

MID-AMERICA ORTHOPAEDIC ASSOCIATION

**37th Annual Meeting
April 10-14, 2019
Hilton Sandestin Beach Golf Resort
Miramar Beach, FL
Scientific Program**

*Denotes speaker

WEDNESDAY, APRIL 10, 2019

7:30 a.m. – 5:00 p.m.

MAOA/ICJR Pre-Meeting

Topic: Case-Based Controversies in Orthopedic Trauma
Room: Coral A

5:30 p.m. - 7:00 p.m.

Company-sponsored workshop (slot currently open)

THURSDAY, APRIL 11, 2019

6:30 a.m. – 7:45 a.m.

Instructional Course I

Topic: Rotator Cuff Tears in 2019: When to Repair, Reconstruct, or Replace?

Room: Coral A

Faculty: Julie Y. Bishop, M.D., Moderator
Columbus, OH

Gregory L. Cvetanovich, M.D.
Columbus, OH

Grant L. Jones, M.D.
Columbus, OH

Brian R. Wolf, M.D., M.S.
Iowa City, IA

6:30 a.m. – 7:45 a.m.

Instructional Course II

Topic: Lumps, Bumps, and Bone Lesions – When to Refer to Orthopedic Oncology

Room: Coral B

Faculty: Matthew T. Houdek, M.D., Moderator
Rochester, MN

Peter S. Rose, M.D.
Rochester, MN

Brent Witten, M.D.
Milwaukee, WI

FIRST PLENARY SESSION

Room: Emerald ABC

8:00 a.m. - 8:05 a.m.

Welcome and Introductory Remarks

Robert F. McLain, M.D.
Solon, OH
President, MAOA

8:05 a.m. – 8:50 a.m.

Symposium I

Topic: State Regulations and Opioids – How Can We Still Manage Pain?

Faculty: Vani J. Sabesan, M.D., Moderator
Weston, FL

8:51 a.m. - 9:24 a.m.

Scientific Paper Session #1

Co-Moderator:

Co-Moderator:

8:51 a.m. – 8:56 a.m.

1. Long-Term 17-Year Follow-Up After Meniscus Repair with Concomitant Anterior Cruciate Ligament Reconstruction in a Pediatric and Adolescent Population
*Adam J. Tagliero, M.D. Rochester, MN
Vishal S. Desai, B.S. Rochester, MN
Nicholas I. Kennedy, M.D. Rochester, MN
Christopher L. Camp, M.D. Rochester, MN
Michael J. Stuart, M.D. Rochester, MN
Bruce A. Levy, M.D. Rochester, MN
Diane L. Dahm, M.D. Rochester, MN
Aaron J. Krych, M.D. Rochester, MN

8:57 a.m. – 9:02 a.m.

2. Walking Greater Than Five Feet After Hip Fracture Surgery Decreases the Risk of Complications, Including Death
*Richard J. VanTienderen, D.O. El Paso, TX
Isaac Fernandez, M.D. El Paso, TX
Dominic Campano, M.D. El Paso, TX
Michael S. Reich, M.D. El Paso, TX
Mai P. Nguyen, M.D. El Paso, TX

9:03 a.m. - 9:08 a.m.

3. Comparison of Total Knee Arthroplasty Outcomes in Patients with and Without Chronic Preoperative Opioid Usage
Christian J. Eccles, M.D. Louisville, KY
*Austin F. Smith, M.D. Louisville, KY
David Hagan, B.S. Louisville, KY
Trevor Fain, B.S. Louisville, KY
Shikha Sachdeva, M.D. Louisville, KY
Langan Smith, B.S. Louisville, KY
Arthur L. Malkani, M.D. Louisville, KY

9:09 a.m. - 9:14 a.m. 4. Implementation of Procedure-Specific Opioid Guidelines: A Facile Strategy to Improve Consistency and Decrease Excess Prescribing Following Orthopedic Surgery
Cody C. Wyles, M.D. Rochester, MN
Mario Hevesi, M.D. Rochester, MN
Dan S. Ubl, M.D. Rochester, MN
Elizabeth B. Habermann, Ph.D. Rochester, MN
Halena M. Gazelka, M.D. Rochester, MN
Robert T. Trousdale, M.D. Rochester, MN
Mark W. Pagnano, M.D. Rochester, MN
*Tad M. Mabry, M.D. Rochester, MN

9:14 a.m. - 9:24 a.m. Floor Discussion

9:25 a.m. - 9:55 a.m. **CLASSICS IN ORTHOPAEDICS**
Topic: Extensor Mechanism Complications in TKA: Evaluation and Management
Speaker: Kevin L. Garvin, M.D.
Omaha, NE

Introduced by:

9:56 a.m. - 10:01 a.m. **Introduction of Recipients of Education Grants, Multipurpose Resident Grants, and Traveling Fellowships**
Introductions by: Lisa K. Cannada, M.D.
Jacksonville, FL

10:02 a.m. - 10:07 a.m. **Traveling Fellowship Presentation**

10:08 a.m. - 10:13 a.m. **Traveling Fellowship Presentation**

10:14 a.m. - 10:30 a.m. **Historian's Report**
Robert L. Kurland, M.D.
Rochester, MN
Room: Emerald ABC

10:30 a.m. - 10:40 a.m. **First Member Business Meeting**
Room: Emerald ABC

10:30 a.m. – 11:00 a.m. **Poster Viewing** – presenters will be available (CME credit will be offered)
Room: Coastal Foyer

10:30 a.m. - 11:00 a.m. **Coffee Break in Exhibit Area**
Room: Coastal Ballroom

11:00 a.m. - 11:30 a.m. **Ask the Expert and Open Case Discussions**
Topic: How Do I Deal with Hip Instability?
Room: Emerald ABC

Faculty:

11:30 a.m. - 12:00 p.m. **Ask the Expert and Open Case Discussions**
Topic: From Native Septic Joints to Chronic PJI
Room: Emerald ABC

12:00 p.m. - 1:00 p.m.

Industry-sponsored lunch/presentation (No CME offered)

Room: Coral A vs. Emerald D

Topic: TBD

Speaker:

1:15 p.m. – 3:00 p.m. **Five Breakouts to run concurrently**

THURSDAY, APRIL 11, 2019

BREAKOUT SESSION #1

Topic: Hand/Elbow

Room: Coral C

Co-Moderator:

Co-Moderator:

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| 1:15 p.m. – 1:20 p.m. | 5. | Long Term Follow-Up of the Universal Total Wrist Arthroplasty in Patients with Rheumatoid Arthritis
*S. Blake Dowdle, M.D. Iowa City, IA
Jessica M. Hanley, M.D. Iowa City, IA
Josef N. Tofte, M.D. Iowa City, IA
Brian D. Adams, M.D. Iowa City, IA
Lindsey S. Caldwell, M.D. Iowa City, IA
Timothy P. Fowler, M.D. Iowa City, IA
Ericka A. Lawler, M.D. Iowa City, IA |
| 1:21 p.m. – 1:26 p.m. | 6. | The Impact of Social Deprivation on Pediatric PROMIS Health Scores After Upper Extremity Fracture
*Ugochi C. Okoroafor, M.D. St. Louis, MO
William Gerull, M.D. St. Louis, MO
Melissa Wright, M.D. St. Louis, MO
Jason Guattery, M.D. St. Louis, MO
Brinkley K. Sandvall, M.D. St. Louis, MO
Ryan P. Calfee, M.D. St. Louis, MO |
| 1:27 p.m. – 1:32 p.m. | 7. | Outcomes of Staged Treatment for Complex Distal Radius Fractures
*Brooks W. Ficke, M.D. Roswell, GA
Erin F. Ransom, M.D. Birmingham, AL
Matthew C. Hess, B.S. Birmingham, AL
Andrew S. Moon, B.S. Birmingham, AL
Chanson Farnell, B.S. Birmingham, AL
Jun Kit He, B.S. Birmingham, AL
Nileshkumar Chaudhari, M.D. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL |
| 1:33 p.m. – 1:38 p.m. | 8. | Incidence and Risk Factors of Scaphoid Fracture Associated with Radial Head and Neck Fracture
*Robert R. Williams, M.D. Galveston, TX
Daniel C. Jupiter, Ph.D. Galveston, TX
Nicholas H. Maassen, M.D. Galveston, TX |
| 1:38 p.m. – 1:45 p.m. | Floor Discussion | |
| 1:46 p.m. – 1:51 p.m. | 9. | Safety and Efficacy of Forearm Tourniquet Compared to Upper Arm Tourniquet for Local Intravenous Regional Anesthesia in Hand Surgery
*Alexander J. Volkmar, B.S. Iowa City, IA
Molly A. Day, M.D. Iowa City, IA
Ericka A. Lawler, M.D. Iowa City, IA
Melinda Seering, M.D. Iowa City, IA
Lindsey S. Caldwell, M.D. Iowa City, IA |

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| 1:52 p.m. – 1:57 p.m. | 10. | <p>Operating Room Supply Waste in Elective Hand Surgery
 Adam C. Walchak, M.D. Oklahoma City, OK
 *Scott H. Conant, M.D. Oklahoma City, OK
 Jeffrey L. Horinek, M.D. Oklahoma City, OK
 Ghazi M. Rayan, M.D. Oklahoma City, OK</p> |
| 1:58 p.m. – 2:03 p.m. | 11. | <p>Early Postoperative Improvement in Sleep and Pain After Carpal Tunnel Release in Patients with Carpal Tunnel Syndrome
 *Steven R. Niedermeier, M.D. Columbus, OH
 Travis L. Frantz, M.D. Columbus, OH
 Robert R. Pettit, M.D. Columbus, OH
 Hisham Awan, M.D. Columbus, OH</p> |
| 2:04 p.m. – 2:09 pm. | 12. | <p>Cost Savings of Carpel Tunnel Release Performed In-Clinic Compared to an Ambulatory Surgery Center: Time-Driven Activity-Based-Costing
 *Melissa White, B.S. St. Paul, MN
 Kelsey Wise, M.D. St. Paul, MN
 Harsh Parihk, M.P.H., M.T. (ASCP) St. Paul, MN
 Sandy Vang St. Paul, MN
 Christina M. Ward, M.D. St. Paul, MN
 Brian Cunningham, M.D. St. Paul, MN</p> |
| 2:09 p.m. – 2:16 p.m. | Floor Discussion | |
| 2:17 p.m. – 2:26 p.m. | <p>Spotlight Lecture
 Speaker:
 Topic:</p> | |
| 2:27 p.m. – 2:32 p.m. | 13. | <p>Biomechanical Study of Extensor Tendon Lacerations Over the Finger Metacarpophalangeal Joints
 Ryan E. Harold, M.D. Chicago, IL
 Justin Chan, M.D. Chicago, IL
 *Muturi G. Muriuki, Ph.D. Maywood, IL
 Robert M. Havey, M.D. Maywood, IL
 David M. Kalainov, M.D. Chicago, IL</p> |
| 2:33 p.m. – 2:38 p.m. | 14. | <p>Distribution of Costs in a 90-Day Episode of Care for Patients Undergoing ORIF for Distal Radius Fractures – Moving Towards Bundled Payment Models in Hand Surgery
 Azeem T. Malik, M.D. Columbus, OH
 Nikhil Jain, M.D. Columbus, OH
 *Kanu S. Goyal, M.D. Columbus, OH
 Hisham M. Awan, M.D. Columbus, OH
 Abhishek Julka, M.D. Columbus, OH
 Safdar N. Khan, M.D. Columbus, OH</p> |
| 2:39 p.m. – 2:44 p.m. | 15. | <p>Characterization of the Dorsal Ulnar Corner in Distal Radius Fractures: Implications for Surgical Decision Making
 *Joseph L. Zimmer Columbia, MO
 Danielle N. Atwood, M.D. Columbia, MO
 Andrew J. Lovy, M.D. Rochester, MN
 Alexander Y. Shin, M.D. Rochester, MN
 David M. Brogan, M.D., MSc St. Louis, MO</p> |

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| 2:45 p.m. – 2:50 p.m. | 16. Perilunar Injury with Concomitant Radiocarpal Dislocation: Incidence and Proposal for Treatment
*Nicole M. Sgromolo, M.D. Fort Sam Houston, TX
Ian A. Mullikin, M.D. Fort Sam Houston, TX
Peter C. Rhee, D.O. Rochester, MN |
| 2:50 p.m. – 3:00 p.m. | Floor Discussion |

THURSDAY, APRIL 11, 2019
BREAKOUT SESSION #2
Topic: Sports Medicine
Room: Coral A

Co-Moderator:

Co-Moderator:

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| 1:15 p.m. – 1:20 p.m. | 17. The Impact of a Standardized Multimodal Analgesia Protocol on Opioid Prescriptions After Common Arthroscopic Procedures
Christina J. Hajewski, M.D. Iowa City, IA
*Robert W. Westermann, M.D. Iowa City, IA
Andrew J. Holte, B.S. Iowa City, IA
Alan G. Shamrock, M.D. Iowa City, IA
Matthew J. Bollier, M.D. Iowa City, IA
Brian R. Wolf, M.D., M.S. Iowa City, IA |
| 1:21 p.m. – 1:26 p.m. | 18. Reduction of Opioid Over-Prescribing and Consumption After Upper Extremity Surgery Through a Predictive Pain Calculator and Comprehensive Pain Plan
Marissa D. Jamieson, M.D. Columbus, OH
Joshua S. Everhart, M.D. Columbus, OH
*James S. Lin, M.D. Columbus, OH
Sonu A. Jain, M.D. Columbus, OH
Hisham M. Awan, M.D. Columbus, OH
Kanu S. Goyal, M.D. Columbus, OH |
| 1:27 p.m. – 1:32 p.m. | 19. The Effect of Preoperative Opioid Use on Outcome Scores and Postoperative Opioid Use After ACL Reconstruction
*Christina J. Hajewski, M.D. Iowa City, IA
Andrew Freese, M.D. Iowa City, IA
Alan G. Shamrock, M.D. Iowa City, IA
Matthew J. Bollier, M.D. Iowa City, IA
Brian R. Wolf, M.D., M.S. Iowa City, IA
Robert W. Westermann, M.D. Iowa City, IA |
| 1:33 p.m. – 1:38 p.m. | 20. Preoperative Opioid Use and Degree of Arthritis Predicts Duration of Postoperative Opioid Use Following Arthroscopic Meniscus Surgery
*Kevin A. Taylor, M.D. Detroit, MI
Toufic R. Jildeh, M.D. Detroit, MI
Lafi S. Khalil, M.D. Detroit, MI
Kelechi R. Okoroha, M.D. Detroit, MI
Robert N. Matar, M.S. Mt. Pleasant, MI
Alexander Geisenhoff, B.S. Detroit, MI
Vasilios Moutzouros, M.D. Detroit, MI |
| 1:38 p.m. – 1:45 p.m. | Floor Discussion |

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| 1:46 p.m. – 1:51 p.m. | 21. | Fatigue Increases Anterior Cruciate Ligament Injury Risk in Youth Athletes: Results from a Field-Based Drop-Jump Test
Mohsin S. Fidai, M.D. Detroit, MI
Kelechi R. Okoroha, M.D. Detroit, MI
Jason Meldau, B.S. Detroit, MI
Fabien Meta, M.D. Detroit, MI
Vincent A. Lizzio, M.D. Detroit, MI
Caleb M. Gullledge, B.S. Detroit, MI
L. H. Redler, M.D. Detroit, MI
Vasilios Moutzouros, M.D. Detroit, MI
Eric C. Makhni, M.D., M.B.A. Detroit, MI |
| 1:52 p.m. – 1:57 p.m. | 22. | Do Tibial Eminence Fractures and Anterior Cruciate Ligament Tears Have Similar Outcomes?
*Heath P. Melugin, M.D. Rochester, MN
Vishal S. Desai, B.S. Rochester, MN
Christopher L. Camp, M.D. Rochester, MN
Todd A. Milbrandt, M.D. Rochester, MN
Diane L. Dahm, M.D. Rochester, MN
Bruce A. Levy, M.D. Rochester, MN
Michael J. Stuart, M.D. Rochester, MN
Aaron J. Krych, M.D. Rochester, MN |
| 1:58 p.m. – 2:03 p.m. | 23. | Radiographic Description of Soft-Tissue Attachments Around the Elbow
*Patrick Moen, M.D. St. Louis, MO
Brian W. Hill, M.D. St. Louis, MO
Christopher Kim, M.D. St. Louis, MO
Scott G. Kaar, M.D. St. Louis, MO |
| 2:04 p.m. – 2:09 pm. | 24. | Early Surgical Results of One-Stage Autologous Chondrocyte Implantation
*Koan J. Heindel, D.O. Akron, OH
Paul R. Fleissner, Jr., M.D. Akron, OH |
| 2:09 p.m. – 2:16 p.m. | | Floor Discussion |
| 2:17 p.m. – 2:26 p.m. | | Spotlight Lecture
Speaker:
Topic: |

- 2:27 p.m. – 2:32 p.m. 25. The Recurrent Instability of the Patella (RIP) Score: A Statistically-Based Model for Prediction of Long-Term Recurrence Risk After First-Time Dislocation
Mario Hevesi, M.D. Rochester, MN
Christopher D. Bernard, B.S. Rochester, MN
*Devin P. Leland, B.S. Rochester, MN
Mark J. Heidenreich, M.D. Rochester, MN
Christopher L. Camp, M.D. Rochester, MN
Timothy E. Hewett, Ph.D. Rochester, MN
Michael J. Stuart, M.D. Rochester, MN
Diane L. Dahm, M.D. Rochester, MN
Aaron J. Krych, M.D. Rochester, MN
- 2:33 p.m. – 2:38 p.m. 26. How Long Does It Take for Patients to Complete PROMIS Scores? An Assessment of PROMIS CAT Questionnaires Administered in the Ambulatory Sports Medicine Clinic
Omar M. Kadri, M.D. Detroit, MI
Toufic R. Jildeh, M.D. Detroit, MI
Jason Meldau, B.S. Detroit, MI
Jacob Blanchett, B.S. Detroit, MI
Peter Borowsky, B.S. Detroit, MI
Stephanie J. Muh, M.D. Detroit, MI
Vasilios Moutzouros, M.D. Detroit, MI
Eric C. Makhni, M.D., M.B.A. Detroit, MI
- 2:39 p.m. – 2:44 p.m. 27. A Decade of NSQIP: Trends and Reimbursement in Arthroscopic Surgery
*Mia Helfrich, M.D. Chicago, IL
Daniel J. Johnson, M.D. Chicago, IL
Matthew J. Hartwell, M.D. Chicago, IL
Richard W. Nicolay, M.D. Chicago, IL
Robert A. Christian, M.D. Chicago, IL
Fernando A. H. Hernandez, M.D. Chicago, IL
Michael A. Terry, M.D. Chicago, IL
Vehniah K. Tjong, M.D. Chicago, IL
- 2:45 p.m. – 2:50 p.m. 28. Arthroscopy vs. Arthrotomy for Septic Knee Arthritis: Equivalent or Underpowered?
Daniel J. Johnson, M.D. Chicago, IL
Matthew J. Hartwell, M.D. Chicago, IL
Richard W. Nicolay, M.D. Chicago, IL
Ryan A. Selley, M.D. Chicago, IL
Clair Hernandez, B.S. Chicago, IL
Michael A. Terry, M.D. Chicago, IL
*Vehniah K. Tjong, M.D. Chicago, IL
- 2:50 p.m. – 3:00 p.m. Floor Discussion

THURSDAY, APRIL 11, 2019
BREAKOUT SESSION #3
Topic: Trauma
Room: Coral B

Co-Moderator:

Co-Moderator:

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| 1:15 p.m. – 1:20 p.m. | <p>29. Short Cephalomedullary Nails Superior to Long Cephalomedullary Nails for Pertrochanteric Hip Fractures: A Randomized Prospective Study
 *Steven F. Shannon, M.D. Rochester, MN
 Brandon J. Yuan, M.D. Rochester, MN
 William W. Cross, III, M.D. Rochester, MN
 Jonathan D. Barlow, M.D. Rochester, MN
 Michael E. Torchia, M.D. Rochester, MN
 Pamela K. Holte, APRN, M.S.N., C.N.P. Rochester, MN
 S. Andrew Sems, M.D. Rochester, MN</p> |
| 1:21 p.m. – 1:26 p.m. | <p>30. Accurate Prediction of Antegrade or Retrograde Femoral Intramedullary Implant Length from Patient Height: A Review of 608 Cases
 *Jeffrey M. Pearson, M.D. Birmingham, AL
 Gerald McGwin, Ph.D., M.S. Birmingham, AL
 Jonathan H. Quade, M.D. Birmingham, AL</p> |
| 1:27 p.m. – 1:32 p.m. | <p>31. Do Geriatric Hip Fractures Need Follow-Up Past Three Months? A 10-Year Retrospective Review
 *Philip J. Shaheen, M.D. St. Louis, MO
 Djoldas M. Kuldjanov, M.D. St. Louis, MO
 J. Tracy Watson, M.D. St. Louis, MO</p> |
| 1:33 p.m. – 1:38 p.m. | <p>32. Hybrid Screw Fixation for Femoral Neck Fractures: Does it Prevent Mechanical Failure?
 *Derly O. Cuellar, III, M.D. St. Louis, MO
 J. Tracy Watson, M.D. St. Louis, MO
 J. Gary Bledsoe, Ph.D. St. Louis, MO</p> |
| 1:38 p.m. – 1:45 p.m. | <p>Floor Discussion</p> |
| 1:46 p.m. – 1:51 p.m. | <p>33. Tibia Fractures and NSAIDs. Does It Make a Difference? A Multicenter Retrospective Study
 *Lauren M. Fader, M.D. Louisville, KY
 Rodolfo Zamora, M.D. Louisville, KY
 John E. Whitaker, B.S. Louisville, KY
 Miguel Lopez, B.S. Louisville, KY
 Mauricio Parra, M.D. Santiago, Chile</p> |
| 1:52 p.m. – 1:57 p.m. | <p>34. Effect of Postoperative Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) on Nonunion Rates in Long Bone Fractures
 *William A. Tucker, M.D. Kansas City, KS
 Mitchell C. Birt, M.D. Kansas City, KS
 Greg A. Horton, M.D. Kansas City, KS
 Archie A. Heddings, M.D. Kansas City, KS</p> |

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| 1:58 p.m. – 2:03 p.m. | <p>35. Clinical Outcomes Following Intramedullary Nailing of Select Tibial Plateau Fractures
 Anokha A. Padubidri, M.D. Indianapolis, IN
 Greg Gaski, M.D. Indianapolis, IN
 *Andrew S. Gudeman, M.D. Indianapolis, IN
 Anthony T. Sorkin, M.D. Indianapolis, IN</p> |
| 2:04 p.m. – 2:09 pm. | <p>36. Subsequent Femoral Fragility Fractures: Underreported and Construct-Related
 *Michael Murphy, B.S. Maywood, IL
 Bailey E. Johnson, M.D. Maywood, IL
 Conrad Stasieluk, B.S. Maywood, IL
 Hobie D. Summers, M.D. Maywood, IL
 Joseph B. Cohen, M.D. Maywood, IL
 William D. Lack, M.D. Maywood, IL</p> |
| 2:09 p.m. – 2:16 p.m. | <p>Floor Discussion</p> |
| 2:17 p.m. – 2:26 p.m. | <p>Spotlight Lecture
 Speaker:
 Topic:</p> |
| 2:27 p.m. – 2:32 p.m. | <p>37. Radiographic and Clinical Outcomes in Patients Who Develop Deep Infections After Undergoing Placement of Anterior Subcutaneous Pelvic Fixator
 *Karun Amar, M.D. Detroit, MI
 Derrek Woodbury, D.O. Detroit, MI
 Frederick Tonnos, D.O. Detroit, MI
 Rahul Vaidya, M.D. Detroit, MI</p> |
| 2:33 p.m. – 2:38 p.m. | <p>38. Initiating A Diabetes Control Protocol In Orthopedic Trauma Patients Can Predict Surgical Site Infections and Improve Long Term Diabetes Management
 *Michael S. Reich, M.D. El Paso, TX
 Isaac Fernandez, B.S. El Paso, TX
 Abhinav Mishra, B.S. El Paso, TX
 Lisa Kafchinski, M.D. El Paso, TX
 Adam Adler, M.D. El Paso, TX
 Mai P. Nguyen, M.D. El Paso, TX</p> |
| 2:39 p.m. – 2:44 p.m. | <p>39. Does Standardization of Surgical Preparation Decrease Infection Rate in Closed Fracture ORIF?
 *Brett D. Crist, M.D., FACS Columbia, MO
 Matt Smith, M.D. Columbia, MO
 Conor Smith, M.D. Columbia, MO</p> |
| 2:45 p.m. – 2:50 p.m. | <p>40. Bacterial DNA Screening to Determine Infection Risk in Patients with Closed Fractures Undergoing ORIF
 Brett D. Crist, M.D., FACS Columbia, MO
 Brian D. Campfield, M.D. Columbia, MO
 Andrew J. Garrone, B.S. Columbia, MO
 James L. Cook, DVM, Ph.D., OTSC Columbia, MO</p> |
| 2:50 p.m. – 3:00 p.m. | <p>Floor Discussion</p> |

**THURSDAY, APRIL 11, 2019
BREAKOUT SESSION #4**

**Topic: Hip and Knee Arthroplasty Infection
Room: Emerald ABC**

Co-Moderator:

Co-Moderator:

- 1:15 p.m. – 1:20 p.m. 41. Increased PJI Risk Following Primary TKA and THA with Alternatives to Cefazolin: The Value of Allergy Testing for Antibiotic Prophylaxis
*Cody C. Wyles, M.D. Rochester, MN
Mario Hevesi, M.D. Rochester, MN
Douglas R. Osmon, M.D. Rochester, MN
Miguel A. Park, M.D. Rochester, MN
Elizabeth B. Habermann, Ph.D. Rochester, MN
David G. Lewallen, M.D. Rochester, MN
Daniel J. Berry, M.D. Rochester, MN
Rafael J. Sierra, M.D. Rochester, MN
- 1:21 p.m. – 1:26 p.m. 42. Protocol-Based Dual-Antibiotic Protocol Effectively Reduces Prosthetic Joint Infection Rates
*Mark K. Lane, M.D. Columbia, MO
Ben Hansen, M.D. Columbia, MO
Ajay Aggarwal, M.D. Columbia, MO
James A. Keeney, M.D. Columbia, MO
- 1:27 p.m. – 1:32 p.m. 43. Efficacy of Intraoperative Prophylactic Techniques for Prevention of Periprosthetic Joint Infection: Superiority of Betadine Against Multiple Bacteria
Kyle H. Cichos, B.S. Birmingham, AL
Rachel Andrews, B.S. Birmingham, AL
Whitney Narmore, B.S. Birmingham, AL
Frank Wolschendorf, Ph.D. Birmingham, AL
*Elie S. Ghanem, M.D. Birmingham, AL
- 1:33 p.m. – 1:38 p.m. 44. Dilute Povidone-Iodine Did Not Decrease Infection in 11,738 Primary Hip and Knee Arthroplasties
*Nicholas M. Hernandez, M.D. Rochester, MN
Adam Hart, M.D. Rochester, MN
Michael J. Taunton, M.D. Rochester, MN
Tad M. Mabry, M.D. Rochester, MN
Matthew P. Abdel, M.D. Rochester, MN
Kevin I. Perry, M.D. Rochester, MN
- 1:38 p.m. – 1:45 p.m. Floor Discussion

1:46 p.m. – 1:51 p.m.	45.	Dilute Betadine Lavage Reduces the Risk of Acute Postoperative Infection in Aseptic Revision Total Knee or Hip Arthroplasty: Interim Analysis of a Randomized Controlled Trial *Tyler E. Calkins, B.S. Chicago, IL Chris Culvern, M.S. Chicago, IL Denis Nam, M.D., MSc Chicago, IL Tad L. Gerlinger, M.D. Chicago, IL Brett R. Levine, M.D., M.S. Chicago, IL Scott M. Sporer, M.D. Chicago, IL Craig J. Della Valle, M.D. Chicago, IL
1:52 p.m. – 1:57 p.m.	46.	The Ideal Diagnostic Thresholds for Diagnosing Periprosthetic Joint Infections in Patients with Diabetes Mellitus: A Multicenter Study Joshua Bingham, M.D. Rochester, MN Ayoosh Pareek, M.D. Rochester, MN Chad W. Parkes, M.D. Rochester, MN Craig J. Della Valle, M.D. Chicago, IL Adam J. Schwartz, M.D. Phoenix, AZ Kevin I. Perry, M.D. Rochester, MN
1:58 p.m. – 2:03 p.m.	47.	Next-Generation Sequencing DNA Analysis in a Cohort of '2018 Definition' MSIS Hip and Knee Infections *Lucian C. Warth, M.D. Fishers, IN Matthew R. Zielinski, M.S. Indianapolis, IN Mary Ziemba-Davis, B.S. Indianapolis, IN R. Michael Meneghini, M.D. Fishers, IN
2:04 p.m. – 2:09 pm.	48.	Diagnostic Accuracy of the Alpha-Defensin Test at Reimplantation of a Two-Stage Revision for Periprosthetic Joint Infection; Good Correlation with MSIS Criteria, Poor Validity for Prediction of Failure at 1 Year *Linsen T. Samuel, M.D. Cleveland, OH Assem A. Sultan, M.D. Cleveland, OH Matthew Kheir, M.D. Philadelphia, PA Jesus Villa, M.D. Weston, FL Preetesh D. Patel, M.D. Weston, FL Javad Parvizi, M.D., FRCS Philadelphia, PA Carlos A. Higuera, M.D. Weston, FL
2:09 p.m. – 2:16 p.m.	Floor Discussion	
2:17 p.m. – 2:26 p.m.	Spotlight Lecture Speaker: Carlos A. Higuera, M.D. Weston, FL Topic: Current State in PJI	
2:27 p.m. – 2:32 p.m.	49.	A Retrospective Comparison of a Modified Single-Stage vs. a Traditional Two-Stage Revision Arthroplasty for Management of Periprosthetic Joint Infection *Michael Stojanovic, M.D. St. Paul, MN Jaspreet Sidhu, M.D. Stockton, CA Harsh Parikh, M.D. St. Paul, MN Scott B. Marston, M.D. St. Paul, MN

2:33 p.m. – 2:38 p.m.	50.	TBD	
2:39 p.m. – 2:44 p.m.	51.	TBD	
2:45 p.m. – 2:50 p.m.	52.	Antibiotic Elution and Mechanical Strength of PMMA Bone Cement Loaded With Borate Bioactive Glass	
		Grahmm A. Funk, B.S.	Kansas City, KS
		*Jonathan C. Burkes, M.D.	Kansas City, KS
		Kimberly A. Cole, M.S.	Kansas City, KS
		Mohamed N. Rahaman, Ph.D.	Rolla, MO
		Terence E. Mciff, Ph.D.	Kansas City, KS
2:51 p.m. – 2:56 p.m.	53.	Combined D-Amino Acids with a Nanosolution with Magnetic Hyperthermia Successfully Disrupts Bacterial Biofilm – A Potential Treatment for Periprosthetic Joint Infection	
		Eric C. Abenojar, Ph.D.	Cleveland, OH
		Sameera Wickramasinghe, M.S.	Cleveland, OH
		Minseon Ju, B.S.	Cleveland, OH
		Sarika Uppaluri, B.S.	Cleveland, OH
		Alison K. Klika, M.S.	Cleveland, OH
		Jaiben George, M.D.	Cleveland, OH
		Wael K. Barsoum, M.D.	Cleveland, OH
		Salvatore J. Frangiamore, M.D.	Akron, OH
		*Carlos A. Higuera, M.D.	Weston, FL
		Anna Cristina S. Samia, Ph.D.	Cleveland, OH
2:56 p.m. – 3:00 p.m.		Floor Discussion	

**THURSDAY, APRIL 11, 2019
BREAKOUT SESSION #5**

**Topic: Tumor/Education/Practice Management
Room: Coral D**

Co-Moderator:

Co-Moderator:

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| 1:15 p.m. – 1:20 p.m. | <p>54. Sarcopenia is Associated with Increased Mortality and Complications Following Limb-Sparing Reconstruction for Sarcoma of the Extremities</p> <p>*Nathan R. Hendrickson, M.D. Iowa City, IA
 Zachary Mayo, M.D. Iowa City, IA
 Alan G. Shamrock, M.D. Iowa City, IA
 Natalie A. Glass, Ph.D. Iowa City, IA
 Peter Nau, M.D. Iowa City, IA
 Benjamin J. Miller, M.D. Iowa City, IA</p> |
| 1:21 p.m. – 1:26 p.m. | <p>55. Skin Fiducial Markers Enable Accurate Computerized Navigation Resection of Simulated Soft Tissue Tumors: A Static Cadaveric Model Pilot Study</p> <p>Christian J. Eccles, M.D. Louisville, KY
 *John E. Whitaker, B.S. Louisville, KY
 John Nyland, B.S. Louisville, KY
 Craig S. Roberts, M.D., M.B.A. Louisville, KY
 Jon B. Carlson, M.D. Louisville, KY
 Rodolfo Zamora, M.D. Louisville, KY</p> |
| 1:27 p.m. – 1:32 p.m. | <p>56. Dual Mobility Components Cemented into an Acetabular Reconstructive Cage for Large Osseous Defects in the Setting of Periacetabular Metastatic Disease</p> <p>*Darren Plummer, M.D. Columbus, OH
 John Alexander, M.D. Columbus, OH
 Sravya Vajapey, M.D. Columbus, OH
 Travis Frantz, M.D. Columbus, OH
 Steven R. Niedermeier, M.D. Columbus, OH
 Robert Pettit, M.D. Columbus, OH
 Thomas J. Scharschmidt, M.D. Columbus, OH</p> |
| 1:33 p.m. – 1:38 p.m. | <p>57. Thirty-Day Morbidity and Mortality in Surgical Management of Primary Bone and Soft Tissue Sarcomas – An ACS-NSQIP Analysis</p> <p>*Kathryn E. Gallaway, B.S. Dallas, TX
 Junho Ahn, B.S. Dallas, TX
 Alexandra K. Callan, M.D. Dallas, TX</p> |
| 1:38 p.m. – 1:45 p.m. | <p>Floor Discussion</p> |
| 1:46 p.m. – 1:51 p.m. | <p>58. The Resident's Transition into Orthopedics: Do We Have Proficiency and Competency Deficiencies that Could Indicate Potential Patient Safety Issues?</p> <p>*Mark J. Sangimino, M.D. Pittsburgh, PA
 Brian Chen, M.D. Pittsburgh, PA
 Daniel Drake, M.D. Pittsburgh, PA
 Abigail Panneton Pittsburgh, PA</p> |

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| 1:52 p.m. – 1:57 p.m. | <p>59. Implementation of a One Way, Online Video Interview as a Part of the Orthopedic Surgery Residency Application Process: Logistics, Results, and Benefits</p> <p>*Courtney E. Baker, M.D. Rochester, MN
 Norman S. Turner, M.D. Rochester, MN
 Christopher D. Bernard, B.S. Rochester, MN
 Channon E. Cordes-Cole Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN</p> |
| 1:58 p.m. – 2:03 p.m. | <p>60. The Measurement of Orthopedic Surgeon Sleep and Burnout Using a Validated Wearable Device</p> <p>*Kyle R. Sochacki, M.D. Houston, TX
 David Dong, B.S. Houston, TX
 Patrick C. McCulloch, M.D. Houston, TX
 Leif E. Peterson, Ph.D. Houston, TX
 Joshua D. Harris, M.D. Houston, TX</p> |
| 2:04 p.m. – 2:09 pm. | <p>61. Is Grit the New Fit? -- Assessing Non-Cognitive Variables in Orthopedic Surgery Trainees</p> <p>*Emil B. Kurian, B.S. Rochester, MN
 Vishal S. Desai, B.S. Rochester, MN
 Devin Leland, B.S. Rochester, MN
 Norman S. Turner, M.D. Rochester, MN
 Brian M. Grawe, M.D. Cincinnati, OH
 Anne M. Kelly, M.D. New York, NY
 Aaron J. Krych, M.D. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN</p> |
| 2:09 p.m. – 2:16 p.m. | <p>Floor Discussion</p> |
| 2:17 p.m. – 2:26 p.m. | <p>Spotlight Lecture
 Speaker:
 Topic:</p> |
| 2:27 p.m. – 2:32 p.m. | <p>62. How Safe is “Safe”? Radiation Exposure from Intraoperative CT in Traditionally Safe Operating Room Zones</p> <p>*Amy N. Ford, M.D. Chicago, IL
 Bartosz Wojewnik, M.D. Chicago, IL</p> |
| 2:33 p.m. – 2:38 p.m. | <p>63. Optimization of Orthopedic Surgical Instrument Trays: Lean Principles to Reduce Fixed Operating Room Expenses</p> <p>*Kyle H. Cichos, B.S. Birmingham, AL
 Zane B. Hyde, M.D. Birmingham, AL
 Scott E. Mabry, M.D. Birmingham, AL
 Gerald McGwin, Ph.D., M.S. Birmingham, AL
 Eugene W. Brabston, M.D. Birmingham, AL
 Elie S. Ghanem, M.D. Birmingham, AL
 Brent A. Ponce, M.D. Birmingham, AL</p> |
| 2:39 p.m. – 2:44 p.m. | <p>64. Long-Term Sustainability of a Quality Initiative Program on Transfusion Rates in Total Joint Arthroplasty; A Quality Initiative Follow-Up Study</p> <p>*Nicholas J. Bolz, M.D. Novi, MI
 Bradley J. Zarling, M.D. Novi, MI
 David C. Markel, M.D. Novi, MI</p> |

2:45 p.m. – 2:50 p.m.	65. Partners in Care Since 2014: An Innovative Surgeon Practice Model 3 Bundled Payments for Care Improvement (BPCI) Initiative Added Value for Hip/Knee/Ankle Total Joint Replacement Post-Acute Care *Ritesh R. Shah, M.D. Morton Grove, IL Jeffrey M. Goldstein, M.D. Morton Grove, IL Andre Blom Morton Grove, IL Julie DiGiovanna Morton Grove, IL Feifei Zhang, Ph.D. Rosemont, IL William J. Robb, M.D. Morton Grove, IL
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2:50 p.m. – 3:00 p.m.	Floor Discussion
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3:30 p.m. – 5:00 p.m.	Company-sponsored workshop (slot currently open) Room:
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FRIDAY, APRIL 12, 2019

6:30 a.m. – 7:45 a.m.

Instructional Course III

Topic: The Young Adult Hip – What is the Issue?
Room: Coral A

Faculty: W. Kelton Vasileff, M.D., Moderator
Columbus, OH

Jeffrey J. Nepple, M.D.
St. Louis, MO

Rafael J. Sierra, M.D.
Rochester, MN

Geoffrey Van Thiel, M.D., M.B.A.
Rockford, IL

6:30 a.m. – 7:45 a.m.

Instructional Course IV

Topic: Why Didn't That Work? Techniques That Work Great in the
Textbook...But Not Always in Practice
Room: Coral B

Faculty: Brandon J. Yuan, M.D., Moderator
Jonathan D. Barlow, M.D., M.S.
William W. Cross, III, M.D.
S. Andrew Sems, M.D.
Rochester, MN

SECOND PLENARY SESSION

Room: Emerald ABC

8:00 a.m. - 8:03 a.m.

Assemble/Announcements

8:03 a.m. - 8:33 a.m.

PRESIDENTIAL GUEST SPEAKER

Topic: Closing the Gap Between Health Care and Health
Speaker: James N. Weinstein, D.O., M.S.
Boston, MA

Introduced by: Robert F. McLain, M.D.
Solon, OH

8:34 a.m. - 9:11 a.m.

Symposium II

Topic: Emerging Trends in Health Care

Faculty: Wael K. Barsoum, M.D., Moderator
Weston, FL

9:12 a.m. – 9:27 a.m.

AAOS Report

Kristy L. Weber, M.D.
Philadelphia, PA
President, American Academy of Orthopaedic Surgeons

Introduced by:

- 9:27 a.m. - 9:32 a.m. **Presentation of Mid-America Orthopaedic Association Physician in Training Award Winners for Excellence in Medical Writing**
Edward D. Henderson Award
E. W. Johnson, Jr. Award
Carl L. Nelson Award
Dallas B. Phemister Award
- Presented by: Carlos A. Higuera, M.D.
Cleveland, OH
- Co-Moderator:
- Co-Moderator:
- 9:32 a.m. - 9:37 a.m. 66. **Edward D. Henderson, M.D. Award Presentation**
- 9:38 a.m. - 9:43 a.m. 67. **E. W. Johnson, Jr., M.D. Award Presentation**
- 9:44 a.m. – 9:49 a.m. 68. **Carl L. Nelson, M.D. Award Presentation**
- 9:50 a.m. – 9:55 a.m. 69. **Dallas B. Phemister Award Presentation**
- 9:55 a.m. – 10:00 a.m. Floor Discussion
- 10:00 a.m. - 10:30 a.m. **CLASSICS IN ORTHOPAEDICS**
Topic: Malignancies Around the Major Joints: Current Surgical Treatment Options
Speaker: Kristy L. Weber, M.D.
Philadelphia, PA
- Introduced by:
- 10:30 a.m. – 11:00 a.m. **Poster Viewing** – presenters will be available (CME credit will be offered)
Room: Coastal Foyer
- 10:30 a.m. - 11:00 a.m. **Coffee Break in Exhibit Area**

11:00 a.m. - 1:00 p.m.

Five Breakouts to run concurrently

FRIDAY, APRIL 12, 2019
BREAKOUT SESSION #6
Topic: Foot and Ankle
Room: Coral D

Co-Moderator:

Co-Moderator:

11:00 a.m. - 11:05 a.m.

70. Effects of Aging on Walking Ankle Kinematics in the Sagittal Plane in an Asymptomatic Population
Trenden L. Flanigan, M.D. Dayton, OH
*Jonathan A. Rogozinski, M.D. Dayton, OH
Grant M. Slack, B.S. Dayton, OH
Max L. Quellhorst, B.S. Dayton, OH
Andrew W. Froehle, Ph.D. Dayton, OH
Richard T. Laughlin, M.D. Cincinnati, OH

11:06 a.m. - 11:11 a.m.

71. Revisiting the Prevalence of Associated Co-Pathologies in Chronic Lateral Ankle Instability: Are There Any Predictors of Outcome?
*Aaradhana Jha, M.D. Birmingham, AL
Ibukunoluwa Araoye, M.S. Birmingham, AL
Zachariah W. Pinter, B.S. Birmingham, AL
Sung R. Lee, B.S. Birmingham, AL
Cesar de Cesar Netto, M.D. Birmingham, AL
Parke Hudson, B.S. Birmingham, AL
Chandan Basetty Birmingham, AL
Alan Hsu, B.S. Birmingham, AL
Haley McKissack, B.S. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL

11:12 a.m. - 11:17 a.m.

72. Early vs. Delayed Mobilization Postoperative Protocols for Primary Lateral Ankle Ligament Repair: A Systematic Review
*Matthew L. G. Vopat, M.D. Kansas City, KS
Armin Tarakemeh, B.S. Kansas City, KS
Brandon L. Morris, M.D. Kansas City, KS
Maaz Hassan, B.S. Kansas City, KS
Patrick Garvin, B.S. Kansas City, KS
Scott M. Mullen, M.D. Kansas City, KS
J. Paul Schroepfel, M.D. Kansas City, KS
Bryan G. Vopat, M.D. Kansas City, KS

11:17 a.m. - 11:25 a.m.

Floor Discussion

11:26 a.m. - 11:31 a.m.

73. Postoperative Tourniquet Pain in Patients Undergoing Foot and Ankle Surgery
Eva Lehtonen, B.S. Birmingham, AL
Martim Pinto, M.D. Birmingham, AL
Harshadkumar A. Patel, M.D. Birmingham, AL
Promil Kukreja, M.D. Birmingham, AL
*Jun Kit He, B.S. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL

11:32 a.m. - 11:37 a.m.	74.	Postoperative Pain and Opioid Use Following Surgical Treatment of Ankle Fractures John G. Anderson, M.D. Grand Rapids, MI Donald R. Bohay, M.D. Grand Rapids, MI John D. Maskill, M.D. Grand Rapids, MI *Matthew J. Pate, B.S. Grand Rapids, MI Jacob T. Hall, B.S. Grand Rapids, MI Michelle A. Padley, M.S. Grand Rapids, MI
11:38 a.m. - 11:43 a.m.	75.	Preoperative Opioid Use is Associated with Prolonged Postoperative Opioid Use Following Total Ankle Arthroplasty *David E. DeMik, M.D. Iowa City, IA Christopher C. Cychosz, M.D. Iowa City, IA Nicholas A. Bedard, M.D. Iowa City, IA Cameron Barton, M.D. Iowa City, IA Kyle R. Duchman, M.D. Iowa City, IA
11:43 a.m. - 11:51 a.m.		Floor Discussion
11:52 a.m. – 12:00 p.m.		Spotlight Lecture Speaker: Topic:
12:01 p.m. – 12:06 p.m.	76.	Arthroscopy in Lateral Ankle Ligament Surgery: Costs, Complications, Intra-Articular Defect Diagnosis, and Reoperations G. Matthew Heenan Kansas City, KS *Kisan Parikh, M.D. Kansas City, KS Armin Tarakemeh, B.S. Kansas City, KS J. Paul Schroepfel, M.D. Kansas City, KS Scott M. Mullen, M.D. Kansas City, KS Bryan G. Vopat, M.D. Kansas City, KS
12:07 p.m. - 12:12 p.m.	77.	Nationwide Analysis of Total Ankle Replacement and Ankle Arthrodesis in Medicare Patients: Trends, Complications, and Cost William A. Tucker, M.D. Kansas City, KS Brandon L. Morris, M.D. Kansas City, KS Brandon L. Barnds, M.D. Kansas City, KS Armin Tarakemeh, B.S. Kansas City, KS Scott M. Mullen, M.D. Kansas City, KS J. Paul Schroepfel, M.D. Kansas City, KS Bryan G. Vopat, M.D. Kansas City, KS
12:13 p.m. - 12:18 p.m.	78.	A Comparative Analysis of Cost and Early Complications in Outpatient vs. Inpatient Hindfoot Fusion *John T. Wilson, B.S. Birmingham, AL Andrew S. Moon, B.S. Birmingham, AL Harshadkumar A. Patel, M.D. Birmingham, AL Andrew McGee, B.S. Birmingham, AL Gerald McGwin, Ph.D., M.S. Birmingham, AL Brooklyn Williamson Birmingham, AL Nicholas Dahlgren, B.S. Birmingham, AL Sierra Phillips, M.D. Birmingham, AL Ashish Shah, M.D. Birmingham, AL Sameer M. Naranje, M.D. Birmingham, AL

- 12:18 p.m. – 12:26 p.m. Floor Discussion
- 12:27 p.m. – 12:32 p.m. 79. Effect of Type 1 and Type 2 Diabetes Mellitus on Complication and Reoperation Rates of Ankle Arthrodesis and Total Ankle Arthroplasty
William A. Tucker, M.D. Kansas City, KS
Brandon L. Morris, M.D. Kansas City, KS
Brandon L. Barnds, M.D. Kansas City, KS
Armin Tarakemeh, B.S. Kansas City, KS
Scott M. Mullen, M.D. Kansas City, KS
J. Paul Schroepel, M.D. Kansas City, KS
Bryan G. Vopat, M.D. Kansas City, KS
- 12:33 p.m. - 12:38 p.m. 80. Incidence of Venous Thromboembolism in Orthopedic Foot and Ankle Surgeries: A Retrospective Database Analysis for Years 2006-2015
Samuel R. Huntley, B.S. Littleton, CO
Eildar Abyar, M.D. Birmingham, AL
Eva Lehtonen, B.S. Birmingham, AL
Harshadkumar A. Patel, M.D. Birmingham, AL
Alan Hsu, B.S. Birmingham, AL
Haley McKissack, B.S. Birmingham, AL
*Matthew Anderson, B.S. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL
- 12:39 p.m. - 12:44 p.m. 81. Surgical Infection Incidence Associated with Summer Months in Foot and Ankle Surgery
Samuel R. Huntley, B.S. Littleton, CO
Sung Lee, B.S. Birmingham, AL
Rishi Kalra, B.S. Birmingham, AL
*Joseph X. Robin, B.S. Birmingham, AL
Gerald McGwin, Ph.D., M.S. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
- 12:45 p.m. - 12:50 p.m. 82. Outcomes of Inpatient vs. Outpatient Elective Foot and Ankle Surgery
*Haley McKissack, B.S. Birmingham, AL
Samuel R. Huntley, B.S. Littleton, CO
Andrew McGee, B.S. Birmingham, AL
Luke Johnson, B.S. Birmingham, AL
Hank Debell, B.S. Birmingham, AL
Gerald McGwin, Ph.D., M.S. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL
Chason Farnell, B.S. Birmingham, AL
Tyler Montgomery, B.S. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
- 12:50 p.m. - 1:00 p.m. Floor Discussion

FRIDAY, APRIL 12, 2019
BREAKOUT SESSION #7
Topic: Sports/Shoulder/Elbow
Room: Emerald ABC

Co-Moderator:

Co-Moderator:

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| 11:00 a.m. - 11:05 a.m. | <p>83. Surgical Decompression for Thoracic Outlet Syndrome in Adolescent Patients
 *Erin F. Ransom, M.D. Birmingham, AL
 Heather Minton, B.S. Birmingham, AL
 Bradley L. Young, M.D. Charlotte, NC
 Gerald McGwin, Ph.D., M.S. Birmingham, AL
 Brent A. Ponce, M.D. Birmingham, AL
 Richard D. Meyer, M.D. Birmingham, AL</p> |
| 11:06 a.m. - 11:11 a.m. | <p>84. Failure Mode Differences With Simple vs. Mattress Sutures in Arthroscopic Bankart Repairs: A Cadaveric Study
 *Derrick M. Knapik, M.D. Cleveland, OH
 Shana N. Miskovsky, M.D. Cleveland, OH</p> |
| 11:12 a.m. - 11:17 a.m. | <p>85. Baseline Characteristics and Two-Year Outcomes of Patients with and without Maladaptive Psychopathological Conditions Undergoing Shoulder Stabilization Surgery
 *Kyle R. Duchman, M.D. Iowa City, IA
 Brian R. Wolf, M.D., M.S. Iowa City, IA
 Natalie A. Glass, Ph.D. Iowa City, IA
 Julie Y. Bishop, M.D. Columbus, OH
 Keith M. Baumgarten, M.D. Sioux Falls, SD
 Carolyn M. Hettrich, M.D., M.P.H. Lexington, KY</p> |
| 11:17 a.m. - 11:25 a.m. | <p>Floor Discussion</p> |
| 11:26 a.m. - 11:31 a.m. | <p>86. Greater Muscle Degeneration in Aged Mice After Rotator Cuff Energy
 *Abhinav K. Sharma, B.S. Los Angeles, CA
 Paras Shah, B.S. Los Angeles, CA
 Regina Husman, B.S. Los Angeles, CA
 Gina M. Mosich, M.D. Los Angeles, CA
 Allison Ariniello, B.S. Los Angeles, CA
 Bruno Peault, Ph.D. Edinburgh, UK
 Ayelet Dar, Ph.D. Los Angeles, CA
 Frank A. Petrigliano, M.D. Los Angeles, CA</p> |
| 11:32 a.m. - 11:37 a.m. | <p>87. The Proximal and Distal Effects of Blood Flow Restriction Therapy on Upper and Lower Extremity Strengthening: A Randomized Controlled Trial
 *Eric N. Bowman, M.D. Nashville, TN
 Rami ElShaar, M.D. Los Angeles, CA
 Heather Milligan, B.S. Los Angeles, CA
 Greg Jue, B.S. Los Angeles, CA
 Karen Mohr, B.S. Los Angeles, CA
 Orr Limpisvasti, M.D. Los Angeles, CA</p> |

- 11:38 a.m. - 11:43 a.m. 88. Do Outcomes and Complications Differ When Total Elbow Arthroplasty is Performed Acutely for a Distal Humerus Fracture vs. After Prior Attempted Internal Fixation?
Anthony L. Logli, M.D. Rochester, MN
Steven F. Shannon, M.D. Rochester, MN
*Chelsea C. Boe, M.D. Rochester, MN
Mark E. Morrey, M.D. Rochester, MN
Shawn W. O'Driscoll, M.D., Ph.D. Rochester, MN
Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN
- 11:43 a.m. - 11:51 a.m. Floor Discussion
- 11:52 a.m. – 12:00 p.m. **Spotlight Lecture**
Speaker:
Topic:
- 12:01 p.m. – 12:06 p.m. 89. Impact of Caffeine on Early Rotator Cuff Healing in a Rat Model
Bradley L. Young, M.D. Charlotte, NC
Sierra Phillips, M.D. Birmingham, AL
Martim Pinto, M.D. Birmingham, AL
Harshadkumar A. Patel, M.D. Birmingham, AL
Andrew S. Moon, B.S. Birmingham, AL
Eva Lehtonen, B.S. Birmingham, AL
Evan Shephard, M.D. Birmingham, AL
Trevor Stubbs, M.D. Birmingham, AL
Shawn R. Gilbert, M.D. Birmingham, AL
Amit Momaya, M.D. Birmingham, AL
Eugene W. Brabston, M.D. Birmingham, AL
Gerald McGwin, Ph.D., M.S. Birmingham, AL
Robin Collingwood, M.D. Birmingham, AL
Jun Kit He, B.S. Birmingham, AL
Brent A. Ponce, M.D. Birmingham, AL
- 12:07 p.m. - 12:12 p.m. 90. Preoperative Narcotic Use and Resiliency Scores Do Not Predict Changes in Sleep Quality Following Arthroscopic Rotator Cuff Repair
*Georgina Glogovac, M.D. Cincinnati, OH
Adam P. Schumaier, M.D. Cincinnati, OH
Yehia H. Bedeir, M.D. Cincinnati, OH
Angelo J. Colosimo, M.D. Cincinnati, OH
Brian M. Grawe, M.D. Cincinnati, OH
- 12:13 p.m. - 12:18 p.m. 91. Deltoid Compartment Pressures Do Not Significantly Affect Postoperative Narcotic Utilization Following Arthroscopic Rotator Cuff Repair
Derrick M. Knapik, M.D. Cleveland, OH
Michael J. Salata, M.D. Cleveland, OH
*James E. Voos, M.D. Cleveland, OH
Robert J. Gillespie, M.D. Cleveland, OH
- 12:18 p.m. – 12:26 p.m. Floor Discussion

- 12:27 p.m. – 12:32 p.m. 92. Do Anatomic Changes Found in Pitching Elbow After a Season of Pitching Resolve with Offseason Rest: A Dynamic Ultrasound Study
*Lafi S. Khalil, M.D. Detroit, MI
Kelechi R. Okoroa, M.D. Detroit, MI
Toufic R. Jildeh, M.D. Detroit, MI
Robert N. Matar, M.S. Mt. Pleasant, MI
Mohsin S. Fidai, M.D. Detroit, MI
Joseph S. Tramer, M.D. Detroit, MI
Eric C. Makhni, M.D., M.B.A. Detroit, MI
Vasilios Moutzouros, M.D. Detroit, MI
- 12:33 p.m. - 12:38 p.m. 93. Progressive Elbow MRI Abnormalities in Little League Baseball Players Are Common: A Three-Year Longitudinal Evaluation
*Joshua B. Holt, M.D. Iowa City, IA
Tracy Bastrom, M.S. San Diego, CA
Jerry Dwek, M.D. San Diego, CA
Philip Sterns, R.N. San Diego, CA
Morgan Dennis, B.S. San Diego, CA
Andrew T. Pennock, M.D. San Diego, CA
- 12:39 p.m. - 12:44 p.m. 94. Revision Ulnar Collateral Ligament Reconstruction in Professional Baseball: Current Trends, Surgical Techniques, and Outcomes
Christopher L. Camp, M.D. Rochester, MN
Vishal S. Desai, B.S. Rochester, MN
*Christopher D. Bernard, B.S. Rochester, MN
Stan Conte Santa Clara, CA
Christopher S. Ahmad, M.D. New York, NY
Michael Ciccotti, M.D. Philadelphia, PA
John D'Angelo, B.S. New York, NY
Timothy B. Griffith, M.D. Atlanta, GA
- 12:45 p.m. - 12:50 p.m. 95. Reconstruction of the Medial Ulnar Collateral Ligament of the Elbow: Comparison of a Novel Anatomic Technique to the Docking Technique
*Christopher L. Camp, M.D. Rochester, MN
Bill Benavitz Naples, FL
John Konicek, B.S. Naples, FL
Joshua S. Dines, M.D. New York, NY
- 12:50 p.m. - 1:00 p.m. Floor Discussion

FRIDAY, APRIL 12, 2019
BREAKOUT SESSION #8
Topic: Trauma
Room: Coral B

Co-Moderator:

Co-Moderator:

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| 11:00 a.m. - 11:05 a.m. | 96. | Minimally Invasive Sacroiliac Arthrodesis: 1 and 2-Year Results Highlighting Compression, Grafting, and Stabilization
Scott A. Mitchell, M.D. Rochester, MN
William W. Cross, III, M.D. Rochester, MN |
| 11:06 a.m. - 11:11 a.m. | 97. | Acute Outcomes of Early (within 48 hours) vs. Late Acetabulum Fixation
*Jeeshan Faridi, M.D. Louisville, KY
Robert Drinovac, B.S. Louisville, KY
John E. Whitaker, B.S. Louisville, KY |
| 11:12 a.m. - 11:17 a.m. | 98. | Does Posterior Fixation of Anteroposterior Compression Type-2 Pelvic Ring Injuries Decrease Symphyseal Plate Failure? A Biomechanical Study
*Rachelle M. Metz, M.D. St. Louis, MO
Berton R. Moed, M.D. St. Louis, MO |
| 11:17 a.m. - 11:25 a.m. | | Floor Discussion |
| 11:26 a.m. - 11:31 a.m. | 99. | Sacroiliac Implant Length and Loosening: CT Analysis of Radiographically Loose Components Compared to Controls
Scott A. Mitchell, M.D. Rochester, MN
Allison B. Rixey, M.D. Rochester, MN
William W. Cross, III, M.D. Rochester, MN |
| 11:32 a.m. - 11:37 a.m. | 100. | Management and Outcomes Following Complex Traumatic Transverse Sacral Fractures Involving Spondylopelvic Dissociation: A Systematic Review
*Daniel Li, B.S. Chicago, IL
Aditya Madmuzar, B.S. Chicago, IL
Andrew Bi, B.S. Chicago, IL
Elan Volchenko, B.S. Chicago, IL
Matthew Genet, B.S. Chicago, IL
Cort D. Lawton, M.D. Chicago, IL
Bennet A. Butler, M.D. Chicago, IL |
| 11:38 a.m. - 11:43 a.m. | 101. | Use of an Algorithm Improves Acetabular Fracture Classification in Inexperienced Practitioners
Ryan S. Selley, M.D. Chicago, IL
*Bennet A. Butler, M.D. Chicago, IL
Sohaib Z. Hashmi, M.D. Chicago, IL
Cort D. Lawton, M.D. Chicago, IL
Michael D. Stover, M.D. Chicago, IL |
| 11:43 a.m. - 11:51 a.m. | | Floor Discussion |

11:52 a.m. – 12:00 p.m.

Spotlight Lecture

Speaker:

Topic:

12:01 p.m. – 12:06 p.m.

102. Retrospective Review: Mortality, Cortical Thickness Index, and the Dorr Classification in Geriatric Femoral Neck Fractures
 *James E. Ohliger, III, M.D. Akron, OH
 Eric T. Miller, M.D. Akron, OH
 Kyle A. Petersen, M.D. Akron, OH
 Melissa Maddie Akron, OH
 Andrew Ohliger Akron, OH

12:07 p.m. - 12:12 p.m.

103. Variation of Inpatient Cost of Care in the Treatment of Isolated Geriatric Hip Fractures
 *Kelsey Wise, M.D. St. Paul, MN
 Harsh Parikh, M.P.H., M.T. (ASCP) St. Paul, MN
 Logan McMillan St. Paul, MN
 Sandy Vang St. Paul, MN
 Brad Plowman St. Paul, MN
 Patrick Horst, M.D. Minneapolis, MN
 Brian Cunningham, M.D. St. Paul, MN

12:13 p.m. - 12:18 p.m.

104. Interprosthetic Femur Fractures: An Increasing Burden
 Meagan E. Tibbo, M.D. Rochester, MN
 Afton K. Limberg, B.S. Rochester, MN
 Michael J. Taunton, M.D. Rochester, MN
 *Brandon J. Yuan, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN

12:18 p.m. – 12:26 p.m.

Floor Discussion

12:27 p.m. – 12:32 p.m.

105. Iliac Crest Bone Grafting (ICBG) vs. the Reamer-Irrigator-Aspirator (RIA): Is There a Difference in Blood Loss and Transfusion Rates?
 Michael N. Sirignano, M.S. Cincinnati, OH
 *Anthony Martella, B.S. Cincinnati, OH
 Adam P. Schumaier, M.D. Cincinnati, OH
 Georgina Glogovac, M.D. Cincinnati, OH
 Michael T. Archdeacon, M.D. Cincinnati, OH

12:33 p.m. - 12:38 p.m.

106. Improved Outcomes and Safety for Gustilo Type II or III Open Fractures Using Piperacillin-Tazobactam Compared to Cefazolin with or without Aminoglycoside Antibiotic Regimens
 *Travis L. Frantz, M.D. Columbus, OH
 Joshua S. Everhart, M.D. Columbus, OH
 Alexis Matrka, M.D. Rochester, MN
 Shan Lansing, B.S. Columbus, OH
 Sean McDermott, B.S. Columbus, OH
 Jill Kanney, B.S. Columbus, OH
 Laura Phieffer, M.D. Columbus, OH
 Thuan Ly, M.D. Columbus, OH

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| 12:39 p.m. - 12:44 p.m. | 107. | Does Gastric Bypass Surgery Increase the Risk of Complications for Fracture ORIF?
Brett D. Crist, M.D., FACS
*Conor Smith, B.S. | Columbia, MO
Columbia, MO |
| 12:45 p.m. - 12:50 p.m. | 108. | Outcomes in Hip Fracture Patients with History of Solid Organ Transplant
*Albert V. George, M.D.
Toufic R. Jildeh, M.D.
James Deen, M.S.
William M. Hakeos, M.D.
Joseph J. Hoegler, M.D.
S. Trent Guthrie, M.D. | Detroit, MI
Detroit, MI
Detroit, MI
Detroit, MI
Detroit, MI
Detroit, MI |
| 12:50 p.m. - 1:00 p.m. | | Floor Discussion | |

FRIDAY, APRIL 12, 2019
BREAKOUT SESSION #9
Topic: Total Knee Arthroplasty
Room: Coral A

Co-Moderator:

Co-Moderator:

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| 11:00 a.m. - 11:05 a.m. | 109. | Large Opioid Prescriptions Are Unnecessary After Total Joint Arthroplasty: A Randomized Controlled Trial
*Brian Darrith, M.D. Chicago, IL
Charles P. Hannon, M.D. Chicago, IL
Tyler E. Calkins, B.S. Chicago, IL
Jefferson Li, B.S. Chicago, IL
Chris Culvern, M.S. Chicago, IL
Denis Nam, M.D., MSc Chicago, IL
Tad L. Gerlinger, M.D. Chicago, IL
Craig J. Della Valle, M.D. Chicago, IL |
| 11:06 a.m. - 11:11 a.m. | 110. | Total Joint Arthroplasty Outcomes in Patients with a Previous Failed Toxicology Screen: Giving Patients a Second Chance
George Yakubek, D.O. Cleveland, OH
Mhamad Faour, M.D. Cleveland, OH
Juan Vargas, B.S. Cleveland, OH
Alison K. Klika, M.S. Cleveland, OH
Carlos A. Higuera, M.D. Weston, FL
*Trevor G. Murray, M.D. Cleveland, OH |
| 11:12 a.m. - 11:17 a.m. | 111. | Implementing a Scientifically Valid, Cost-Effective, and Scalable Data Collection System at Point of Care
*Nicolas S. Piuze, M.D. Cleveland, OH
Greg Strnad, M.S. Cleveland, OH
Peter J. Brooks, M.D. Cleveland, OH
Carolyn M. Hettrich, M.D., M.P.H. Lexington, KY
Alison K. Klika, M.S. Cleveland, OH
Joseph P. Iannotti, M.D., Ph.D. Cleveland, OH
Michael Kattan, Ph.D. Cleveland, OH
T. Sean Lynch, M.D. New York, NY
Alexander Milinovich, M.S. Cleveland, OH
Eric T. Ricchetti, M.D. Cleveland, OH
James T. Rosneck, M.D. Cleveland, OH
Viktor E. Krebs, M.D. Cleveland, OH
Robert M. Molloy, M.D. Cleveland, OH
Carlos A. Higuera, M.D. Weston, FL
Kurt P. Spindler, M.D. Cleveland, OH |
| 11:17 a.m. - 11:25 a.m. | | Floor Discussion |

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| 11:26 a.m. - 11:31 a.m. | 112. | <p>Physical Therapy On Postoperative Day 0 Following Total Knee Arthroplasty: A Randomized Controlled Trial of 394 patients
 Daniel D. Bohl, M.D., M.P.H. Chicago, IL
 *Jefferson Li, B.S. Chicago, IL
 Tyler E. Calkins, B.S. Chicago, IL
 Brian Darrith, M.D. Chicago, IL
 Tori A. Edmiston, M.D. Chicago, IL
 Denis Nam, M.D., MSc Chicago, IL
 Tad L. Gerlinger, M.D. Chicago, IL
 Brett R. Levine, M.D., M.S. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL</p> |
| 11:32 a.m. - 11:37 a.m. | 113. | <p>Prospective Evaluation of Neuromuscular Electrical Stimulation for Improving Outcomes Following Total Knee Arthroplasty
 *Alison K. Klika, M.S. Cleveland, OH
 George Yakubek, D.O. Cleveland, OH
 Gary Calabrese, M.D. Cleveland, OH
 Wael K. Barsoum, M.D. Cleveland, OH
 Carlos A. Higuera, M.D. Weston, FL</p> |
| 11:38 a.m. - 11:43 a.m. | 114. | <p>Microporous Polysaccharide Hemosphere Efficacy and Safety in Primary Total Knee Arthroplasty
 *Scott Gleason, D.O. Downers Grove, IL
 William K. Payne, M.D. Downers Grove, IL
 David Mehl, M.D. Downers Grove, IL
 Amy Buros Stein, Ph.D. Downers Grove, IL
 Steve Parry, D.O. Downers Grove, IL</p> |
| 11:43 a.m. - 11:51 a.m. | Floor Discussion | |
| 11:52 a.m. – 12:00 p.m. | <p>Spotlight Lecture
 Speaker:
 Topic:</p> | |
| 12:01 p.m. – 12:06 p.m. | 115. | <p>Total Knee Arthroplasty in Patients with Lymphedema: A Matched Cohort Study
 Joshua M. Kolz, M.D. Rochester, MN
 *William G. Rainer, D.O. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Matthew T. Houdek, M.D. Rochester, MN
 Kevin I. Perry, M.D. Rochester, MN
 David G. Lewallen, M.D. Rochester, MN</p> |
| 12:07 p.m. - 12:12 p.m. | 116. | <p>Free Flap Coverage for Revision Total Knee Arthroplasty
 *Alexander G. Athey, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Karim Bakri, M.D. Rochester, MN
 Kevin I. Perry, M.D. Rochester, MN
 Matthew T. Houdek, M.D. Rochester, MN
 Steven L. Moran, M.D. Rochester, MN</p> |

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| 12:13 p.m. - 12:18 p.m. | <p>117. Obesity and Tibial Coronal Plane Alignment in Primary Total Knee Arthroplasty
 *Jocelyn T. Compton, M.D. Iowa City, IA
 Jessell M. Owens, M.D. Iowa City, IA
 Jesse E. Otero, M.D. Iowa City, IA
 Nicholas O. Noiseux, M.D. Iowa City, IA
 Timothy S. Brown, M.D. Iowa City, IA</p> |
| 12:18 p.m. – 12:26 p.m. | <p>Floor Discussion</p> |
| 12:27 p.m. – 12:32 p.m. | <p>118. Prior Hip or Knee PJI In Another Joint Increases Risk of PJI after Primary TKA by Three Fold: A Matched Control Study
 *Brian P. Chalmers, M.D. Rochester, MN
 John T. Weston, M.D. Rochester, MN
 Douglas R. Osmon, M.D. Rochester, MN
 Arlen D. Hanssen, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN</p> |
| 12:33 p.m. - 12:38 p.m. | <p>119. Revision for Limited Range of Motion Following Primary Total Knee Arthroplasty – Analysis of 106 Cases
 *Brandon R. Bukowski, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Adam Hart, M.D. Rochester, MN
 Megan M. O’Byrne Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN</p> |
| 12:39 p.m. - 12:44 p.m. | <p>120. Emergency Department Visit within One Year Prior to Elective Total Knee Arthroplasty is Predictive of Postoperative Return to Emergency Department within 90 Days
 *Michael D. Gabbard, M.D. Detroit, MI
 Michael A. Charters, M.D. Detroit, MI
 Sean P. Mahoney, B.S. Detroit, MI
 Wayne T. North, M.D. Detroit, MI</p> |
| 12:45 p.m. - 12:50 p.m. | <p>121. Single-Dose Perioperative Antibiotics Do Not Increase the Risk of Periprosthetic Joint Infection in Unicompartmental Knee Arthroplasty
 Cody C. Wyles, M.D. Rochester, MN
 *Samuel W. Carlson, M.D. Rochester, MN
 Juan S. Vargas, B.S. Rochester, MN
 Bayard C. Carlson, M.D. Rochester, MN
 Rafael J. Sierra, M.D. Rochester, MN</p> |
| 12:50 p.m. - 1:00 p.m. | <p>Floor Discussion</p> |

FRIDAY, APRIL 12, 2019
BREAKOUT SESSION #10
Topic: Hip Preservation and Arthroscopy
Room: Coral C

Co-Moderator:

Co-Moderator:

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| 11:00 a.m. - 11:05 a.m. | <p>122. A Prospective Pilot Study in Hip Arthroscopy: How Many Opiates Should We Prescribe for Pain?
 Ryan S. Selley, M.D. Chicago, IL
 *Matthew J. Hartwell, M.D. Chicago, IL
 Bennet A. Butler, M.D. Chicago, IL
 Daniel J. Johnson, M.D. Chicago, IL
 Charles J. Cogan, M.D. Chicago, IL
 Michael A. Terry, M.D. Chicago, IL
 Vehniah K. Tjong, M.D. Chicago, IL</p> |
| 11:06 a.m. - 11:11 a.m. | <p>123. Concurrent Open and Arthroscopic Surgical Management for Hip Dysplasia Does Not Reduce the Rate of Reoperation
 *Joshua S. Bingham, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 David E. Hartigan, M.D. Phoenix, AZ
 Bruce A. Levy, M.D. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Rafael J. Sierra, M.D. Rochester, MN</p> |
| 11:12 a.m. - 11:17 a.m. | <p>124. Arthroscopic Reconstruction of the Irreparable Acetabular Labrum: A Match-Controlled Study
 Sivashankar Chandrasekaran, M.D. Melbourne, Australia
 Nader Darwish, B.S. Detroit, MI
 Brian Mu, B.S. North Chicago, IL
 Danil Rybalko, M.D. Chicago, IL
 Itay Perets, M.D. Westmont, IL
 Edwin O. Chaharbakhshi, B.S. Chicago, IL
 *David R. Maldonado, M.D. Westmont, IL
 Benjamin G. Domb, M.D. Westmont, IL</p> |
| 11:17 a.m. - 11:25 a.m. | <p>Floor Discussion</p> |
| 11:26 a.m. - 11:31 a.m. | <p>125. Hip Arthroscopy Volume in United States Residency Programs: Are New Trainees Prepared?
 *Christopher N. Carender, M.D. Iowa City, IA
 Alan G. Shamrock, M.D. Iowa City, IA
 Kyle R. Duchman, M.D. Iowa City, IA
 Natalie A. Glass, Ph.D. Iowa City, IA
 T. Sean Lynch, M.D. New York, NY
 Robert W. Westermann, M.D. Iowa City, IA</p> |

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| 11:32 a.m. - 11:37 a.m. | <p>126. The Education and Training of Future Hip Arthroscopists: Aggregate Recommendations of High-Volume Surgeons</p> <p>*Matthew J. Steffes, M.D. Chicago, IL
 Austin W. Chen, M.D. Chicago, IL
 Joseph Laseter, B.S. Westmont, IL
 David R. Maldonado, M.D. Westmont, IL
 Victor Ortiz, M.D. Westmont, IL
 Benjamin G. Domb, M.D. Westmont, IL</p> |
| 11:38 a.m. - 11:43 a.m. | <p>127. Validation of a Novel Hip Arthroscopy Simulator</p> <p>*Chris C. Cychosz, M.D. Iowa City, IA
 Michael C. Willey, M.D. Iowa City, IA
 Kyle R. Duchman, M.D. Iowa City, IA
 Matthew D. Karam, M.D. Iowa City, IA
 Robert W. Westermann, M.D. Iowa City, IA</p> |
| 11:43 a.m. - 11:51 a.m. | <p>Floor Discussion</p> |
| 11:52 a.m. – 12:00 p.m. | <p>Spotlight Lecture
 Speaker:
 Topic:</p> |
| 12:01 p.m. – 12:06 p.m. | <p>128. The Rapidly Assessed Predictor of Intraoperatively-Visualized Damage (RAPID) Score: An In-Clinic Predictive Model for High Grade Acetabular Chondrolabral Disruption</p> <p>*Mario Hevesi, M.D. Rochester, MN
 David E. Hartigan, M.D. Phoenix, AZ
 Isabella T. Wu, B.S. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Vishal S. Desai, B.S. Rochester, MN
 Andre J. van Wijnen, Ph.D. Rochester, MN
 Daniel B. F. Saris, M.D. Rochester, MN
 Bruce A. Levy, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN</p> |
| 12:07 p.m. - 12:12 p.m. | <p>129. Prognosis Following Hip Arthroscopy Varies in Professional Athletes Based on Sport</p> <p>*Robert A. Christian, M.D. Chicago, IL
 Ryan J. Lubbe, M.D. Chicago, IL
 Danielle S. Chun, M.D. Chicago, IL
 Ryan S. Selley, M.D. Chicago, IL
 Michael A. Terry, M.D. Chicago, IL
 Wllington K. Hsu, M.D. Chicago, IL</p> |
| 12:13 p.m. - 12:18 p.m. | <p>130. PROMIS Validation in Hip Arthroscopy for FAI</p> <p>*Ryan S. Selley, M.D. Chicago, IL
 Daniel J. Johnson, M.D. Chicago, IL
 Richard W. Nicolay, M.D. Chicago, IL
 Michael A. Terry, M.D. Chicago, IL
 Vehniah K. Tjong, M.D. Chicago, IL</p> |
| 12:18 p.m. – 12:26 p.m. | <p>Floor Discussion</p> |

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| 12:27 p.m. – 12:32 p.m. | 131. | Effect of Cigarette Smoking on Patient Reported Outcomes in Hip Arthroscopy: A Matched-Pair Controlled Study with Minimum Two-Year Follow-Up | |
| | | *Ajay C. Lall, M.D. | Westmont, IL |
| | | Jon E. Hammarstedt, B.S. | Westmont, IL |
| | | Asheesh G. Gupta, M.D., M.P.H. | Woodbridge, VA |
| | | Joseph Laseter, B.S. | Westmont, IL |
| | | Mitchell Mohr, B.S. | Westmont, IL |
| | | Itay Perets, M.D. | Jerusalem, Israel |
| | | Benjamin G. Domb, M.D. | Westmont, IL |
| 12:33 p.m. - 12:38 p.m. | 132. | Does Iliopsoas Lengthening Adversely Affect Clinical Outcomes? A Multi-Center Comparative Study of Hip Arthroscopy with and without Iliopsoas Fractional Lengthening | |
| | | *David R. Maldonado, M.D. | Westmont, IL |
| | | Aaron J. Krych, M.D. | Rochester, MN |
| | | Bruce A. Levy, M.D. | Rochester, MN |
| | | David E. Hartigan, M.D. | Phoenix, AZ |
| | | Joseph R. Laseter, B.S. | Westmont, IL |
| | | Benjamin G. Domb, M.D. | Westmont, IL |
| 12:39 p.m. - 12:44 p.m. | 133. | Use of Continuous Passive Motion Device After Arthroscopic Hip Surgery Decreases Postoperative Pain—A Randomized Controlled Trial | |
| | | *John M. Ryan, M.D. | Columbus, OH |
| | | Maria Munsch, M.D. | Columbus, OH |
| | | Sravya Vajapey, M.D. | Columbus, OH |
| | | John Dewitt, M.D. | Columbus, OH |
| | | Thomas Ellis, M.D. | Columbus, OH |
| | | W. Kelton Vasileff, M.D. | Columbus, OH |
| 12:45 p.m. - 12:50 p.m. | 134. | Effect of the Trendelenburg Position on Perineal Pressure During Hip Arthroscopy: A Prospective Single Institution Study of 50 Consecutive Patients | |
| | | *Ajay C. Lall, M.D. | Westmont, IL |
| | | Muriel R. Battaglia, B.S. | Westmont, IL |
| | | David R. Maldonado, M.D. | Westmont, IL |
| | | Ardavan Sadaat, M.D. | Chicago, IL |
| | | Benjamin G. Domb, M.D. | Westmont, IL |
| 12:50 p.m. - 1:00 p.m. | | Floor Discussion | |

SATURDAY, APRIL 13, 2019

THIRD PLENARY SESSION
Room: Emerald ABC

Moderator:

7:00 a.m. – 7:04 a.m.

Assemble/Announcements

7:05 a.m. – 7:50 a.m.

Symposium III

Topic: How to Transition to Elective Ambulatory Arthroplasty – Words of Experience

Faculty: C. Lowry Barnes, M.D., Moderator
Little Rock, AR

7:51 a.m. – 7:53 a.m.

Presentation of MAOA Poster Award Winners

Presented by: Carlos A. Higuera, M.D.
Cleveland, OH

7:54 a.m. – 7:59 a.m.

OREF Presentation

Presented by:

8:00 a.m. - 8:30 a.m.

Rapp Lecture

Topic: Perspectives on the Evolution of Shoulder Replacement
Speaker: Evan L. Flatow, M.D.
New York, NY

Introduced by:

8:30 a.m. – 9:30 a.m.

Quiz Bowl

Room: Emerald ABC

Moderator:

9:30 a.m. – 10:00 a.m.

CLASSICS IN ORTHOPAEDICS

Topic: Orthopedic Education of the Future
Speaker: J. Lawrence Marsh, M.D.
Iowa City, IA

Introduced by:

10:00 a.m. – 10:05 a.m.

Second Business Meeting

10:00 a.m. – 10:30 a.m.

Coffee Break in Exhibit Area

10:30 a.m. – 1:30 p.m. Five Breakouts to run concurrently

SATURDAY, APRIL 13, 2019

BREAKOUT SESSION #11

Topic: Hip Arthroplasty

Room: Emerald ABC

Co-Moderator for Papers #135-144:

Co-Moderator for Papers #135-144:

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| 10:30 a.m. - 10:35 a.m. | 135. | Payment Variation in Commercial Health Plans
Dave Terry
*Mah-J Soobader, Ph.D. | Watertown, MA
Watertown, MA |
| 10:36 a.m. - 10:41 a.m. | 136. | Primary Total Hip Arthroplasty in Patients Less Than 50 Years of Age at a Mean of 16 Years
*Andrew J. Bryan, M.D.
Tyler E. Calkins, B.S.
Vasili Karas, M.D.
Denis Nam, M.D., MSc
Craig J. Della Valle, M.D. | Chicago, IL
Chicago, IL
Chicago, IL
Chicago, IL
Chicago, IL |
| 10:42 a.m. - 10:47 a.m. | 137. | Charnley Cemented vs. Contemporary Uncemented Total Hip Arthroplasty with Highly Crosslinked Polyethylene Inserts: Have We Improved in 50 Years?
*Meagan E. Tibbo, M.D.
Afton K. Limberg, B.S.
Matthew P. Abdel, M.D.
Daniel J. Berry, M.D. | Rochester, MN
Rochester, MN
Rochester, MN
Rochester, MN |
| 10:47 a.m. - 10:54 a.m. | | Floor Discussion | |
| 10:55 a.m. - 11:00 a.m. | 138. | Instituting a Restrictive Opioid Prescribing Protocol for Primary Total Hip and Knee Arthroplasty: One Institution's Experience
*Andrew J. Holte, B.S.
Christopher N. Carender, M.D.
Nicolas O. Noiseux, M.D.
Jesse E. Otero, M.D.
Timothy S. Brown, M.D. | Iowa City, IA
Iowa City, IA
Iowa City, IA
Iowa City, IA
Iowa City, IA |
| 11:01 a.m. - 11:06 a.m. | 139. | Does it Matter: Total Hip Arthroplasty (THA) or Lumbar Spinal Fusion (LSF) First? Preoperative Sagittal Spinopelvic Measurements Guide Patient-Specific Surgical Strategies in Patients Requiring both THA and LSF
Frank W. Parilla, M.D.
Ritesh R. Shah, M.D.
Alexander C. Gordon, M.D.
Steven Mardjetko, M.D.
Wayne M. Goldstein, M.D.
*Jeffrey M. Goldstein, M.D. | North Chicago, IL
Morton Grove, IL
Morton Grove, IL
Morton Grove, IL
Morton Grove, IL
Morton Grove, IL |

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| 11:07 a.m. - 11:12 a.m. | 140. | Degenerative Lumbar Spine Disease, Not Lumbar Fusion, is a Risk Factor for Instability After Posterior Approach Total Hip Arthroplasty
*Daniel K. Witmer, M.D. Fishers, IN
Evan R. Deckard, B.S. Indianapolis, IN
R. Michael Meneghini, M.D. Fishers, IN |
| 11:13 a.m. - 11:18 a.m. | 141. | Effectiveness of the Quadratus Lumborum Block for Total Hip Arthroplasty
Eva Lehtonen, B.S. Birmingham, AL
Hank Debell, B.S. Birmingham, AL
Promil Kukreja, B.S. Birmingham, AL
Harshadkumar A. Patel, M.D. Birmingham, AL
Haley McKissack, B.S. Birmingham, AL
*Tyler Montgomery, B.S. Birmingham, AL
Lisa Macbeth, M.D. Birmingham, AL
Saisanjana Kalagara, M.D. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL |
| 11:18 a.m. - 11:26 a.m. | Floor Discussion | |
| 11:27 a.m. - 11:32 a.m. | 142. | Osteonecrosis Risk Imparted by PPARG Genetic Variance and Pharmacologic Modulation
Cody C. Wyles, M.D. Rochester, MN
*Christopher R. Paradise, B.S. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
Susan L. Slager, Ph.D. Rochester, MN
Andre J. van Wijnen, Ph.D. Rochester, MN
Andre Terzic, M.D., Ph.D. Rochester, MN
Atta Behfar, M.D., Ph.D. Rochester, MN
Rafael J. Sierra, M.D. Rochester, MN |
| 11:33 a.m. - 11:38 a.m. | 143. | Perfusion of the Femoral Head During Surgical Hip Dislocation Through a Modified Direct Lateral Approach: Real-time Doppler Flowmetry Monitoring
David P. Brigati, M.D. Cleveland, OH
Mohammad J. Halawi, M.D. Farmington, CT
*Peter J. Brooks, M.D. Cleveland, OH |
| 11:39 a.m. – 11:44 a.m. | 144. | Cadaveric Study of Anterior Acetabular Retractors During Anterior Total Hip Arthroplasty in Relation to the Femoral Neurovascular Bundle
*Gean Viner, B.S. Birmingham, AL
Trevor Stubbs, M.D. Birmingham, AL
Nicholas Dahlgren, B.S. Birmingham, AL
Katherine Buddemeyer, B.S. Birmingham, AL
Andrew S. Moon, B.S. Birmingham, AL
Harshadkumar A. Patel, M.D. Birmingham, AL
Matthew Anderson, B.S. Birmingham, AL
Chandan Basetty Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
Sameer M. Naranje, M.D. Birmingham, AL |
| 11:44 a.m. – 11:51 a.m. | Floor Discussion | |

11:52 a.m. – 12:01 p.m.

Spotlight Lecture

Speaker:

Topic:

Co-Moderator for Papers #145-155:

Co-Moderator for Papers #145-155:

12:02 p.m. – 12:07 p.m.

145. A Risk Assessment Model for Unplanned Hospital Readmission Following Total Joint Arthroplasty

*Mhamad Faour, M.D.	Cleveland, OH
Anabelle Visperas, Ph.D.	Cleveland, OH
Kamal Maheshwari, M.D.	Cleveland, OH
Kurt P. Spindler, M.D.	Cleveland, OH
Robert M. Molloy, M.D.	Cleveland, OH
Michael A. Mont, M.D.	New York, NY
Carlos A. Higuera, M.D.	Weston, FL

12:08 p.m. – 12:13 p.m.

146. Emergency Department Visit within One Year Prior to Elective Total Hip Arthroplasty is Predictive of Postoperative Return to Emergency Department within 90 Days

Michael D. Gabbard, M.D.	Detroit, MI
Michael A. Charters, M.D.	Detroit, MI
Sean P. Mahoney, B.S.	Detroit, MI
*Wayne T. North, M.D.	Detroit, MI

12:14 p.m. – 12:19 p.m.

147. Uncemented Total Hip Arthroplasty with a Tapered Femoral Component: A Minimum 30-Year Follow-Up

*Jeffrey R. McLaughlin, M.D.	Oshkosh, WI
Klyla R. Lee, M.D.	Oshkosh, WI
Mary Ann Johnson	Oshkosh, WI

12:20 p.m. – 12:25 p.m.

148. Mepivacaine Spinal Anesthesia for Total Hip Arthroplasty Facilitates Shorter Length of Stay and Fewer Urinary Complications Compared to

*Michael Chad Mahan, M.D.	Detroit, MI
Jonathan H. Shaw, M.D.	Detroit, MI
Justin T. Jabara, B.S.	Detroit, MI
Toufic R. Jildeh, M.D.	Detroit, MI
Omar M. Kadri, M.D.	Detroit, MI
Jason J. Davis, M.D.	Detroit, MI

12:25 p.m. - 12:33 p.m.

Floor Discussion

12:34 p.m. – 12:39 p.m.

149. Cobalt Ion Release in Metal-on-Polyethylene Total Hip Arthroplasty: A Simulator Study with Cellular and Microbiological Correlations

Cody C. Wyles, M.D.	Rochester, MN
Christopher R. Paradise, B.S.	Rochester, MN
Thao Masters, Ph.D.	Rochester, MN
Robin Patel, M.D.	Rochester, MN
Andre J. van Wijnen, Ph.D.	Rochester, MN
Matthew P. Abdel, M.D.	Rochester, MN
Robert T. Trousdale, M.D.	Rochester, MN
*Rafael J. Sierra, M.D.	Rochester, MN

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| 12:40 p.m. – 12:45 p.m. | <p>150. In Vivo Corrosion of Sleeved Ceramic Femoral Head Implants: A Retrieval Study
 Cody C. Wyles, M.D. Rochester, MN
 Joshua M. Kolz, M.D. Rochester, MN
 Douglas W. Van Citters, Ph.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 *Robert T. Trousdale, M.D. Rochester, MN</p> |
| 12:46 p.m. – 12:51 p.m. | <p>151. Femoral Head Penetration Rates of Second Generation Sequentially Annealed Highly Cross-Linked Polyethylene at Minimum Five Years
 *Evan R. Deckard, B.S. Indianapolis, IN
 R. Michael Meneghini, M.D. Fishers, IN</p> |
| 12:51 p.m. – 12:58 p.m. | <p>Floor Discussion</p> |
| 12:59 p.m. – 1:04 p.m. | <p>152. Inpatient vs. Outpatient Hip and Knee Arthroplasty: Which Has Higher Patient Satisfaction?
 *Mick P. Kelly, M.D. Chicago, IL
 Tyler E. Calkins, B.S. Chicago, IL
 Chris Culvern, M.S. Chicago, IL
 Monica Kogan, M.D. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL</p> |
| 1:05 p.m. – 1:10 p.m. | <p>153. Is There Benefit in Keeping Early Discharge Patients Overnight After Total Joint Arthroplasty?
 *Kent R. Kraus, B.S. Indianapolis, IN
 Peter M. Caccavallo, M.D. Indianapolis, IN
 Mary Ziemba-Davis, B.S. Indianapolis, IN
 R. Michael Meneghini, M.D. Fishers, IN</p> |
| 1:11 p.m. – 1:16 p.m. | <p>154. Identifiable Risk Factors to Minimize Postoperative Urinary Retention in Modern Outpatient Rapid Recovery Total Joint Arthroplasty
 Kent R. Kraus, B.S. Indianapolis, IN
 Nathan Duncan, M.S. Indianapolis, IN
 Nimra Nayyar, M.P.H., M.T. (ASCP) Indianapolis, IN
 Mary Ziemba-Davis, B.S. Indianapolis, IN
 Mark Nielson, M.D. Indianapolis, IN
 *R. Michael Meneghini, M.D. Fishers, IN</p> |
| 1:17 p.m. – 1:22 p.m. | <p>155. Use of a Mandatory Clinical Decision Unit Reduces Readmission Rates Following Total Joint Arthroplasty
 *Arthur Manoli, III, M.D. Southfield, MI
 Jacob Markel, B.S. Detroit, MI
 Natalie Pizzimenti, M.S. Novi, MI
 David C. Markel, M.D. Novi, MI</p> |
| 1:22 p.m. – 1:30 p.m. | <p>Floor Discussion</p> |

SATURDAY, APRIL 13, 2019
BREAKOUT SESSION #12
Topic: Pediatrics/Spine
Room: Coral D

Co-Moderator for Papers #156-165:

Co-Moderator for Papers #156-165:

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| 10:30 a.m. - 10:35 a.m. | 156. | Femoral Nerve Block vs. Adductor Canal Block for Anterior Cruciate Ligament Reconstruction in Pediatric and Adolescent Patients
*Orlando D. Sabbag, M.D. Rochester, MN
Heath P. Melugin, M.D. Rochester, MN
Brian T. Samuelson, M.D. Rochester, MN
Nancy H. Cummings, M.D. Rochester, MN
Diane L. Dahm, M.D. Rochester, MN
Bruce A. Levy, M.D. Rochester, MN
Michael J. Stuart, M.D. Rochester, MN
Aaron J. Krych, M.D. Rochester, MN
Todd A. Milbrandt, M.D. Rochester, MN |
| 10:36 a.m. - 10:41 a.m. | 157. | Use of Tranexamic Acid for Hip Reconstruction Surgery in Children with Cerebral Palsy: A Pilot Study
*Maksim Shlykov, M.D. St. Louis, MO
Arya Minaie, B.S. St. Louis, MO
Jaclyn Schipper St. Louis, MO
Pooya Hosseinzadeh, M.D. St. Louis, MO |
| 10:42 a.m. - 10:47 a.m. | 158. | Has the Introduction of the Ponseti Method Influenced the Type of Clubfoot Procedures Performed in the United States?
*Brandon G. Wilkinson, M.D. Iowa City, IA
Natalie A. Glass, Ph.D. Iowa City, IA
Thomas Cook, Ph.D. Iowa City, IA
Jose A. Morcuende, M.D. Iowa City, IA |
| 10:47 a.m. - 10:54 a.m. | | Floor Discussion |
| 10:55 a.m. - 11:00 a.m. | 159. | Pediatric Septic Arthritis of the Knee: Can Predictors of Septic Hip Be Applied?
*Mitchel R. Obey, M.D. St. Louis, MO
Arya Minaie, B.S. St. Louis, MO
Jaclyn Schipper St. Louis, MO
Pooya Hosseinzadeh, M.D. St. Louis, MO |
| 11:01 a.m. - 11:06 a.m. | 160. | Predictors of Total Hip Arthroplasty Following Surgical Treatment of Pediatric Developmental Hip Dysplasia
Ernest Y. Young, M.D. Rochester, MN
*Paul L. Sousa, M.D. Rochester, MN
Todd A. Milbrandt, M.D. Rochester, MN
William J. Shaughnessy, M.D. Rochester, MN
Anthony A. Stans, M.D. Rochester, MN
A. Noelle Larson, M.D. Rochester, MN |

- 11:07 a.m. - 11:12 a.m. 161. Biomechanical Comparison of Partially-Threaded and Fully-Threaded Cannulated Screws in Pediatric Hip Fractures
*Jonathan D. Hughes, M.D. Temple, TX
Jessica L. Hughes, M.D. Temple, TX
Christopher D. Souder, M.D. Temple, TX
- 11:13 a.m. - 11:18 a.m. 162. Load to Failure of Fully-Threaded vs. Partially-Threaded Cannulated Screws in SCFE
Jonathan D. Hughes, M.D. Temple, TX
*Jessica L. Hughes, M.D. Temple, TX
Christopher D. Souder, M.D. Temple, TX
- 11:18 a.m. - 11:26 a.m. Floor Discussion
- 11:27 a.m. - 11:32 a.m. 163. Novel Enhanced Recovery After Surgery Pathway Significantly Reduces Length of Stay in Adolescent Idiopathic Scoliosis Patients Undergoing Posterior Spinal Fusion
Kristen Spisak, M.D. Dayton, OH
Alvin C. Jones, M.D. Dayton, OH
Zachary J. Sirois, B.S. Dayton, OH
*Matthew D. Thomas, B.S. Dayton, OH
Andrew W. Froehle, Ph.D. Dayton, OH
Lucinda Brown, R.N. Dayton, OH
Alex Clark Dayton, OH
Michael C. Albert, M.D. Dayton, OH
- 11:33 a.m. - 11:38 a.m. 164. Effect of Crosslinks on Lengthening Magnetic Spinal Growing Rods: A Retrospective Review
*Radomir Dimovski, M.D. Detroit, MI
Scott A. McCarty, M.D. Detroit, MI
Walid K. Yassir, M.D. Detroit, MI
- 11:39 a.m. - 11:44 a.m. 165. The Safety and Efficacy of Liposomal Bupivacaine (EXPAREL) for Incisional Pain Relief Following Pediatric Spine Surgery
Brittany Hudson, M.S. Cleveland, OH
Morad Chughtai, M.D. Cleveland, OH
Anton Khoplas, M.D. Cleveland, OH
Nipun Sodhi, M.D. Cleveland, OH
James Bena, M.S. Cleveland, OH
*Ryan C. Goodwin, M.D. Cleveland, OH
David P. Gurd, M.D. Cleveland, OH
Thomas E. Kuivila, M.D. Cleveland, OH
Robert T. Ballock, M.D. Cleveland, OH
- 11:44 a.m. - 11:51 a.m. Floor Discussion
- 11:52 a.m. - 12:01 p.m. **Spotlight Lecture**
Speaker:
Topic:

Co-Moderator for Papers #166-176:

Co-Moderator for Papers #166-176:

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| 12:02 p.m. – 12:07 p.m. | 166. | <p>Effects of Human Recombinant Parathyroid Hormone (PTH) Treatment on the Osteoporotic Spine: A Rabbit Model of Spinal Fusion</p> <p>Hugo Giambini, Ph.D. Rochester, MN</p> <p>*Nathan R. Wanderman, M.D. Rochester, MN</p> <p>Cindy Mallet, M.D. Rochester, MN</p> <p>Nirong Bao, M.D. Rochester, MN</p> <p>Bradford L. Currier, M.D. Rochester, MN</p> <p>Kai-Nan An, Ph.D. Rochester, MN</p> <p>Chunfeng Zhao, M.D. Rochester, MN</p> <p>Ahmad N. Nassr, M.D. Rochester, MN</p> |
| 12:08 p.m. – 12:13 p.m. | 167. | <p>Intravenous and Oral Tranexamic Acid Are Equivalent at Reducing Blood Loss in Thoracolumbar Spinal Fusion: A Prospective Randomized Trial</p> <p>*Charles C. Yu, M.D. Detroit, MI</p> <p>Omar M. Kadri, M.D. Detroit, MI</p> <p>Allen A. Kadado, M.D. Detroit, MI</p> <p>Jacob Pawloski, B.S. Detroit, MI</p> <p>Morenikeji A. Buraimoh, M.D. Detroit, MI</p> <p>Stephen Bartol, M.D. Detroit, MI</p> <p>Gregory P. Graziano, M.D. Detroit, MI</p> |
| 12:14 p.m. – 12:19 p.m. | 168. | <p>Intraoperative Patient Positioning Does Not Change Lumbar Plexus Location: MRI Neurography of the Lumbar Plexus in Flexion and Extension</p> <p>*Gavin L. Mills, M.D. Fort Sam Houston, TX</p> <p>Francis Cloran, M.D. Fort Sam Houston, TX</p> <p>Colin G. Crosby, M.D. Nashville, TN</p> <p>Richard Hurley, M.D. Fort Sam Houston, TX</p> |
| 12:20 p.m. – 12:25 p.m. | 169. | <p>Does Prophylactic Administration of TXA Reduce Mean Operative Time and Postoperative Blood Loss in Posterior Approach Lumbar Spinal Fusion Surgery Performed for Degenerative Spinal Disease?</p> <p>*Evan P. Larson, M.D. Omaha, NE</p> <p>Emmett J. Gannon, M.D. Omaha, NE</p> <p>Tyler D. Evans, M.D. Omaha, NE</p> <p>Jake S. Long, M.D. Omaha, NE</p> <p>Elizabeth R. Lyden, M.S. Omaha, NE</p> <p>Chris A. Cornett, M.D. Omaha, NE</p> |
| 12:25 p.m. - 12:33 p.m. | Floor Discussion | |
| 12:34 p.m. – 12:39 p.m. | 170. | <p>An Empiric Analysis of Five Counter-Measures Against Surgical Site Infections Following Spine Surgery</p> <p>Marko N. Tomov, M.D. Rochester, MN</p> <p>Elie F. Berbari, M.D. Rochester, MN</p> <p>Bradford L. Currier, M.D. Rochester, MN</p> <p>Michael J. Yaszemski, M.D., Ph.D. Rochester, MN</p> <p>Ahmad N. Nassr, M.D. Rochester, MN</p> <p>Paul M. Huddleston, III, M.D. Rochester, MN</p> <p>Mohamad Bydon, M.D. Rochester, MN</p> <p>Brett A. Freedman, M.D. Rochester, MN</p> |

- 12:40 p.m. – 12:45 p.m. 171. Continued Inpatient Care After Elective 1-to-2 Level Posterior Lumbar Fusions Increases 30-Day Post-Discharge Readmissions and Complications
*Azeem T. Malik, M.D. Columbus, OH
Nikhil Jain, M.D. Columbus, OH
Jeffery Kim, M.D. Columbus, OH
Elizabeth M. Yu, M.D. Columbus, OH
Safdar N. Khan, M.D. Columbus, OH
- 12:46 p.m. – 12:51 p.m. 172. Can the American College of Surgeons Risk Calculator Predict 30-Day Complications After Lumbar Spine Surgery?
*Michael H. McCarthy, M.D., M.P.H. Chicago, IL
Tyler J. Jenkins, M.D. Chicago, IL
Partik Singh, B.S. Chicago, IL
Wellington K. Hsu, M.D. Chicago, IL
Alpesh A. Patel, M.D. Chicago, IL
- 12:51 p.m. – 12:58 p.m. Floor Discussion
- 12:59 p.m. – 1:04 p.m. 173. High Incidence of Intraoperative Hypothermia in Spinal Fusion Surgery Does Not Lead to Increased Complications
Charles C. Yu, M.D. Detroit, MI
Albert V. George, M.D. Detroit, MI
*Dominique Bultsma, B.S. Detroit, MI
Joseph Friedli, B.S. Detroit, MI
Jonathan Shaw, B.S. Detroit, MI
Morenikeji A. Buraimoh, M.D. Detroit, MI
Stephen Bartol, M.D. Detroit, MI
Gregory P. Graziano, M.D. Detroit, MI
- 1:05 p.m. – 1:10 p.m. 174. Defining Sarcopenia Using Spinal Muscle Morphometric Measurements to Identify Risk of Post-Surgical Complications in Spine Surgery
Marko N. Tomov, M.D. Rochester, MN
*Elvis L. Francois, M.D. Rochester, MN
Michael J. Yaszemski, M.D., Ph.D. Rochester, MN
Ahmad N. Nassr, M.D. Rochester, MN
Bradford L. Currier, M.D. Rochester, MN
Paul M. Huddleston, III, M.D. Rochester, MN
Mohamad Bydon, M.D. Rochester, MN
Brett A. Freedman, M.D. Rochester, MN
- 1:11 p.m. – 1:16 p.m. 175. Pelvic Incidence in Cadaveric Spines with an Abnormal Number of Lumbar Vertebrae
*Matthew V. Abola, B.S. Cleveland, OH
Jason R. Teplensky, B.S. Cleveland, OH
Daniel R. Cooperman, M.D. New Haven, CT
Jennifer M. Bauer, M.D. Seattle, WA
Raymond W. Liu, M.D. Cleveland, OH
- 1:17 p.m. – 1:22 p.m. 176. The Effect of Preoperative Education in Elective Spine Surgery
*Matthew N. Jaykel, M.D. Kalamazoo, MI
Masako Winchester, B.S. Kalamazoo, MI
Joseph K. Weistroffer, M.D. Kalamazoo, MI
Joshua Ellwitz, M.D. Kalamazoo, MI
- 1:22 p.m. – 1:30 p.m. Floor Discussion

SATURDAY, APRIL 13, 2019
BREAKOUT SESSION #13
Topic: Knee Arthroplasty
Room: Coral C

Co-Moderator for Papers #177-186:

Co-Moderator for Papers #177-186:

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| 10:30 a.m. - 10:35 a.m. | 177. | What is the Price and Claimed Efficacy of Platelet-Rich Plasma Injections for the Treatment of Knee Osteoarthritis in the United States?
Nicolas S. Piuizzi, M.D. Cleveland, OH
*Mitchell Ng Cleveland, OH
Ariel Kantor Cleveland, OH
Kenneth Ng Cleveland, OH
Stephanie Kha Cleveland, OH
Michael A. Mont, M.D. New York, NY
George F. Muschler, M.D. Cleveland, OH |
| 10:36 a.m. - 10:41 a.m. | 178. | The Utility and Cost of Magnetic Resonance Imaging of the Knee in Elderly Patients: A Retrospective Cohort Study
*Ryan Fairchild, M.D. Dallas, TX
Marcel R. Wiley, M.D. Dallas, TX
Brian W. Sager, M.D. Dallas, TX
Stephen T. Gates, M.D. Dallas, TX
Zachary Shirley, M.D. Dallas, TX
Kenneth A. Estrera, M.D. Dallas, TX
Brigham K. Au, M.D. Dallas, TX |
| 10:42 a.m. - 10:47 a.m. | 179. | Are Adult Reconstructive Surgeons Being Adequately Compensated for Single-Component vs. Double-Component Revisions? - An Analysis of Relative Value Units (RVUs)
Azeem T. Malik, M.D. Columbus, OH
Thomas J. Scharschmidt, M.D. Columbus, OH
*Mengnai Li, M.D., Ph.D. Columbus, OH
Nikhil Jain, M.D. Columbus, OH
Safdar N. Khan, M.D. Columbus, OH |
| 10:47 a.m. - 10:54 a.m. | | Floor Discussion |
| 10:55 a.m. - 11:00 a.m. | 180. | Anxiety and Depression Predict Chronic Postoperative Opioid Use in Total Joint Arthroplasty: A Systematic Review
*Christopher P. Lindsay, M.D. Iowa City, IA
Andrew J. Holte, B.S. Iowa City, IA
Nicolas O. Noiseux, M.D. Iowa City, IA
Jesse E. Otero, M.D. Iowa City, IA
Timothy S. Brown, M.D. Iowa City, IA |
| 11:01 a.m. - 11:06 a.m. | 181. | Patient Dissatisfaction After Total Knee Arthroplasty- Is Opioid Medication Use a Cause or Effect?
Mark K. Lane, M.D. Columbia, OH
Ben Hansen, M.D. Columbia, OH
Ajay Aggarwal, M.D. Columbia, OH
James A. Keeney, M.D. Columbia, OH |

- 11:07 a.m. - 11:12 a.m. 182. Risk Factors for Opioid Misuse or Abuse Following Total Hip or Knee Arthroplasty
*Trenden L. Flanigan, M.D. Dayton, OH
Jonathan A. Rogozinski, M.D. Dayton, OH
Anil B. Krishnamurthy, M.D. Dayton, OH
Justin P. Fox, M.D. Dayton, OH
- 11:13 a.m. - 11:18 a.m. 183. Unicompartmental Knee Arthroplasty Utilization in the Medicare Population
*Brandon L. Morris, M.D. Kansas City, KS
Daniel Reinhardt, M.D. Kansas City, KS
Maaz S. Hassan, B.S. Kansas City, KS
Armon Tarakemen, B.S. Kansas City, KS
J. Paul Schroepfel, M.D. Kansas City, KS
Scott Mullen, M.D. Kansas City, KS
Bryan G. Vopat, M.D. Kansas City, KS
- 11:18 a.m. - 11:26 a.m. Floor Discussion
- 11:27 a.m. - 11:32 a.m. 184. Surgical Outcomes of Patients on Acetylsalicylic Acid Therapy Undergoing Total Joint Arthroplasty
*Jonathan H. Shaw, M.D. Detroit, MI
Omar M. Kadri, M.D. Detroit, MI
Michael Chad Mahan, M.D. Detroit, MI
Clifford M. Les, Ph.D. Detroit, MI
Michael A. Charters, M.D. Detroit, MI
- 11:33 a.m. - 11:38 a.m. 185. Improved Outcomes Following a Novel Nerve Block Combination for Total Knee Arthroplasty
*Christian J. Eccles, M.D. Louisville, KY
Andrew M. Swiergosz, M.D. Louisville, KY
Austin F. Smith, M.D. Louisville, KY
Samrath Bhimani, M.D. Louisville, KY
Langan Smith, B.S. Louisville, KY
Arthur L. Malkani, M.D. Louisville, KY
- 11:39 a.m. – 11:44 a.m. 186. Effect of Antibiotic-Impregnated Bone Cement on Postoperative Infections in Primary Total Knee Arthroplasty
*Hiba Anis, M.D. Cleveland, OH
Mhamad Faour, M.D. Cleveland, OH
Alison K. Klika, M.S. Cleveland, OH
Carlos A. Higuera, M.D. Weston, FL
Robert M. Molloy, M.D. Cleveland, OH
- 11:44 a.m. – 11:51 a.m. Floor Discussion
- 11:52 a.m. – 12:01 p.m. **Spotlight Lecture**
Speaker:
Topic:

Co-Moderator for Papers #187-197:

Co-Moderator for Papers #187-197:

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| 12:02 p.m. – 12:07 p.m. | 187. | <p>Total Knee Arthroplasty in Patients Less Than 50 Years of Age: Results at a Mean of 13 Years</p> <p>*Vasili Karas, M.D. Chicago, IL</p> <p>Tyler E. Calkins, B.S. Chicago, IL</p> <p>Andrew J. Bryan, M.D. Chicago, IL</p> <p>Chris Culvern, M.S. Chicago, IL</p> <p>Richard A. Berger, M.D. Chicago, IL</p> <p>Aaron G. Rosenberg, M.D. Chicago, IL</p> <p>Craig J. Della Valle, M.D. Chicago, IL</p> |
| 12:08 p.m. – 12:13 p.m. | 188. | <p>Total Knee Arthroplasty After High Tibial Osteotomy Resulted in Excellent Long-Term Survivorship and Clinical Outcomes</p> <p>Brian P. Chalmers, M.D. Rochester, MN</p> <p>*Afton K. Limberg, B.S. Rochester, MN</p> <p>Meagan E. Tibbo, M.D. Rochester, MN</p> <p>Kevin I. Perry, M.D. Rochester, MN</p> <p>Mark W. Pagnano, M.D. Rochester, MN</p> <p>Matthew P. Abdel, M.D. Rochester, MN</p> |
| 12:14 p.m. – 12:19 p.m. | 189. | <p>Radiographic Comparison of Cementless Total Knee Arthroplasty in the Elderly (>70) vs. Adult (<70) Population</p> <p>*Andrew Nelson, M.D. Detroit, MI</p> <p>Justin T. Jabara, B.S. Detroit, MI</p> <p>Michael Chad Mahan, M.D. Detroit, MI</p> <p>Craig D. Silverton, D.O. Detroit, MI</p> |
| 12:20 p.m. – 12:25 p.m. | 190. | <p>Prospective Validation of a Demographically-Based Primary Total Knee Arthroplasty Size Calculator</p> <p>Robert A. Sershon, M.D. Chicago, IL</p> <p>Jefferson Li, B.S. Chicago, IL</p> <p>Tyler E. Calkins, B.S. Chicago, IL</p> <p>P. Maxwell Courtney, M.D. Philadelphia, PA</p> <p>Denis Nam, M.D., MSc Chicago, IL</p> <p>Tad L. Gerlinger, M.D. Chicago, IL</p> <p>*Brett R. Levine, M.D., M.S. Chicago, IL</p> |
| 12:25 p.m. - 12:33 p.m. | Floor Discussion | |
| 12:34 p.m. – 12:39 p.m. | 191. | <p>An Experienced Surgeon Can Meet or Exceed Robotic Accuracy in Manual Unicompartmental Knee Arthroplasty</p> <p>*Ashleigh N. Bush, B.S. Indianapolis, IN</p> <p>Mary Ziemba-Davis, B.S. Indianapolis, IN</p> <p>Evan R. Deckard, B.S. Indianapolis, IN</p> <p>R. Michael Meneghini, M.D. Fishers, IN</p> |
| 12:40 p.m. – 12:45 p.m. | 192. | <p>Patient Satisfaction Following Total Knee Arthroplasty Using Technologic Innovation to Achieve Balanced Gaps</p> <p>Christian J. Eccles, M.D. Louisville, KY</p> <p>Austin F. Smith, M.D. Louisville, KY</p> <p>Samrath Bhimani, M.D. Louisville, KY</p> <p>Rohat Bhimani, B.S. Louisville, KY</p> <p>*Kevin Denehy, M.D. Lexington, KY</p> <p>Langan Smith, B.S. Louisville, KY</p> <p>Arthur L. Malkani, M.D. Louisville, KY</p> |

- 12:46 p.m. – 12:51 p.m. 193. Feasibility of Using A Surface Sensor to Measure Activity Specific Outcomes After Total Knee Replacement
*Ryan E. Harold, M.D. Chicago, IL
Daniel A. Hu, M.S. Chicago, IL
Bonnie L. Woeltjen, P.A. Chicago, IL
Victoria A. Brander, M.D. Chicago, IL
S. David Stulberg, M.D. Chicago, IL
- 12:51 p.m. – 12:58 p.m. Floor Discussion
- 12:59 p.m. – 1:04 p.m. 194. Incisional Negative Pressure Wound Therapy Devices Improve Short-Term Wound Complications, but not Long-Term Infection Rate Following Hip and Knee Arthroplasty
James A. Keeney, M.D. Columbia, MO
Ajay Aggarwal, M.D. Columbia, MO
Stacee Clawson, R.N. Columbia, MO
James L. Cook, M.D. Columbia, MO
James P. Stannard, M.D. Columbia, MO
- 1:05 p.m. – 1:10 p.m. 195. Reduced Infection Rate After Contemporary Revision Total Knee Arthroplasty with Extended Antibiotic Protocol
*Matthieu Zingg, M.D. Indianapolis, IN
Mary Ziemba-Davis, B.S. Indianapolis, IN
R. Michael Meneghini, M.D. Fishers, IN
- 1:11 p.m. – 1:16 p.m. 196. Predictors of Infection-Free Survival After Irrigation and Debridement of Revision Total Knee Arthroplasty
*Nicholas Bene, M.D. Boston, MA
Xing Li, B.S. Hanover, NH
Sumon Nandi, M.D. Toledo, OH
- 1:17 p.m. – 1:22 p.m. 197. Impact of Antibiotic-Loaded Bone Cement on Antibiotic Resistance in Prosthetic Knee Infections
*Daniel R. Schmitt, M.D. Maywood, IL
Cameron J. Killen, M.D. Maywood, IL
Michael Murphy, B.S. Maywood, IL
Michael W. Perry, M.D. Maywood, IL
Joseph Romano, M.D. Maywood, IL
Nicholas Brown, M.D. Maywood, IL
- 1:22 p.m. – 1:30 p.m. Floor Discussion

SATURDAY, APRIL 13, 2019
BREAKOUT SESSION #14
Topic: Shoulder Arthroplasty
Room: Coral B

Co-Moderator for Papers #198-207:

Co-Moderator for Papers #198-207:

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| 10:30 a.m. - 10:35 a.m. | <p>198. Opioid-Free Reverse Shoulder Arthroplasty: Optimizing Multimodal Pain Management
 Vani J. Sabesan, M.D. Weston, FL
 Kiran Chatha, M.D. Weston, FL
 Danielle Malone, M.P.H., M.T. (ASCP) Weston, FL
 *Sandra Koen, M.P.H., M.T. (ASCP) Weston, FL
 Gregory Gilot, M.D. Weston, FL</p> |
| 10:36 a.m. - 10:41 a.m. | <p>199. Scapular Notching as a Function of Glenoid Component Position: A Detailed Radiographic Analysis at Mid-Term Follow-Up
 *Nicholas C. Duethman, M.D. Rochester, MN
 William R. Aibinder, M.D. Rochester, MN
 John W. Sperling, M.D. Rochester, MN
 Robert H. Cofield, M.D. Rochester, MN
 Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN</p> |
| 10:42 a.m. - 10:47 a.m. | <p>200. Shoulder Arthroplasty for Proximal Humeral Fracture is Not a Typical DRG-483 – Implications for a Bundled Payment Model
 *Corey T. Beals, M.D. Columbus, OH
 Azeem T. Malik, M.D. Columbus, OH
 Nikhil Jain, M.D. Columbus, OH
 Julie Y. Bishop, M.D. Columbus, OH
 Safdar N. Khan, M.D. Columbus, OH</p> |
| 10:47 a.m. - 10:54 a.m. | <p>Floor Discussion</p> |
| 10:55 a.m. - 11:00 a.m. | <p>201. Minimum 10-Year Thin Cut CT Follow-Up of Total Shoulders with a Partially Cemented All-Polyethylene Glenoid
 *Trevon McGill, B.S. Omaha, NE
 Noah Porter, M.D. Omaha, NE
 Melissa Manzer, M.D. Omaha, NE
 Elizabeth R. Lyden, M.S. Omaha, NE
 Matthew J. Teusink, M.D. Omaha, NE
 Edward V. Fehring, M.D. Columbus, OH</p> |
| 11:01 a.m. - 11:06 a.m. | <p>202. Results of Total Shoulder Arthroplasty in Patients Under vs. Over 55 Years of Age: An Analysis of 1,135 Patients with Over 2 Years of Follow-Up
 *Ravi B. Patel, M.D. Detroit, MI
 Stephanie J. Muh, M.D. Detroit, MI
 Kelechi R. Okoroha, M.D. Detroit, MI
 Thomas W. Wright, M.D. Gainesville, FL
 Pierre-Henri Flurin, M.D. Merignac, France
 Christopher Roche, M.S. Gainesville, FL
 Joseph D. Zuckerman, M.D. New York, NY</p> |

- 11:07 a.m. - 11:12 a.m. 203. Evaluation of Gender Differences in Glenoid Remodeling in Patients with Primary Shoulder Osteoarthritis
*Kent Rinehart, M.D. Omaha, NE
Christopher Peters, M.D. Omaha, NE
Anna Zajicek, M.D. Omaha, NE
Matthew J. Teusink, M.D. Omaha, NE
- 11:13 a.m. - 11:18 a.m. 204. Mid-Term Radiographic Results of a Cementless Micro Humeral Component in Anatomic and Reverse Shoulder Arthroplasty
*Douglas W. Bartels, M.D. Rochester, MN
William R. Aibinder, M.D. Rochester, MN
John W. Sperling, M.D. Rochester, MN
Joaquin Sanchez-Sotelo, M.D. Rochester, MN
- 11:18 a.m. - 11:26 a.m. Floor Discussion
- 11:27 a.m. - 11:32 a.m. 205. Opioid-Free Shoulder Arthroplasty: A Reality with Multimodal Pain Management
*Kiran Chatha, M.D. Weston, FL
Sandra Koen, M.P.H., M.T. (ASCP) Weston, FL
Danielle Malone, M.P.H., M.T. (ASCP) Weston, FL
Gregory Gilot, M.D. Weston, FL
Vani J. Sabesan, M.D. Weston, FL
- 11:33 a.m. - 11:38 a.m. 206. Does the Use of a Peri-Articular Anesthetic Cocktail Provide Adequate Pain Control Following Shoulder Arthroplasty?
*Elizabeth A. Klag, M.D. Detroit, MI
Gabriel Sheena, B.S. Mt. Pleasant, MI
Kelechi R. Okoroha, M.D. Detroit, MI
Stephanie J. Muh, M.D. Detroit, MI
- 11:39 a.m. – 11:44 a.m. 207. Risk Assessment of Opioid Dependency in Revision Cases of Reverse Shoulder Arthroplasty
*Vani J. Sabesan, M.D. Weston, FL
Ahmed Al-Mansoori, M.D. Weston, FL
Arjun Meiyappan, M.D. Weston, FL
Matthew Stankard, B.S. Boca Raton, FL
Jordan Grauer, B.S. Boca Raton, FL
Tyler Montgomery, B.S. Boca Raton, FL
Gregory Gilot, M.D. Weston, FL
- 11:44 a.m. – 11:51 a.m. Floor Discussion
- 11:52 a.m. – 12:01 p.m. **Spotlight Lecture**
Speaker:
Topic:

Co-Moderator for Papers #208-218:

Co-Moderator for Papers #208-218:

- 12:02 p.m. – 12:07 p.m. 208. Ultrasound and Clinical Assessment After Subscapularis Sparing Anatomic Total Shoulder Arthroplasty
*Samuel R. Huntley, B.S. Littleton, CO
Amit Momaya, M.D. Birmingham, AL
Eugene W. Brabston, M.D. Birmingham, AL
James V. Worthen, M.D. Birmingham, AL
Matthew Larrison, M.D. Birmingham, AL
Brent A. Ponce, M.D. Birmingham, AL
David Adkison, M.D. Birmingham, AL
- 12:08 p.m. – 12:13 p.m. 209. What Are the Costs of Shoulder Osteoarthritis in the Year Prior to a Total Shoulder Arthroplasty (TSA)?
Azeem T. Malik, M.D. Columbus, OH
*Julie Y. Bishop, M.D. Columbus, OH
Andrew S. Neviasser, M.D. Columbus, OH
Nikhil Jain, M.D. Columbus, OH
Safdar N. Khan, M.D. Columbus, OH
- 12:14 p.m. – 12:19 p.m. 210. Bundled Payment Plans Produce Significant Cost Savings for Total Shoulder Arthroplasty in the Outpatient Setting
*Jordan D. Walters, M.D. Memphis, TN
Ryan M. Walsh, B.S. Memphis, TN
Richard A. Smith, Ph.D. Memphis, TN
Tyler J. Brolin, M.D. Memphis, TN
Frederick M. Azar, M.D. Memphis, TN
Thomas W. Throckmorton, M.D. Memphis, TN
- 12:20 p.m. – 12:25 p.m. 211. Mental Health and Tobacco Use Are Correlated with PROMIS Upper Extremity, Pain Interference Scores in Patients with Shoulder Pathology
Mohsin S. Fidai, M.D. Detroit, MI
Joseph S. Tramer, M.D. Detroit, MI
Jason Meldau, B.S. Detroit, MI
Gabriel Sheena, B.S. Mt. Pleasant, MI
Caleb M. Gullede, B.S. Detroit, MI
Stephanie J. Muh, M.D. Detroit, MI
Vasilios Moutzouros, M.D. Detroit, MI
Eric C. Makhni, M.D., M.B.A. Detroit, MI
- 12:25 p.m. - 12:33 p.m. Floor Discussion
- 12:34 p.m. – 12:39 p.m. 212. Incidence of Positive Intraoperative Cultures in Primary Shoulder Arthroplasty Following Prior Ipsilateral Shoulder Surgery
Stephen T. Gates, M.D. Dallas, TX
Ivy Nguyen, B.S. Dallas, TX
*Michael A. Del Core, M.D. Dallas, TX
Michael S. Khazzam, M.D. Dallas, TX
- 12:40 p.m. – 12:45 p.m. 213. Clinical Characteristics and Long-Term Outcomes After Septic Arthritis of the Native Glenohumeral Joint: A 20-Year Retrospective Review
*Felicity Fisk, M.D. Detroit, MI
Matthew Sweet, B.S. Detroit, MI
Gabriel Sheena, B.S. Mt. Pleasant, MI
Lindsay M. Maier, M.D. Detroit, MI
Jonathan Lynch, M.D. Detroit, MI
Stephanie J. Muh, M.D. Detroit, MI

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| 12:46 p.m. – 12:51 p.m. | <p>214. Guidelines for Evidence-Based Prevention of Prosthetic Shoulder Infection Are Lacking: A Survey of Shoulder Surgeons
 *Richard J. McLaughlin, M.D. Rochester, MN
 Dave R. Shukla, M.D. Rochester, MN
 Julia Lee, M.D. Rochester, MN
 Ngoc Tram Nguyen, B.S. Rochester, MN
 Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN</p> |
| 12:51 p.m. – 12:58 p.m. | <p>Floor Discussion</p> |
| 12:59 p.m. – 1:04 p.m. | <p>215. Locking-Plate Fixation of Proximal Humerus Fractures in Patients Over 60 Continues to be Associated with a High Complication Rate
 Jonathan D. Barlow, M.D. Rochester, MN
 *Anthony L. Logli, M.D. Rochester, MN
 Scott P. Steinmann, M.D. Rochester, MN
 S. Andrew Sems, M.D. Rochester, MN
 William W. Cross, III, M.D. Rochester, MN
 Brandon J. Yuan, M.D. Rochester, MN
 Michael E. Torchia, M.D. Rochester, MN
 Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN</p> |
| 1:05 p.m. – 1:10 p.m. | <p>216. Thromboembolic Complications After Total Shoulder Arthroplasty: An Update
 *Joshua M. Kolz, M.D. Rochester, MN
 William R. Aibinder, M.D. Rochester, MN
 Robert A. Adams, OPA-C Rochester, MN
 John W. Sperling, M.D. Rochester, MN</p> |
| 1:11 p.m. – 1:16 p.m. | <p>217. Pulmonary Comorbidities Are Associated with Increased Major Complication Rates Following Indwelling Interscalene Nerve Catheters for Shoulder Arthroplasty
 *Ian A. Power, M.D. Farmington, NM
 Thomas W. Throckmorton, M.D. Memphis, TN
 Richard A. Smith, Ph.D. Memphis, TN
 Frederick M. Azar, M.D. Memphis, TN
 Tyler J. Brolin, M.D. Memphis, TN</p> |
| 1:17 p.m. – 1:22 p.m. | <p>218. Does the Transfusion Rate Following Reverse Total Shoulder Arthroplasty Warrant Aggressive Perioperative Blood Management?: An Indications-Based Analysis
 *Zachary K. Pharr, M.D. Memphis, TN
 Baylor E. Blickenstaff, M.D. Memphis, TN
 Richard A. Smith, Ph.D. Memphis, TN
 Tyler J. Brolin, M.D. Memphis, TN
 Frederick M. Azar, M.D. Memphis, TN
 Thomas W. Throckmorton, M.D. Memphis, TN</p> |
| 1:22 p.m. – 1:30 p.m. | <p>Floor Discussion</p> |

SATURDAY, APRIL 13, 2019
BREAKOUT SESSION #15
Topic: Sports Medicine
Room: Coral A

Co-Moderator for Papers #219-228:

Co-Moderator for Papers #219-228:

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| 10:30 a.m. - 10:35 a.m. | <p>219. Smoking as a Risk Factor for Readmission in Arthroscopic Surgery: A Propensity Matched Analysis</p> <p>Daniel J. Johnson, M.D. Chicago, IL</p> <p>Matthew J. Hartwell, M.D. Chicago, IL</p> <p>Richard W. Nicolay, M.D. Chicago, IL</p> <p>Ryan A. Selley, M.D. Chicago, IL</p> <p>*Hayden Baker, B.S. Chicago, IL</p> <p>Michael A. Terry, M.D. Chicago, IL</p> <p>Vehniah K. Tjong, M.D. Chicago, IL</p> |
| 10:36 a.m. - 10:41 a.m. | <p>220. Preoperative Albumin as a Risk Factor for Infection in Arthroscopy</p> <p>Richard W. Nicolay, M.D. Chicago, IL</p> <p>*Abhishek S. Kannan, M.D. Chicago, IL</p> <p>Ryan S. Selley, M.D. Chicago, IL</p> <p>Daniel J. Johnson, M.D. Chicago, IL</p> <p>Michael A. Terry, M.D. Chicago, IL</p> <p>Vehniah K. Tjong, M.D. Chicago, IL</p> |
| 10:42 a.m. - 10:47 a.m. | <p>221. The Incidence of Iatrogenic Cartilage Injury During Hip and Knee Arthroscopy</p> <p>*Michael E. Slattery, B.S. Iowa City, IA</p> <p>Jocelyn T. Compton, M.D. Iowa City, IA</p> <p>Zain M. Z. Khazi, B.S. Chicago, IL</p> <p>Robert W. Westermann, M.D. Iowa City, IA</p> |
| 10:47 a.m. - 10:54 a.m. | <p>Floor Discussion</p> |
| 10:55 a.m. - 11:00 a.m. | <p>222. Long-Term Results after Repair of Isolated Meniscus Tears in Patients 18 Years and Younger: An 18-Year Follow-up Study</p> <p>Michella Hagmeijer, M.D. Rochester, MN</p> <p>Nicholas I. Kennedy, M.D. Rochester, MN</p> <p>Adam J. Tagliero, M.D. Rochester, MN</p> <p>*Ayoosh Pareek, M.D. Rochester, MN</p> <p>Bruce A. Levy, M.D. Rochester, MN</p> <p>Michael J. Stuart, M.D. Rochester, MN</p> <p>Daniel B. F. Saris, M.D. Rochester, MN</p> <p>Diane L. Dahm, M.D. Rochester, MN</p> <p>Aaron J. Krych, M.D. Rochester, MN</p> |
| 11:01 a.m. - 11:06 a.m. | <p>223. Return to Sport and Sports Specific Outcomes After Osteochondral Allograft Transplantation in the Knee: A Systematic Review</p> <p>*Zachary T. Crawford Cincinnati, OH</p> <p>Adam P. Schumaier, M.D. Cincinnati, OH</p> <p>Georgina Glogovac, M.D. Cincinnati, OH</p> <p>Brian M. Grawe, M.D. Cincinnati, OH</p> |

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| 11:07 a.m. - 11:12 a.m. | <p>224. Return to Sport Following the Adolescent Concussion: Findings from a High School Population</p> <p>*Toufic R. Jildeh, M.D. Detroit, MI</p> <p>Kelechi R. Okoroha, M.D. Detroit, MI</p> <p>Lafi S. Khalil, M.D. Detroit, MI</p> <p>Eric Denha, M.D. Detroit, MI</p> <p>Christina Eyers, M.D. Detroit, MI</p> <p>Ashley Putnam, M.D. Detroit, MI</p> <p>Ramsey Shehab, M.D. Detroit, MI</p> <p>Vasilios Moutzouros, M.D. Detroit, MI</p> |
| 11:13 a.m. - 11:18 a.m. | <p>225. Professional Baseball Player Performance Outcomes and Return to Play Following Back Injury</p> <p>Charles C. Yu, M.D. Detroit, MI</p> <p>*Jacob Pawloski, B.S. Detroit, MI</p> <p>David Clausen, B.S. Detroit, MI</p> <p>Gregory P. Graziano, M.D. Detroit, MI</p> |
| 11:18 a.m. - 11:26 a.m. | <p>Floor Discussion</p> |
| 11:27 a.m. - 11:32 a.m. | <p>226. Influence of Tibial Tuberosity Distalization on Patellofemoral Tracking and Contact Pressures: A Dynamic Computational Simulation Study</p> <p>*Travis J. Jones, M.D. Akron, OH</p> <p>John J. Elias, M.D. Akron, OH</p> <p>Jason L. Koh, M.D. Glenview, IL</p> |
| 11:33 a.m. - 11:38 a.m. | <p>227. Variability of Non-Isometric Excursion in ACL Hamstring Autograft and Its Effect on Loading Through Knee Range of Motion: What Is the Risk for Overloading the Graft?</p> <p>*Christopher R. West, M.D. Iowa City, IA</p> <p>M. James Rudert, M.D. Iowa City, IA</p> <p>Hugh S. West, Jr., M.D. Murray, UT</p> <p>Brian R. Wolf, M.D., M.S. Iowa City, IA</p> |
| 11:39 a.m. – 11:44 a.m. | <p>228. Rotational Stability of the Knee Two Years After the ACL and Anterolateral Ligament Reconstruction</p> <p>*Radek Hart, M.D. Znojmo, Czech Republic</p> <p>Martin Komzák, M.D. Znojmo, Czech Republic</p> |
| 11:44 a.m. – 11:51 a.m. | <p>Floor Discussion</p> |
| 11:52 a.m. – 12:01 p.m. | <p>Spotlight Lecture</p> <p>Speaker:</p> <p>Topic:</p> <p>Co-Moderator for Papers #229-239:</p> <p>Co-Moderator for Papers #228-238:</p> |

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| 12:02 p.m. – 12:07 p.m. | 229. | The Cost Variability of Orthobiologics
*Alex R. Dombrowsky, B.S.
Andrew S. McGee, B.S.
Paul Waldrop, B.S.
Josh Wild, B.S.
Naqeeb Faroqui, B.S.
Samuel R. Huntley, B.S.
Eugene W. Brabston, M.D.
Brent A. Ponce, M.D.
Amit Momaya, M.D. | Birmingham, AL
Birmingham, AL
Birmingham, AL
Dothan, AL
Columbus, GA
Littleton, CO
Birmingham, AL
Birmingham, AL
Birmingham, AL |
| 12:08 p.m. – 12:13 p.m. | 230. | The Effect of Intraoperative Platelet-Rich Plasma (PRP) Injections on the Surgical Outcomes of Orthopedic Soft Tissue Repairs and Reconstructions: A Systematic Review with Meta-Analysis
*Parker A. Cavendish, B.S.
Joshua S. Everhart, M.D.
Alex D. Eikenberry, B.S.
Robert A. Magnussen, M.D.
Christopher C. Kaeding, M.D.
David C. Flanigan, M.D. | Columbus, OH
Columbus, OH
Columbus, OH
Columbus, OH
Columbus, OH
Columbus, OH |
| 12:14 p.m. – 12:19 p.m. | 231. | Collagen Nanofibers with and without Bone Marrow Stromal Cells Enhance Bone Healing in a Rat Calvarial Bone Defect Model
Therese Bou-Akl, M.D., Ph.D.
*David C. Markel, M.D.
Bin Wu, Ph.D.
Conor Daly-Seiler, M.S.
Mario Rossi, B.S.
Weiping Ren, Ph.D. | Southfield, MI
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Detroit, MI
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Detroit, MI |
| 12:20 p.m. – 12:25 p.m. | 232. | Platelet-Rich Plasma Composition Using the Arthrex Angel System
*William Kelton Vasileff, M.D.
Michael Baria, M.D.
Sushmitha Durgam, M.D. | Columbus, OH
Columbus, OH
Columbus, OH |
| 12:25 p.m. - 12:33 p.m. | Floor Discussion | | |
| 12:34 p.m. – 12:39 p.m. | 233. | Physiological Bone Health Parameters Among Elite Ballet Dancers
*Michael T. Cain, M.D.
Tyler Heimdal, B.S.
Joshua D. Harris, M.D.
Steven Petak, M.D.
Bradley Lambert, Ph.D.
Patrick C. McCulloch, M.D. | Houston, TX
College Station, TX
Houston, TX
Houston, TX
Houston, TX
Houston, TX |
| 12:40 p.m. – 12:45 p.m. | 234. | Epidemiology of Foot and Ankle Injuries in NCAA Jumping Athletes in the United States from 2009-2014
*Bryan G. Vopat, M.D.
Joseph B. Lytle, B.S.
Armin Tarakemeh, B.S.
Jeffrey Trojan, B.S.
Mary K. Mulcahey, M.D. | Kansas City, KS
Kansas City, KS
Kansas City, KS
New Orleans, LA
New Orleans, LA |

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| 12:46 p.m. – 12:51 p.m. | <p>235. The Relationship Between Age and Activity Level on Meniscus Repair Failure Rates and Patient Reported Outcomes at 5 Years
 Sarah Poland, B.S. Columbus, OH
 *Alex C. DiBartola, M.D. Columbus, OH
 Joshua S. Everhart, M.D. Columbus, OH
 Walter Kim, M.D. Columbus, OH
 Kent Axcell, B.S. Columbus, OH
 Robert Magnussen, M.D. Columbus, OH
 Christopher C. Kaeding, M.D. Columbus, OH
 David C. Flanigan, M.D. Columbus, OH</p> |
| 12:51 p.m. – 12:58 p.m. | <p>Floor Discussion</p> |
| 12:59 p.m. – 1:04 p.m. | <p>236. Delay in Surgical Management of Multiligament Knee Injuries is Associated with Cartilage and Meniscus Injury
 *Alan G. Shamrock, M.D. Iowa City, IA
 James R. Hall, M.S. Iowa City, IA
 Christina J. Hajewski, M.D. Iowa City, IA
 Qiang An, M.P.H., M.T. (ASCP) Iowa City, IA
 Kyle R. Duchman, M.D. Iowa City, IA</p> |
| 1:05 p.m. – 1:10 p.m. | <p>237. Comparison of Tendon Lengthening with Traditional vs. Accelerated Rehab Following Achilles Tendon Repair: A Randomized Controlled Trial
 *Najib R. Ussef, M.D. Detroit, MI
 Kelechi R. Okoroha, M.D. Detroit, MI
 Vasilios Moutzouros, M.D. Detroit, MI
 Ferras Zeni, M.D. Detroit, MI
 Erik Eller, M.D. Detroit, MI</p> |
| 1:11 p.m. – 1:16 p.m. | <p>238. Body Mass Index as a Risk Factor for Postoperative Complications in Arthroscopy
 Richard W. Nicolay, M.D. Chicago, IL
 *Pratik B. Patel, M.D. Chicago, IL
 Ryan S. Selley, M.D. Chicago, IL
 Michael A. Terry, M.D. Chicago, IL
 Vehniah K. Tjong, M.D. Chicago, IL</p> |
| 1:17 p.m. – 1:22 p.m. | <p>239. Systematic Review of Medial Patellofemoral Ligament Reconstruction Techniques: Comparison of Patellar Bone Socket and Cortical Surface Fixation Techniques
 Vishal S. Desai, B.S. Rochester, MN
 Adam J. Tagliero, M.D. Rochester, MN
 *Chad W. Parkes, M.D. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
 Nancy M. Cummings, M.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
 Diane L. Dahm, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN</p> |
| 1:22 p.m. – 1:30 p.m. | <p>Floor Discussion</p> |