonzalez Della Valle, Alejandro
Goodman, Stuart
Goswami, Karan
Grauer, Jonathan M.
Gross, Christopher E.
Gupta, Arjun
Guss, Daniel
Hall, Anya T.
Hammoud, Sommer
Hannon, Charles P.
Hansen, Erik N.
Hansen, Heather
Harrison, Ryan K.
Hassanzadeh, Hamid
Haut, Elliott
Higuera Rueda, Carlos E.
Hoch, Caroline P.
Hollingsworth, Neusha
Humphrey, Tyler J.
Huo, Michael H.
Iorio, Richard
Jain, Amit
Jevsevar, David
Jiranek, William A.
Johns, William L.
Jones, Christopher M.
Kamath, Atul F.
Kanhere, Arun P.
Karamian, Brian A.
Karas, Vasili
Karikari, Isaac
Kates, Stephen L.
Kavian, Joseph
Kemler, Bryson R.
Khan, Irfan A.
Klein, Gregg R.
Kleiner, Justin E.
Kopenitz, Jason
Krueger, Chad A.
Kuo, Andy
Kwong, Louis M.
Lachiewicz, Paul F.
Lambrechts, Mark
Lawrence, Brandon
Lee, Gwo-Chin
Levine, Brett R.
Li, William T.
Lieberman, Jay R.
Liles, Jeffrey
Liu, Jiabin
Lotke, Paul
Lu, Amy C.
Ludwick, Leanne
Mack, Patricia Fogarty
Magnuson, Justin
Maloney, William
Mamczak, Christiaan N.
Manner, Paul
McConaghy, Kara M.
Mead, Matthew
Meghpura, Michael M.
Mehta, Samir
Memtsoudis, Stavros G.
Mesfin, Addlisu
Mihalko, William M.
Mojica, Jeffrey J.
Moncman, Tara G.
Mont, Michael A.
Morrison, Tiffany
Morton, Jessica
Mulcahey, Mary K.
Mun, Frederick
Murphy, Robert F.
Nam, Denis
Namdari, Surena
Nazarian, David G.
Nutescu, Edith
Ochoa Chaar, Cassius I.
Ong, Christian B.
Otero-López, Antonio
Paiement, Guy
Pannu, Tejbir S.
Pannucci, Christopher
Parvizi, Javad
Parvizi, Niosha
Paul, Ryan W.
Pellegrini, Jr, Vincent
Poeran, Jashvant
Polly, Jr, David W.
Prodoehl, John P.
Purtill, James J.

Raikin, Steven M.

Rajasekhar, Anita

Restrepo, Camilo

Rondon, Alexander J.

Sabharwal, Samir

Sabharwal, Sanjeev

Sadek, Mikel

Salvati, Eduardo A.

Saxena, Arjun

Schwarzkopf, Ran

Schwenk, Eric S.

Scott, Daniel

Sculco, Peter

Shahi, Alisina

Sharkey, Peter F.

Sharrock, Nigel

Sherman, Matthew B.

Sherman, Thomas I.

Siegel, Nicholas M.

Sievers, Dennis A.

Silva, Stephen

Smith, Eric B.

Sousa, Paul

Sutton, Ryan M.

Swiontkowski, Marc F.

Tannoury, Chadi

Tannoury, Tony

Tarabichi, Majd

Tarabichi, Saad

Taylor, Jeremiah

Terhune, E. Bailey

Thomas, Terence L.

Tjoumakaris, Fotios P.

Toci, Gregory R.

Tornetta III, Paul

Torres-Lugo, Norberto J.

Tort-Saade, Pedro

Tran, Khoa S.

Tulipan, Jacob E.

Ukish, Kenneth L.

Vaccaro, Alexander R.

Vahedi, Hamed

Villa, Jesus M.

Viscusi, Eugene R.

Walsh, Mark

Ward, Derek

Warren, Jared

Werner, Brian C.

Westrich, Geoffrey H.

Williams, Gerald R.

Winters, Brian S.

Wodajo, Felasfa

Yates Jr., Adolph J.



Uruguay

Cancela, Nicolás

Del Castillo, Juan M.

Méndez, Cecilia A.

Vilensky, Eduardo I.



Venezuela

Cárdenas, Renny A.

Sanchez, Carlos G.

Socorro, Nelson E.



Vietnam

Khanh, Nguyen

Thong, Nguyen