

MID-AMERICA ORTHOPAEDIC ASSOCIATION

43rd Annual Meeting | April 15 – 19, 2026

SCIENTIFIC PROGRAM

* Denotes speaker

WEDNESDAY, APRIL 15

3:00 PM 7:30 PM Registration Desk Open
Assembly Foyer

3:00 PM 7:30 PM Speaker Ready Room Open
Magnolia 1

7:00 PM 9:00 PM Welcome Dinner
Julep Point

THURSDAY, APRIL 16

6:00 AM 3:00 PM Registration Desk Open
Assembly Foyer

6:00 AM 3:00 PM Speaker Ready Room Open
Magnolia 1

7:00 AM 7:45 AM [E-POSTER SESSIONS 1-4](#)

| LOCATION: | AZALEA B | AZALEA C | AZALEA A | AZALEA DEF |
|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Poster Session #1 | Poster Session #2 | Poster Session #3 | Poster Session #4 |
| | Trauma | Hip Arthroplasty | Oncology/Pediatrics | Spine |

7:45 AM 8:00 AM **Member Business Meeting** (no CME offered)
Grand Ballroom South

FIRST PLENARY SESSION

ROOM: GRAND BALLROOM SOUTH

CO-MODERATOR: **Brian R. Wolf, MD**
Iowa City, IA

CO-MODERATOR: **Matthew D. Karam, MD**
Iowa City, IA

8:00 AM 8:05 AM Welcome and Introductory Remarks
Brian R. Wolf, MD, 2025 – 2026 MAOA President

8:06 AM 8:36 AM **Symposium I**
Young Adult Hip

Robert W. Westermann, MD | Moderator
Iowa City, IA

Michael C. Willey, MD | Moderator
Iowa City, IA

Timothy S. Brown, MD
Houston, TX

Mario Hevesi, MD
Rochester, MN

| | | |
|---------|---------|---|
| 8:37 AM | 9:07 AM | CLASSICS IN ORTHOPAEDICS <i>Finding Balance in the Sports Medicine Journey</i> |
| | | Christopher Kaeding, MD Columbus, OH |
| 9:08 AM | 9:13 AM | Presentation of MAOA Physician in Training Awards for Excellence in Medical Writing |
| 9:14 AM | 9:19 AM | 0 Hamlet A. Peterson, MD Award Presentation Increased Risk of Prosthetic Joint Infection Following Revision Total Knee and Hip Arthroplasty for Aseptic Loosening with the use of Alternative Antibiotics to Cefazolin *Joseph A. Panos, MD, PhD Rochester, MN Rafael Sierra, MD Rochester, MN Matthew Abdel, MD Rochester, MN Cody Wyles, MD Rochester, MN |
| 9:20 AM | 9:25 AM | 1 Edward D. Henderson, MD Award Presentation Weight Bearing CT Shows Altered Tibiofemoral Loading Following Combined ACL Reconstruction and Meniscus Treatment *Travis B. Zhang, BS Iowa City, IA Tyce C. Marquez, MS Iowa City, IA Richard J. VanTienderen, MD Iowa City, IA Shannon F. Ortiz, MPH Iowa City, IA Donald D. Anderson, PhD Iowa City, IA Brian R. Wolf, MD, MS Iowa City, IA |
| 9:26 AM | 9:31 AM | 2 E. W. Johnson, Jr., MD Award Presentation One Dislocation is often Just the Beginning: 10-Year Outcomes after Initial THA Dislocations *Bailey R. MacInnis, MD Rochester, MN Sapheya H. Elhadi, BS Rochester, MN Michael J. Taunton, MD Rochester, MN Rafael J. Sierra, MD Rochester, MN Cody C. Wyles, MD Rochester, MN Matthew P. Abdel, MD Rochester, MN Charles P. Hannon, MD, MBA Rochester, MN |
| 9:32 AM | 9:37 AM | 3 Carl L. Nelson, MD Award Presentation GLP-1 Agonists Vs. Bariatric Surgery: Which Management Carries Heavier Weight Prior to Total Hip Arthroplasty? *Samuel P. Alfonsi III, MD Chicago, IL Omar Shalakhti, BS Chicago, IL Ajay S. Potluri, BS Chicago, IL Alexander J. Acuña, MD Chicago, IL Enrico M. Forlenza, MD Chicago, IL Elizabeth B. Terhune, MD Chicago, IL Robert A. Burnett III, MD Chicago, IL |

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| 9:38 AM | 9:43 AM | 4 Dallas B. Phemister, MD Award Presentation Impact of Non-Tobacco Nicotine Dependence on Perioperative and Long-Term Outcomes Following Ankle Fracture ORIF *Samuel A. Florentino, MD Cleveland, OH Logan M. Good, MD Cleveland, OH Alexander N. Berk, MD Cleveland, OH Alexander Rascoe, MD Cleveland, OH Joshua K. Napora, MD Cleveland, OH |
| 9:44 AM | 9:49 AM | FLOOR DISCUSSION |
| 9:50 AM | 9:53 AM | Introduction of Recipients of Education Grants |
| 9:54 AM | 9:59 AM | OREF Presentation – Lee Grossman <i>(no CME offered)</i> |
| 10:00 AM | 10:30 AM | Ask the Expert & Open Case Discussions Complex Primary Knee Arthroplasty Cases Moderator Erik T. Otterberg, MD Omaha, NE Faculty Charles P. Hannon, MD, MBA Rochester, MN Curtis Hartman, MD Omaha, NE Nicolas O. Noiseux, MD, MS, FRCSC Iowa City, IA |
| 10:30 AM | 11:00 AM | Coffee Break in Exhibit Hall Grand Ballroom North |

**BREAKOUT SESSION #1
TRAUMA**

ROOM: AZALEA A

CO-MODERATOR: **Mauricio Kfuri, MD**
Columbia, MO

CO-MODERATOR: **Justin C. Siebler, MD**
Omaha, NE

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|----------|----------|---|--|--|
| 11:00 AM | 11:05 AM | 5 | <p>Appropriateness of Patients Transferred with Orthopedic Injuries: A Retrospective Study of A Level III Teaching Hospital.</p> <p>Cameron O'Brien, BS Trevon Jelinek, BS Alec Young, BS Cole Phelps, DO Amar Patel, DO Clint Basener, DO *Jeremy Scott, DO</p> | <p>Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK</p> |
| 11:06 AM | 11:11 AM | 6 | <p>Precision Matters: Nanoscopy vs. Fluoroscopy for Lateral Tibial Plateau Reduction</p> <p>Majd Mzeihem, MD *Luke Zabawa, MD Yeseop Park, PhD Yazdan Raji, MD Alexander Crespo, MD Farid Amirouche, MD</p> | <p>Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL</p> |
| 11:12 AM | 11:17 AM | 7 | <p>Outcomes of Open Reduction Internal Fixation and Reverse Shoulder Arthroplasty for 3- and 4-Part Proximal Humerus Fractures in Patients Ages 60 and Younger</p> <p>Megan L. Anderson, BA Samuel S. Rudisill, MD Michael D. Baird, MD Brandon J. Yuan, MD Michael E. Torchia, MD John W. Sperling, MD Jonathan D. Barlow, MD, MS Mark E. Morrey, MD, MSc Joaquin Sanchez-Sotelo, MD, PhD Jennifer Tangtiphaibootana, MD *Katrina A. Pfaffenbach, BS, BA</p> | <p>Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN</p> |
| 11:18 AM | 11:23 AM | 8 | <p>Non-Tobacco Nicotine Dependence and Postoperative Complications Following Operative Fixation of Tibial Shaft Fractures: A Retrospective Cohort Analysis</p> <p>Alexander N. Berk, MD Maislin Bogart, BS Cyrus F. Eghtedari, BS Logan M. Good, MD Samuel A. Florentino, MD *Robert J. Burkhart, MD George Ochenjele, MD Robert J. Wetzel, MD</p> | <p>Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH</p> |

Joshua K. Napora, MD

Cleveland, OH

11:24 AM 11:29 AM **FLOOR DISCUSSION**

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| 11:30 AM | 11:35 AM | 9 | Recent Prescribing Trends of Anticoagulants in Hip Fracture Patients Hanna E. House, MD Austin Schwartz, BS *Insup Hong, MA Michelle R. Shimizu, MD Robert Hand, MS Joseph B. Cohen, MD Hobie D. Summers, MD Ashley E. Levack, MD | Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL |
| 11:36 AM | 11:41 AM | 10 | Comparison of Acute Vs. Conversion Total Hip Arthroplasty in Femoral Neck Fractures Andrew M. Minchow *Grace E. Kugler Erin Stockwell, MD John Rosenberg, MD Christopher Deans, MD | Omaha, NE Omaha, NE New Haven, CT Chicago, IL Omaha, NE |
| 11:42 AM | 11:47 AM | 11 | Increased Costs and Surgical Delays Associated with Preoperative Cardiology Consultation Prior to Hip Arthroplasty for Femoral Neck Fracture *Xiao T. Chen, MD Bryan D. Springer, MD Shalmali Borkar, MPH Aaron Spaulding, PhD Awais A. Malik, MD Steven B. Porter, MD Cody C. Wyles, MD Benjamin K. Wilke, MD | Rochester, MN Jacksonville, FL Jacksonville, FL Jacksonville, FL Jacksonville, FL Jacksonville, FL Rochester, MN Des Moines, IA |
| 11:48 AM | 11:53 AM | 12 | Long-Term Outcomes Following Short Vs. Long Cephalomedullary Nailing for Pertrochanteric Hip Fractures: 8 Year Follow-Up on A Randomized Prospective Cohort Study Megan L. Anderson, BA *Austen Thompson, MD, PhD Katrina A. Pfaffenbach, BA, BS Brandon J. Yuan, MD William W. Cross III, MD Krystin A. Hidden, MD Pamela K. Holte, APRN, CNP, MSN S. Andrew Sems, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 11:54 AM | 11:59 AM | 13 | Outcomes of Distal Radius Fractures: A Comparison Between Fellowship-Trained Trauma and Hand Orthopaedic Surgeons *John Mickley, MD Patrick Wabnitz, BS Michael Guyot, BS Arman Tabarestani, BS Nicholas James, MD Porter Young, MD | Jacksonville, FL Gainesville, FL Gainesville, FL Gainesville, FL Jacksonville, FL Jacksonville, FL |
| 12:00 PM | 12:05 PM | FLOOR DISCUSSION | | |

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| 12:06 PM | 12:11 PM | SPOTLIGHT LECTURE <i>Intertrochanteric Femur Fractures</i> Justin C. Siebler, MD Omaha, NE |
| 12:12 PM | 12:17 PM | 14 The Impact of NSAIDs vs. Opioids on Fracture Healing in Weber B and C Ankle Fractures: A Binational Matched Cohort Study *Maggie Head, BA, MS Louisville, KY Behrad Bakhtiari Sirjani, BS Louisville, KY John Whitaker, MD Louisville, KY Rodolfo Zamora, MD Louisville, KY |
| 12:18 PM | 12:23 PM | 15 Management of 3- and 4-Part Proximal Humerus Fractures in Patients ≤60 Years: Acute Vs. Salvage Reverse Shoulder Arthroplasty after Open Reduction and Internal Fixation Megan L. Anderson, BA Rochester, MN Samuel S. Rudisill, MD Rochester, MN Michael D. Baird, MD Rochester, MN Brandon J. Yuan, MD Rochester, MN Michael E. Torchia, MD Rochester, MN John W. Sperling, MD Rochester, MN Jonathan D. Barlow, MD, MS Rochester, MN Mark E. Morrey, MD, MSc Rochester, MN Joaquin Sanchez-Sotelo, MD, PhD Rochester, MN Jennifer Tangtiphaibontana, MD Rochester, MN *Zachary Reuter, MD Rochester, MN |
| 12:24 PM | 12:29 PM | 16 Dorsal Bridge Plating, Volar Plating, or Both? A Retrospective Analysis of Clinical and Radiographic Outcomes of Distal Radius Fracture Fixation Techniques Ryan N. McIlwain, BS Birmingham, AL Robin M. Litten, MS Birmingham, AL Matthew T. Yeager, MD Birmingham, AL Robert Rutz, MD Birmingham, AL Katie Frith, MD Birmingham, AL Jonathan H. Quade, MD Birmingham, AL Anthony Wilson, MD Birmingham, AL *Colby Rives Birmingham, AL |
| 12:30 PM | 12:35 PM | 17 Triple Plate Construct in Intraarticular Distal Humerus Fractures Ryan N. McIlwain, BS Birmingham, AL Robin M. Litten, MS Birmingham, AL Doriann M. Alcaide, MD Birmingham, AL Nigel Blackwood, MD Birmingham, AL Jonathan Quade, MD Birmingham, AL *Greyson Taylor, BS Birmingham, AL |
| 12:36 PM | 12:45 PM | FLOOR DISCUSSION |

**BREAKOUT SESSION #2
KNEE ARTHROPLASTY**

ROOM: AZALEA B

CO-MODERATOR: **Nicholas L. Kolodychuk, MD**
Columbus, OH

CO-MODERATOR: **Mark H. Gonzalez, MD**
Chicago, IL

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| 11:00 AM | 11:05 AM | 18 | <p>Fifty Years of Progress: Trends in Survivorship and Failure Mechanisms in Over 41,000 Primary TKAs</p> <p>*Adrian E. Gonzales-Bravo, BS Rochester, MN Matthew T. Weintraub, MD Rochester, MN Nicholas A. Bedard, MD Rochester, MN Rafael J. Sierra, MD Rochester, MN Daniel J. Berry, MD Rochester, MN Matthew P. Abdel, MD Rochester, MN Charles P. Hannon, MD, MBA Rochester, MN</p> |
| 11:06 AM | 11:11 AM | 19 | <p>Percutaneous 60-Day Peripheral Nerve Stimulation for Patients with Serious Persistent Postoperative Pain and Impaired Function After Total Knee Arthroplasty: 12-Month Results from a Randomized Controlled Trial</p> <p>Johnathan H. Goree, MD Little Rock, AR David M. Dickerson, MD Chicago, IL Stuart A. Grant, MD Chapel Hill, NC Yashar Eshraghi, MD New Orleans, LA Jeffrey B. Stambough, MD Little Rock, AR Ravi K. Bashyal, MD Chicago, IL John E. Gilbert, PhD Chapel Hill, NC Amorn Wongsarnpigoon, PhD Chapel Hill, NC Joseph W. Boggs, PhD Chapel Hill, NC *Timothy S. Brown, MD Houston, TX</p> |
| 11:12 AM | 11:17 AM | 20 | <p>Efficacy Of Commercially Available Irrigation Solutions On Removal Of Biofilms Grown On Porous Titanium Implants: An In Vitro Study</p> <p>Momin Nasir, MD Southfield, MI Adam Miller, MD Southfield, MI Paula Pawlitz, MS Southfield, MI Therese Bou-Akl, MD, PhD Southfield, MI David C. Markel, MD Southfield, MI *Thomas Z. Paull, MD Southfield, MI</p> |
| 11:18 AM | 11:23 AM | 21 | <p>Preoperative Contralateral Joint Pain and/or Back Pain Are Associated with Worse Baseline PROMs and Failing to Achieve the 20-Point Substantial Clinical Benefit for KOOS-JR After TKA: Implications for the New CMS PROMs Policy</p> <p>*Khaled A Elmenawi Cleveland, OH Shujaa T. Khan, MD Cleveland, OH Shlok Patel, MD Cleveland, OH Trevor G. Murray, MD Cleveland, OH John P. McLaughlin, DO Cleveland, OH Nicolas S. PiuZZi, MD Cleveland, OH</p> |
| 11:24 AM | 11:29 AM | FLOOR DISCUSSION | |

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| 11:30 AM | 11:35 AM | 22 | Be Wary of Severe Tibial or Femoral Varus in Primary TKA: A Long-Term Analysis of Over 19,000 Cases | |
| | | | *Moein Bonakdarhashemi, MD | Rochester, MN |
| | | | Niall H. Cochrane, MD | Rochester, MN |
| | | | Adrian E. Gonzalez Bravo, MS | Rochester, MN |
| | | | Cody C. Wyles, MD | Rochester, MN |
| | | | Michael J. Taunton, MD | Rochester, MN |
| | | | Mark W. Pagnano, MD | Rochester, MN |
| | | | Matthew P. Abdel, MD | Rochester, MN |
| | | | Charles P. Hannon, MD, MBA | Rochester, MN |
| 11:36 AM | 11:41 AM | 23 | Association Between Social Deprivation Index (SDI) and Post-Operative 30-Day Ed Visit Following Primary Hip and Knee Arthroplasty in A Statewide Registry | |
| | | | Mohammed Khier Alsarraj | Flint, MI |
| | | | Mazen Zamzam | West Bloomfield, MI |
| | | | Ya Tuo | Ann Arbor, MI |
| | | | Seann Willson | Perry, MI |
| | | | *Elizabeth Dailey, MD | Ann Arbor, MI |
| 11:42 AM | 11:47 AM | 24 | Prom Alignment in Value-Based Care: KOOS JR vs. PROMIS-10 in Total Knee Arthroplasty | |
| | | | *Corey F. Hryc, PhD | Houston, TX |
| | | | Drake G. LeBrun, MD | Houston, TX |
| | | | Anay R. Patel, MD | Houston, TX |
| 11:48 AM | 11:53 AM | 25 | Metabolic Syndrome is a Predictor of Higher Complications Following Total Knee Arthroplasty | |
| | | | Omar Shalakhti, MS | Chicago, IL |
| | | | Samuel P. Alfonsi, MD | Chicago, IL |
| | | | *Aditya S. Yadav, MS | Chicago, IL |
| | | | Alexander J. Acuña, MD | Chicago, IL |
| | | | Enrico Forlenza, MD | Chicago, IL |
| | | | E. Bailey Terhune, MD | Chicago, IL |
| | | | Ajay S. Potluri, BS | Chicago, IL |
| 11:54 AM | 11:59 AM | 26 | Polyethylene, Single- and Complete-component Revision for Arthrofibrosis after TKA Demonstrate Similar Outcomes but High Re-revision Rates | |
| | | | *Justin M. Walsh, MD | Houston, TX |
| | | | Anthony Eshareturi, BS | Houston, TX |
| | | | Austin E. Winger, MD | Houston, TX |
| | | | Thomas C. Sullivan, BS | Houston, TX |
| | | | Karen L. Hernandez, BS | Houston, TX |
| | | | Stephen J. Incavo, MD | Houston, TX |
| | | | Timothy S. Brown, MD | Houston, TX |
| | | | Kwan J. Park, MD | Houston, TX |
| 12:00 PM | 12:05 PM | | FLOOR DISCUSSION | |
| 12:06 PM | 12:11 PM | | SPOTLIGHT LECTURE | |
| | | | <i>Total Knee Arthroplasty: Should the Patella be Resurfaced ?</i> | |
| | | | Mark H. Gonzalez, MD | |
| | | | Chicago, IL | |

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| 12:12 PM | 12:17 PM | 27 | Unicompartmental Knee Arthroplasty Provides Improved Outcomes and Survivorship Compared to Proximal Tibial Osteotomy at Minimum 10-Year Follow-Up | Jason G. Ina, MD Sanathan Iyer, MS Eva Bax, MS *Rana Ahmad, BS Marieke Kietselaer Daniel B.F. Saris, MD, PhD Mario Hevesi, MD, PhD Mark Pagnano, MD Aaron J. Krych, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN | |
| 12:18 PM | 12:23 PM | 28 | Comparable Outcomes with Technology-Assisted vs. Manual Primary Total Knee Arthroplasty: A Matched Cohort Analysis | Adrián E. González-Bravo, BS Harold I. Salmons, MD Nicholas A. Bedard, MD Rafael J. Sierra, MD Mark W. Pagnano, MD Matthew P. Abdel, MD *Charles P. Hannon, MD, MBA | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN | |
| 12:24 PM | 12:29 PM | 29 | Evaluating the Efficacy of Robotic-Assisted vs. Conventional Techniques in Revision Knee Arthroplasty: A Long-Term Propensity-Matched Analysis | *Majd Mzeihem, MD Ali Rteil, MD, MSc Yasser Farid, MD Hristo Piponov, MD Lalit Puri, MD Farid Amirouche, PhD | Chicago, IL Skokie, IL Chicago, IL Skokie, IL Skokie, IL Skokie, IL | |
| 12:30 PM | 12:35 PM | 30 | The Impact of BMI on the Risk of Post-op 90-Day Infection differs between Primary Total Hip and Knee Arthroplasty in a Statewide Registry | Noah K. Elagamy, MD Brian Hallstrom, MD Elizabeth Dailey, MD Huiyong Zheng, PhD, MS, MSE Devon Larese, MSN, AGCNS-BC David Markel, MD *Siddhartha Dandamudi, MD | Southfield, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Novi, MI Southfield, MI | |
| 12:36 PM | 12:45 PM | FLOOR DISCUSSION | | | | |

**BREAKOUT SESSION #3
 SPORTS MEDICINE/ARTHROSCOPY**

ROOM: GRAND BALLROOM SOUTH

CO-MODERATOR: **Kyle R. Duchman, MD**
 Iowa City, IA

CO-MODERATOR: **Jeffrey A. Macalena, MD**
 Minneapolis, MN

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| 11:00 AM | 11:05 AM | 31 | <p>No Difference in Short-Term Failure Risk of Patellar Tendon Autograft and Large Hamstring Tendon Autograft in Adolescents Undergoing Anterior Cruciate Ligament Reconstruction</p> <p>Zeid Habbab, BS Columbus, OH Lauren Han, BS Columbus, OH Sanam N. Jhaveri, BS Columbus, OH Jimmy Le, BA Columbus, OH Robert Magnussen, MD Columbus, OH Kyle Huntley, MD Columbus, OH David Flanigan, MD Columbus, OH Tyler Barker, PhD Columbus, OH *Nicholas Apseloff, MD Columbus, OH Christopher Kaeding, MD Columbus, OH</p> |
| 11:06 AM | 11:11 AM | 32 | <p>Objective Return-To-Sport Criteria with Limb Symmetry Index following Medial Patellofemoral Ligament Reconstruction: A Systematic Review and Meta-Analysis</p> <p>*Jacob D. Mikula, MD Rochester, MN Louis Kang, BS Rochester, MN Gavin H. Ward, BA Rochester, MN Emma E. Helgeson, BS Rochester, MN Mario Hevesi, MD, PhD Rochester, MN Kelechi Okoroha, MD Rochester, MN Daniel B.F. Saris, MD, PhD Rochester, MN Christopher L. Camp, MD Rochester, MN Aaron J. Krych, MD Rochester, MN Adam J. Tagliero, MD Rochester, MN</p> |
| 11:12 AM | 11:17 AM | 33 | <p>Return to Sports after Primary Hip Arthroscopic Labral Repair in Dancers with Femoroacetabular Impingement: Minimum 2-Year Follow-Up</p> <p>Jason Ina, MD Rochester, MN Gavin H. Ward, BA Rochester, MN Sanathan Iyer, MS Rochester, MN *Rakan Alshaibi, BS Rochester, MN Rana A. Ahmad, BS Rochester, MN Jacob Mikula, MD Rochester, MN Bruce A. Levy, MD Orlando, FL Aaron J. Krych, MD Rochester, MN Kelechi R. Okoroha, MD Rochester, MN Mario Hevesi, MD, Ph.D. Rochester, MN</p> |

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| 11:18 AM | 11:23 AM | 34 | Patient and Chondral Specific-Defect Characteristics Impact Matrix-Induced Autologous Chondrocyte Implantation (MACI) Conversion Rates Following Biopsy | |
| | | | *Derrick M. Knapik, MD | St. Louis, MO |
| | | | Daniel C. Touhey, MD | St. Louis, MO |
| | | | S. Ryan Pierson, MD | St. Louis, MO |
| | | | Christopher K. Bozorgmehr, BS | St. Louis, MO |
| | | | Matthew V. Smith, MD | St. Louis, MO |
| | | | Matthew J. Matava, MD | St. Louis, MO |
| | | | Robert H. Brophy, MD | St. Louis, MO |
| 11:24 AM | 11:29 AM | | FLOOR DISCUSSION | |
| 11:30 AM | 11:35 AM | 35 | GLP-1 Receptor Agonist Use in Obese Patients Undergoing Arthroscopic Rotator Cuff Repair: Reduced Medical Complications but Higher Tear Rates. | |
| | | | Argen Omurzakov, BA | Cleveland, OH |
| | | | Arsen M. Omurzakov, BA | New York, NY |
| | | | Robert J. Burkhart, MD | Cleveland, OH |
| | | | James E. Voos, MD | Cleveland, OH |
| | | | Jacob G. Calcei, MD | Cleveland, OH |
| | | | John M. Apostolakos, MD, MPH | Cleveland, OH |
| | | | *Lambert Li, MD | Cleveland, OH |
| 11:36 AM | 11:41 AM | 36 | Pitch-Specific Spin Rate, Velocity, and Movement Profiles Lead to Increased Odds of Undergoing Ulnar Collateral Ligament Reconstruction in Professional Baseball Pitchers | |
| | | | Maxwell Harrell, BS | Birmingham, AL |
| | | | Dev Dayal, BS | Birmingham, AL |
| | | | Clay Rahaman, BA | Birmingham, AL |
| | | | Patrick Elliott, MD | Birmingham, AL |
| | | | Caleb Berta, BS | Birmingham, AL |
| | | | *Nathaniel Buchanan, BS | Birmingham, AL |
| | | | Eugene Brabston, MD | Birmingham, AL |
| | | | Thomas Evely, DO | Birmingham, AL |
| | | | Walter Smith, MD | Birmingham, AL |
| 11:42 AM | 11:47 AM | 37 | Injury Trends and Financial Dollars Lost Due to Injury in Major League Baseball: An Analysis of Injured List Data Over 15 Seasons From 2010-2024 | |
| | | | Louis S. Kang, BS | Rochester, MN |
| | | | Fabien Meta, MD | Minneapolis, MN |
| | | | Jacob D. Mikula, MD | Rochester, MN |
| | | | John J. Kelly, MD | Rochester, MN |
| | | | Rakan Alshaibi, BS | Rochester, MN |
| | | | Nick Paparesta, ATC | Minneapolis, MN |
| | | | Amy S. Beacom, MD | Rochester, MN |
| | | | Eric N. Bowman, MD | Nashville, TN |
| | | | Matthew V. Smith, MD | St. Louis, MO |
| | | | Christopher L. Camp, MD | Rochester, MN |
| | | | *Alexander C. Hayden, MD | Rochester, MN |

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| 11:48 AM | 11:53 AM | 38 | NCAA Division I Varsity Athletes Return to Play Sooner Than Collegiate Club Athletes Following Concussion *Alexander J. Neuville, MD Samantha L. Watson, BS Jake A. Morales, BS James M Nerrie, ATC Vehniak K. Tjong, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 11:54 AM | 11:59 AM | 39 | Predictors of Reoperation Risk After Horizontal Cleavage Meniscus Tear Repair *Kevin E. Agner, BSPH Catherine Rock, BS Parker Cavendish, MD Kyle Huntley, MD Nicholas Apsehoff, MD Christopher Kaeding, MD Robert Magnussen, MD David Flanigan, MD | Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH |
| 12:00 PM | 12:05 PM | FLOOR DISCUSSION | | |
| 12:06 PM | 12:11 PM | SPOTLIGHT LECTURE <i>What to Do When the Patient is Out of Line</i> Jeffrey A. Macalena, MD Minneapolis, MN | | |
| 12:12 PM | 12:17 PM | 40 | The Influence of Lateral Extra-Articular Tenodesis Augmentation of Anterior Cruciate Ligament Reconstruction on Weight-Bearing Computed Tomography Joint Space Width *Joseph M. Rund, MD Richard J. VanTienderen, DO Elle McCormick, MD Tyce C. Marquez, MS Robert W. Westermann, MD Donald D. Anderson, PhD Brian W. Wolf, MD, MS | Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA |
| 12:18 PM | 12:23 PM | 41 | Operative Repair of Lateral Meniscus Oblique Radial Tear (LMORT) Results in Improvements in Functional Outcomes and a Low Incidence of Complications: A Systematic Review Daniel C. Touhey, MD Christopher K. Bozorgmehr, BS *S. Ryan Pierson, MD Robert H. Brophy, MD Matthew J. Matava, MD Matthew V. Smith, MD Derrick M. Knapik, MD | St. Louis, MO St. Louis, MO St. Louis, MO St. Louis, MO St. Louis, MO St. Louis, MO St. Louis, MO |

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| 12:24 PM | 12:29 PM | 42 | Superior Knee Function and Higher Activity Level after Circumferential Repair Vs. Partial Meniscectomy for Meniscus Horizontal Cleavage Tears: A Minimum 2-Year Propensity-Matched Comparative Study | |
| | | | Gavin H. Ward, BA | Rochester, MN |
| | | | Jason Ina, MD | Rochester, MN |
| | | | Sanathan Iyer, MS | Rochester, MN |
| | | | *Rakan Alshaibi, BS | Rochester, MN |
| | | | Rana A. Ahmad, BS | Rochester, MN |
| | | | Bruce A. Levy, MD | Orlando, FL |
| | | | Adam J. Tagliero, MD | Rochester, MN |
| | | | Christopher L. Camp, MD | Rochester, MN |
| | | | Mario Hevesi, MD, PhD | Rochester, MN |
| | | | Aaron J. Krych, MD | Rochester, MN |
| 12:30 PM | 12:35 PM | 43 | Return to Sport after Revision Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis | |
| | | | Varun Gopinath, MD | St. Louis, MO |
| | | | Daniel C. Touhey, MD | St. Louis, MO |
| | | | Edward M. Barksdale, MD | St. Louis, MO |
| | | | *Derrick M. Knapik, MD | St. Louis, MO |
| 12:36 PM | 12:45 PM | | FLOOR DISCUSSION | |

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| 11:30 AM | 11:35 AM | 48 | Disparities in the Care of Patients with Adolescent Idiopathic Scoliosis *Shray Kumar, BS Akron, OH Kenzie D. Lundqvist, MD Akron, OH Richard P. Steiner, PhD Akron, OH Lorena V. Floccari, MD Akron, OH |
| 11:36 AM | 11:41 AM | 49 | The Association Between Sagittal Plane Parameters and Patient Reported Outcomes in Patients with Neuromuscular Scoliosis *Trinity A. Kronk, BS Rootstown, OH Walter Truong, MD Minneapolis, MN Ryan Fitzgerald, MD Tampa, FL Richard P. Steiner, PhD Akron, OH Lorena V. Floccari, MD Akron, OH Pediatric Spine Study Group Valley Forge, PA |
| 11:42 AM | 11:47 AM | 50 | Long-Term Outcomes after Spinal Accessory Nerve to Musculocutaneous Nerve Transfer in Brachial Plexus Birth Injuries: A Mean 10-Year Follow-Up Lauren E. Tagliero, MD Rochester, MN Nicholas Pulos, MD Rochester, MN Alexander Y. Shin, MD Rochester, MN *Aliya G. Feroe, MD, MPH Rochester, MN |
| 11:48 AM | 11:53 AM | 51 | Epidemiological Trends and Projections of Adolescent Idiopathic Scoliosis Patients Among 118 Thousand Patients Parshva A. Sanghvi, BS Cleveland, OH Robert Burkhardt, MD Cleveland, OH *Rayyan Abid, BS Cleveland, OH Alexander Berk, MD Cleveland, OH Jeremy Adelstein, MD Cleveland, OH Andrew Moyal, MD Cleveland, OH Michael Glotzbecker, MD Cleveland, OH R. Justin Mistovich, MD Cleveland, OH |
| 11:54 AM | 11:59 AM | 52 | Do Radiographic Diagnostic Criteria Accurately Differentiate CVT and COT? A Validation Study *Abdi Abud, MD Omaha, NE Chauna Weyermuller, DNP, APRN Omaha, NE Smitha E Mathew, MBBS Omaha, NE |
| 12:00 PM | 12:05 PM | FLOOR DISCUSSION | |
| 12:06 PM | 12:11 PM | SPOTLIGHT LECTURE <i>Navigating in the OR: Use of Image Guided Navigation Outside the Spine</i> Joshua B. Holt, MD Iowa City, IA | |

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|----------|----------|-------------------------|--|---|
| 12:12 PM | 12:17 PM | 53 | Can patients with SCFE be safely discharged directly from the recovery room? *Elizabeth Brown, MD Destiny Wilson, BS Hunter Lawrence Eric Siegel, MS Robert Dale Blasier, MD Scott Schoenleber, MD Brien Rabenhorst, MD | Little Rock, AR Little Rock, AR Little Rock, AR Little Rock, AR Little Rock, AR Little Rock, AR Little Rock, AR |
| 12:18 PM | 12:23 PM | 54 | Timely Transitions: Leveraging APP Expertise in Pediatric Surgical Discharge Efficiency *Amanda D. Edmonds, APRN, CNP | Akron, OH |
| 12:24 PM | 12:29 PM | 55 | Casting Out Confusion: Evaluating the Utility of ChatGPT in Clubfoot Patient Education Haad Arif, MD Shamar T. Elliott, BS Jacob A. Burke, MS *Ashleigh N. Pyle, BS Shane Strom, MD Shawn Gilbert, MD | Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL |
| 12:30 PM | 12:35 PM | 56 | Corticosteroid Induced Avascular Necrosis of the Femoral Head: Mid-Term Outcomes of Core Decompression with Bone Marrow Aspirate Concentrate Injection in Adolescents and Young Adults *Quinn J. Johnson, MD Emil Varas, MPH Rafael J. Sierra, MD Emmanouil Grigoriou, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 12:36 PM | 12:45 PM | FLOOR DISCUSSION | | |

**BREAKOUT SESSION #5
FOOT & ANKLE**

ROOM: AZALEA C

CO-MODERATOR: **Bopha Chrea, MD**
Iowa City, IA

CO-MODERATOR: **Richard T. Laughlin, MD**
Cincinnati, OH

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| 11:00 AM | 11:05 AM | 57 | <p>Broström with Internal Brace Augmentation Significantly Improves Ankle Stability Measured by the Cumberland Ankle Instability Tool Compared to Broström Without Augmentation</p> <p>*Rachel Bergman, MD Chicago, IL Steven M. Hadley, Jr., BA Chicago, IL Sarah J. Westvold, MPH New Haven, CT Tanya Kukreja, BA Chicago, IL Carolyn Hu, BS Chicago, IL Ryan Filler, MD Chicago, IL Muhammad Mutawakkil, MD Chicago, IL Milap Patel, DO Chicago, IL Anish R. Kadakia, MD Chicago, IL Clayton Welsh, MD Chicago, IL</p> |
| 11:06 AM | 11:11 AM | 58 | <p>Patient-Reported Functional Outcomes Following Charcot Foot Reconstruction</p> <p>Elizabeth Cho, MD Maywood, IL Victoria Hodkiewicz, BS Maywood, IL Nicole Huang, MD Maywood, IL Kamran S. Hamid, MD, MPH Maywood, IL Adam P. Schiff, MD Maywood, IL Michael S. Pinzur, MD Maywood, IL Levy Nathan Maywood, IL *Madison Balagtas, BS Maywood, IL</p> |
| 11:12 AM | 11:17 AM | 59 | <p>Socioeconomic Deprivation and Preoperative Presentation in Elective Foot and Ankle Surgical Patients in the Southeastern U.S</p> <p>Tyler N. Kelly, MD Birmingham, AL Garrett J. Jebeles Birmingham, AL LaMiah Hall, MD Birmingham, AL Simon P. Lalehzarian, MD, MHA, MS Birmingham, AL Keerthi Jaliparthi, MD Birmingham, AL Rohit Chaparala, BS Birmingham, AL Emilio Feijoo, MD Birmingham, AL Binam Shrestha, MBBS Birmingham, AL *Jordan Myers, MPH, BS Birmingham, AL</p> |
| 11:18 AM | 11:23 AM | 60 | <p>Outcomes of Surgical Treatment for Symptomatic Superficial Peroneal Neuromas</p> <p>Terry L. Hayes, MMS North Liberty, IA Ignacio Garcia Fleury, MD North Liberty, IA *Joseph A. Buckwalter V, MD, PhD North Liberty, IA Christopher Cychosz, MD Eugene, OR John E. Femino, MD North Liberty, IA</p> |

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| 11:24 AM | 11:29 AM | FLOOR DISCUSSION | |
| 11:30 AM | 11:35 AM | 61 | <p>Increased Lateral Column Loading in CMT Associated Cavovarus Foot Deformity Compared to Healthy Controls</p> <p>Tyce C. Marquez, MS Lauren Crowe, BS Jason Wilken, PT, PhD Donald D. Anderson, PhD *Bopha Chrea, MD</p> <p>North Liberty, IA North Liberty, IA Iowa City, IA North Liberty North Liberty</p> |
| 11:36 AM | 11:41 AM | 62 | <p>Staged Tibiotalocalcaneal Arthrodesis for Infected Nonunion of the Hindfoot</p> <p>*Caroline J. Szabo, BS, BA Isaac C. Hale, BS Paul McMillan, MD Logan P. Lake, BS Augusto Roca, MD</p> <p>Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH</p> |
| 11:42 AM | 11:47 AM | 63 | <p>Impact of Preoperative Opioid use on Postoperative Healthcare Utilization Following Ankle Fracture Surgery</p> <p>*Isaac Hale, BS Samuel Gerak, BS Paul McMillan, MBChB, MSc Logan Lake, BS Richard Laughlin, MD</p> <p>Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH</p> |
| 11:48 AM | 11:53 AM | 64 | <p>Outcomes Related to Ankle and Calf Soft Tissue Envelope in Total Ankle Arthroplasty</p> <p>Nicole Huang, MD Elizabeth Cho, MD *Hallie Buckner, BS Michael S. Pinzur, MD Kamran Hamid, MD Adam Schiff, MD</p> <p>Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL</p> |
| 11:54 AM | 11:59 AM | 65 | <p>Impact of Additional Joint Arthrodesis on Nonunion Rates in Complex Medial Column Midfoot Fusion: A Case Series</p> <p>Cale B. Dobson, BS Aly M. Fayed, MD John E. Femino, MD *Bopha Chrea, MD</p> <p>Iowa City, IA North Liberty, IA North Liberty, IA North Liberty, IA</p> |
| 12:00 PM | 12:05 PM | FLOOR DISCUSSION | |
| 12:06 PM | 12:11 PM | <p>SPOTLIGHT LECTURE</p> <p><i>Getting it Right- Technical Pearls for Combined Total Talus - Total Ankle Arthroplasty</i></p> <p>Bopha Chrea, MD Iowa City, IA</p> | |

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| 12:12 PM | 12:17 PM | 66 | Trends in Medicare Procedure Utilization and Physician Fee Reimbursement for Foot and Ankle Arthrodesis and Arthroplasty Procedures | |
| | | | LaMiah Hall, MD | Birmingham, AL |
| | | | Tyler Kelly, MD | Birmingham, AL |
| | | | Simon P. Lalehzarian, MD, MHA, MS | Birmingham, AL |
| | | | Garrett Jebeles | Birmingham, AL |
| | | | Jordan Myers | Birmingham, AL |
| | | | Payal Gupta, MD | Birmingham, AL |
| | | | Fabio Pencle MD | Birmingham, AL |
| | | | *Apurv Gabrani, MD | Birmingham, AL |
| | | | Ashleigh Pyle | Birmingham, AL |
| 12:18 PM | 12:23 PM | 67 | Augmented Broström Enables Patients with Anatomic Ankle Deformities to Achieve Population Mean Function and Pain as Measured by PROMIS | |
| | | | Steven M. Hadley, Jr., BA | Chicago, IL |
| | | | Sarah J. Westvold MPH | New Haven, CT |
| | | | Tanya Kukreja BA | Chicago, IL |
| | | | Carolyn Hu, BS | Chicago, IL |
| | | | Ryan Filler, MD | Chicago, IL |
| | | | Clayton Welsh, MD | Chicago, IL |
| | | | Muhammad Mutawakkil, MD | Chicago, IL |
| | | | Milap Patel, DO | Chicago, IL |
| | | | Anish R. Kadakia, MD | Chicago, IL |
| | | | *Jennings Dooley, MD | Chicago, IL |
| | | | Rachel F. Bergman | Chicago, IL |
| 12:24 PM | 12:29 PM | 68 | Using Neutrophil to Lymphocyte ratio (NLR) as a Screening Tool for Deep Tissue Infection in Charcot Foot and Ankle Reconstruction | |
| | | | Nicole Huang, MD | Maywood, IL |
| | | | Elizabeth Cho, MD | Maywood, IL |
| | | | *Hallie Buckner, BS | Maywood, IL |
| | | | Raheyma Siddiqui, MS | Maywood, IL |
| | | | Bradley Moon, MS | Maywood, IL |
| | | | Kamran Hamid, MD | Maywood, IL |
| | | | Adam Schiff, MD | Maywood, IL |
| | | | Michael S. Pinzur, MD | Maywood, IL |
| 12:30 PM | 12:35 PM | 69 | Patient-Reported Functional Outcomes After Hallux Valgus Surgery | |
| | | | Elizabeth Cho, MD | Chicago, IL |
| | | | *Madison Balagtas, BS | Chicago, IL |
| | | | Levy Nathan | Chicago, IL |
| | | | Kamran S. Hamid, MD | Chicago, IL |
| | | | Adam P. Schiff, MD | Chicago, IL |
| | | | Michael S. Pinzur, MD | Chicago, IL |
| 12:36 PM | 12:45 PM | | FLOOR DISCUSSION | |

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| 12:45 PM | 1:45 PM | SpringWorks Therapeutics Sponsored Lunch/Presentation (<i>no CME offered</i>) BEACHSIDE |
| 1:45 PM | 2:45 PM | Instructional Course I <i>Structuring a Successful Resident Research Program in Orthopaedic Training</i> AZALEA B |
| | | Faculty Joseph Buckwalter V, MD, PhD Moderator Timothy S. Brown, MD Ignacio Garcia Fleury, MD Brian W. Sager, MD |
| 1:45 PM | 2:45 PM | Instructional Course II <i>Approaching the Dark Side of the Knee: Anatomy, Indication, Treatment and Rehabilitation of Injuries to the Posterolateral Corner of the Knee</i> AZALEA C |
| | | Faculty Derrick Knapik, MD Moderator Joseph Lamplot, MD Paul Inclan, MD Nicholas Trasolini, MD |
| 1:45 PM | 2:45 PM | Instructional Course III <i>Injuries, Hazards, and Risks Surgeons Face: How to Prepare, Protect, and Preserve Yourself in Today's OR</i> GRAND BALLROOM SOUTH |
| | | Faculty Alfonso Mejia, MD, MPH Moderator Steven Grindel, MD Mark Gonzalez, MD, PhD |
| 6:00 PM | 7:30 PM | Exhibitor Reception (<i>no CME offered</i>) |

FRIDAY, APRIL 17

6:00 AM 4:00 PM Registration Desk Open
Assembly Foyer

6:00 AM 3:00 PM Speaker Ready Room Open
Magnolia 1

6:45 AM 7:30 AM **E-POSTER SESSIONS 5-8**

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|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| LOCATION: | AZALEA C | AZALEA A | AZALEA B | AZALEA DEF |
| | Poster Session #5 | Poster Session #6 | Poster Session #7 | Poster Session #8 |
| | Knee Arthroplasty | Shoulder & Elbow | Sports/Arthroscopy | Foot & Ankle |

SECOND PLENARY SESSION

ROOM: GRAND BALLROOM SOUTH

MODERATOR: **Matthew A. Mormino, MD**
Omaha, NE

7:45 AM 7:50 AM Assemble/Announcements

7:51 AM 8:21 AM **Symposium II**
Shoulder: Cradle to Grave

Matthew J. Teusink, MD | Moderator
Omaha, NE

Nicholas H. Maassen, MD
Chicago, IL

Michael Cusick, MD
Houston, TX

8:22 AM 8:52 AM **PRESIDENTIAL GUEST SPEAKER**
Articular Fractures – Can We Improve the Outcome?

J. Lawrence Marsh, MD
Iowa City, IA

8:53 AM 9:23 AM Ask the Expert & Open Case Discussions
Intramedullary Nail Fixation for Short-Segment Fracture

Moderator Christopher M. McAndrew, MD | St. Louis, MO
Faculty Steven M. Cherney, MD | Milwaukee, WI

9:24 AM 9:54 AM **CLASSICS IN ORTHOPAEDICS**
What Have We Learned from MARS

Rick Wright, MD
Nashville, TN

9:55 AM 10:05 AM ABOS Update 2026 *(no CME offered)*

Brian R. Wolf, MD
Iowa City, IA

10:05 AM 10:35 AM **Coffee Break in Exhibit Hall**
Grand Ballroom North

**BREAKOUT SESSION #6
HIP ARTHROPLASTY**

ROOM: GRAND BALLROOM SOUTH

CO-MODERATOR: **Elizabeth Klag, MD**
Ann Arbor, MI

CO-MODERATOR: **David C. Markel, MD**
Novi, MI

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| 10:35 AM | 10:40 AM | 70 | The Management of Synchronous Periprosthetic Hip and Knee Joint Infection: High Rates of Re-Infection and Re-Operation Alexander J. Acuña, MD Chicago, IL *Enrico M. Forlenza, MD Chicago, IL Ajay Potluri, BS Chicago, IL Conor M. Jones, MD Chicago, IL Bailey Terhune, MD Chicago, IL Craig J. Della Valle MD Chicago, IL |
| 10:41 AM | 10:46 AM | 71 | Patient Reported Outcomes Measures Collection Method by Timeframe: Different Strategies for Different Times Bryan O. Ren, MD Ann Arbor, MI Qi Zhu, MS Ann Arbor, MI Joe Brooks, MBA-HC Ann Arbor, MI Tae Kim, MHSA Ann Arbor, MI *Elizabeth A. Dailey, MD Ann Arbor, MI Brian R. Hallstrom, MD Ann Arbor, MI |
| 10:47 AM | 10:52 AM | 72 | Mechanical Complications Occur in Over 15% of THA Spacers in Two-Stage Exchange for PJI *Blake Padgett Rochester, MN Adrián E. González-Bravo, BS Rochester, MN Moein Bonakdarhashemi, MD Rochester, MN Tad M. Mabry, MD Rochester, MN Nicholas A. Bedard, MD Rochester, MN Matthew P. Abdel, MD Rochester, MN Charles P. Hannon, MD, MBA Rochester, MN |
| 10:53 AM | 10:58 AM | 73 | A Comparison Study Between One-Stage and Two-Stage Debridement, Antibiotics and Implant Retention (Dair) in Treating Acute Prosthetic Joint Infection in Total Hip Arthroplasty Nuanqiu Hou Memphis, TN John R. Crockarell, MD Memphis, TN Marcus Ford, MD Dallas, TX James L. Guyton, MD Memphis, TN Marc J. Mihalko, MD Memphis, TN William M. Mihalko, MD, PhD Memphis, TN Christopher T. Holland, MD Memphis, TN *Stefan J. Hanish, MD Memphis, TN |
| 10:59 AM | 11:04 AM | FLOOR DISCUSSION | |

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| 11:05 AM | 11:10 AM | 74 | The Effect of Dual Mobility Articulations on Re-Revision after Revision for Dislocation Mazen Zamzam, BS Noah Hodson, MD Richard Hughes, PhD Qi Zhu, PhD Huiyong T. Zheng, PhD Brian Hallstrom, MD Michael Charters, MD *Noah Hodson, MD | Detroit, MI Detroit, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Detroit, MI Detroit, MI |
| 11:11 AM | 11:16 AM | 75 | Enhancing Preoperative Planning in Total Hip Arthroplasty with Machine Learning - Driven Risk Models Jayalakshmi Jain MS Jibreel Hussain MBA Nezar Abunnur BS Apurva Choubey MD Esa Syed, BS Malyika Hussain BS Yasser R. Farid MD PhD Mark H. Gonzalez MD PhD *Cecil K. Babul | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 11:17 AM | 11:22 AM | 76 | Alarming High Rates of Complications and Re-Fracture Among Patients with Early Periprosthetic Fracture within 30-Days of Total Hip Arthroplasty *Alexander J. Acuña, MD Enrico M. Forlenza, MD Conor M. Jones, MD E. Bailey Terhune, MD Craig J. Della Valle, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 11:23 AM | 11:28 AM | 77 | Total Hip Arthroplasty in the Adolescent and Young Adult Patient: A Retrospective Review *Mateo J. Kirwan, MD Nuanqiu X. Hou, MS John R. Crockarell, MD James L. Guyton, MD Christopher T. Holland, MD, MS William M. Mihalko, MD, Ph.D. | Memphis, TN Memphis, TN Memphis, TN Memphis, TN Memphis, TN Memphis, TN |
| 11:29 AM | 11:34 AM | 78 | Incidence of Early Peri-Prosthetic Hip Fractures in Patients Over Age 70 Following Primary THA Using a Novel Triple-Tapered Collared Femoral Stem: A Multi-Center Study *Nolan Sledge Smith, MD Arthur L. Malkani Jeremy M. Gililand, MD Geoffrey H. Westrich, MD Karlos Zepeda, DO, MS Abid Khan, BS Andrew Grimm, BS Preston Willey, BS Nikhil Vallabhaneni Seth A. Jerabek, MD | Louisville, KY Louisville, KY Salt Lake City, UT New York, NY New York, NY Louisville, KY Louisville, KY Salt Lake City, UT Salt Lake City, UT New York, NY |

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| 11:35 AM | 11:40 AM | FLOOR DISCUSSION | |
| 11:41 AM | 11:46 AM | SPOTLIGHT LECTURE | |
| | | <i>The Impact of BMI on the Risk of Post-Op 90-Day Infection Differs Between Primary THA and TKA in a Statewide Registry</i> | |
| | | David C. Markel, MD | |
| | | Novi, MI | |
| 11:47 AM | 11:52 AM | 79 | Dislocation after Primary THA Declined 30% in 25 Years, But Risk of Revision May Be Rising |
| | | | Bailey R. MacInnis, MD Rochester, MN |
| | | | *Audrey C. Bankes, MS Rochester, MN |
| | | | Jessica A. Grimm, MS Rochester, MN |
| | | | Michael J. Taunton, MD Rochester, MN |
| | | | Rafael J. Sierra, MD Rochester, MN |
| | | | Nicholas A. Bedard, MD Rochester, MN |
| | | | Matthew P. Abdel, MD Rochester, MN |
| | | | Charles P. Hannon, MD, MBA Rochester, MN |
| 11:53 AM | 11:58 AM | 80 | Preoperative Contralateral Joint Pain and/or Back Pain Are Associated with Worse Baseline PROMs and Failing to Achieve the 22-Point Substantial Clinical Benefit for HOOS-JR After THA: Implications for the New CMS PROMs Policy |
| | | | *Samantha Panish, MD Cleveland, OH |
| | | | Khaled A Elmenawi Cleveland, OH |
| | | | Shujaa T. Khan, MD Cleveland, OH |
| | | | Shlok Patel MD Cleveland, OH |
| | | | Trevor G. Murray, MD Cleveland, OH |
| | | | John P. Mclaughlin, DO Cleveland, OH |
| | | | Nicolas S. PiuZZi, MD Cleveland, OH |
| 11:59 AM | 12:04 PM | 81 | Evaluation of CO₂ Levels in a Surgical Helmet System used in Arthroplasty Surgery in Orthopedic Surgery |
| | | | *Abigail J. Bardwell, MD Rochester, MN |
| | | | Michael J. Taunton, MD Rochester, MN |
| | | | Charles P. Hannon, MD, MBA Rochester, MN |
| 12:05 PM | 12:10 PM | 82 | Fifty Years of Progress: Trends in Survivorship and Failure Mechanisms in Over 42,000 Primary THAs |
| | | | *Bailey R. MacInnis, MD Rochester, MN |
| | | | Adrian Gonzales Bravo, MS Rochester, MN |
| | | | Michael J. Taunton, MD Rochester, MN |
| | | | Nicholas A. Bedard, MD Rochester, MN |
| | | | Daniel J. Berry, MD Rochester, MN |
| | | | Matthew P. Abdel, MD Rochester, MN |
| | | | Charles P. Hannon, MD, MBA Rochester, MN |
| 12:11 PM | 12:16 PM | FLOOR DISCUSSION | |

**BREAKOUT SESSION #7
SHOULDER & ELBOW**

ROOM: BEACHSIDE

CO-MODERATOR: **Nicholas G. Garbis, MD**
Maywood, IL

CO-MODERATOR: **Julie Y. Bishop, MD**
Columbus, OH

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| 10:35 AM | 10:40 AM | 83 | <p>Outcomes of Primary vs. Revision Latarjet in Contact Athletes</p> <p>*Anna M. Osborne, BS Columbus, OH Gregory L. Cvetanovich, MD Columbus, OH Shannon Ortiz, MPH Iowa City, IA Carolyn M. Hettrich, MD, MPH Iowa City, IA Brian R. Wolf, MD, MS Iowa City, IA MOON Shoulder Group Iowa City, IA Julie Y. Bishop, MD Columbus, OH</p> |
| 10:41 AM | 10:46 AM | 84 | <p>Characterizing Periostin Expression in A Rat Model of Anterior Shoulder Instability</p> <p>*Aaron M. Blom, BS Iowa City, IA James V. Nepola, MD Iowa City, IA Brendan M. Patterson, MD, MPH Iowa City, IA Mitchell Coleman, PhD Iowa City, IA Douglas Fredericks Iowa City, IA Joseph W. Galvin, DO Iowa City, IA</p> |
| 10:47 AM | 10:52 AM | 85 | <p>Long Term Outcomes of Achilles Tendon Allograft Reconstruction for Chronic Ruptures of the Distal Biceps Tendon Using a Two-Incision Surgical Technique</p> <p>*Amanda S. Vazquez-Lloret, MS Rochester, MN Joaquin Sanchez-Sotelo, MD, PhD Rochester, MN Shawn O'Driscoll, MD Rochester, MN Mark E. Morrey, MD Rochester, MN</p> |
| 10:53 AM | 10:58 AM | 86 | <p>Management of the Subscapularis Tendon and Coracoid Fixation Strategies in the Open Latarjet Procedure: A Moon Study</p> <p>*Cara L. Arrasmith, BS Iowa City, IA Richard VanTienderen, DO Iowa City, IA Julie Y. Bishop, MD Columbus, OH Carolyn M. Hettrich, MD, MPH Watertown, NY Shannon Ortiz, MPH Iowa City IA MOON Shoulder Group Iowa City IA Brian R. Wolf, MD, MS Iowa City IA</p> |
| 10:59 AM | 11:04 AM | FLOOR DISCUSSION | |

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| 11:05 AM | 11:10 AM | 87 | Dorsal Radial Head Subluxation Following Lateral Ulnar Collateral Ligament Repair for Elbow Trauma | |
| | | | Megan L. Anderson, BA | Rochester, MN |
| | | | *Sophia Mavrommatis, MD | Rochester, MN |
| | | | Christian S. Rosenow, MD | Rochester, MN |
| | | | Micah J. Nieboer, MD | Rochester, MN |
| | | | Katrina A. Pfaffenbach, BA, BS | Rochester, MN |
| | | | Jonathan D. Barlow, MD | Rochester, MN |
| | | | Krystin A. Hidden, MD | Rochester, MN |
| | | | Brandon J Yuan, MD | Rochester, MN |
| 11:11 AM | 11:16 AM | 88 | A Cost - Effectiveness Analysis of Proximal Humerus Fracture Treatments in Older Adults | |
| | | | Chase Burzynski, BS | Boca Raton, FL |
| | | | Matthew T. McKinley, MBA | Boca Raton, FL |
| | | | *Aghdas Movassaghi, BS | Grand Rapids, MI |
| | | | Jocelyn Lubert, MD | Atlantis, FL |
| | | | Evan R. Sidebotham | Middleville, MI |
| 11:17 AM | 11:22 AM | 89 | Outcomes of Operative Management of Isolated Greater Tuberosity Fractures | |
| | | | Megan L. Anderson, BA | Rochester, MN |
| | | | Christian S. Rosenow, MD | Rochester, MN |
| | | | Samuel S. Rudisill, MD | Rochester, MN |
| | | | Daniel Z. You, MD | Rochester, MN |
| | | | Brandon J. Yuan, MD | Rochester, MN |
| | | | John W. Sperling, MD | Rochester, MN |
| | | | Jonathan D. Barlow, MD | Rochester, MN |
| | | | Mark E. Morrey, MD | Rochester, MN |
| | | | Joaquin Sanchez-Sotelo, MD, PhD | Rochester, MN |
| | | | Jennifer Tangtiphaiboontana, MD | Rochester, MN |
| | | | *Victoria Oladipo, MD | Rochester, MN |
| 11:23 AM | 11:28 AM | 90 | Outcomes of Postoperative Periprosthetic Fractures after Reverse Shoulder Arthroplasty | |
| | | | Megan L. Anderson, BA | Rochester, MN |
| | | | *Christian S Rosenow, MD | Rochester, MN |
| | | | Daniel Z. You, MD | Rochester, MN |
| | | | Christopher Hart, MD | Rochester, MN |
| | | | Mark E. Morrey, MD | Rochester, MN |
| | | | Jonathan D. Barlow, MD | Rochester, MN |
| | | | John W. Sperling, MD | Rochester, MN |
| | | | Joaquin Sanchez-Sotelo, MD, PhD | Rochester, MN |
| | | | Jennifer Tangtiphaiboontana, MD | Rochester, MN |

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| 11:29 AM | 11:34 AM | 91 | Operative Management of Radial Ulnohumeral Ligament Complex Insufficiency for Posterolateral Rotatory Instability in Females Results in Favorable Clinical Outcomes in Both Primary and Revision Elbows at A Mean 6-Year Follow-Up | Nicholas O. Gerard III, MD Zachary T. Ramsey, BA Austin J. Ross, MD Mary K. Mulcahey, MD Michael J. O'Brien, MD Felix H. Savoie III, MD *Sean C. Clark, MD | Mobile, AL New Orleans, LA New Orleans, LA Western Springs, IL New Orleans, LA New Orleans, LA Rochester, MN |
| 11:35 AM | 11:40 AM | | FLOOR DISCUSSION | | |
| 11:41 AM | 11:46 AM | | SPOTLIGHT LECTURE | | |
| | | | <i>Subscapularis Management During Total Shoulder Replacement</i> | | |
| | | | Nicholas G. Garbis, MD | | |
| | | | Maywood, IL | | |
| 11:47 AM | 11:52 AM | 92 | Outcomes of Inlay vs Onlay Technique for Operative Management of Distal Biceps Tendon Rupture | Steven M. Leary, MD Maria F. Bozoghlian, MD Austin Benson, MD Kyle R. Duchman, MD Robert W. Westermann, MD Brendan M. Patterson, MD, MPH Joseph A. Buckwalter V, MD, PhD Brian R. Wolf, MD, MS *Joseph W. Galvin, DO | Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA |
| 11:53 AM | 11:58 AM | 93 | Postoperative Outcomes Following Single and Multiple Revision Surgeries in Recurrent Shoulder Instability | *Bryce C. Johnson, BS Brent Henderson, BA Benjamin Brej, BS George Matta, BA Erryk Katayama, BA Louis Barry, BS Gregory Cvetanovich, MD Julie Bishop, MD Grant Jones, MD Ryan Rauck, MD | Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH |

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| 11:59 AM | 12:04 PM | 94 | Strong Correlation of PROMIS Upper Extremity and Shoulder Arthroplasty Smart Score to Legacy Measures in Shoulder Arthroplasty Patients | |
| | | | Johnny Kasto, MD | Detroit, MI |
| | | | Kai Zhu, BS | Detroit, MI |
| | | | Chimdi Obinero, BS | Detroit, MI |
| | | | Wura Adegbite, BA | Detroit, MI |
| | | | Anton Khlopas, MD | Detroit, MI |
| | | | Mahdi Mazeah, BS | Detroit, MI |
| | | | Jared Mahylis, MD | Detroit, MI |
| | | | Stephanie Muh, MD | Detroit, MI |
| | | | *Drew Dalby | Detroit, MI |
| 12:05 PM | 12:10 PM | 95 | Comparable Surgical Outcomes in Younger and Older Patients Undergoing Primary Shoulder Stabilization Surgery: A Retrospective Review | |
| | | | Benjamin L. Brej | Columbus, OH |
| | | | *Elijah Barnard | Columbus, OH |
| | | | Anna Osborne | Columbus, OH |
| | | | Brent Henderson | Columbus, OH |
| | | | George Matta | Columbus, OH |
| | | | Collin Todd | Columbus, OH |
| | | | Gregory Cvetanovich, MD | Columbus, OH |
| 12:11 PM | 12:16 PM | | FLOOR DISCUSSION | |

**BREAKOUT SESSION #8
SPINE**

ROOM: AZALEA DEF

CO-MODERATOR: **Joshua M. Eisenberg, MD**
Iowa City, IA

CO-MODERATOR: **Catherine Olinger, MD**
Iowa City, IA

- | | | | |
|----------|----------|-------------------------|--|
| 10:35 AM | 10:40 AM | 96 | <p>Intraoperative Neuromonitoring in Transforaminal Lumbar Interbody Fusion Increases Costs without Protecting Against Adverse Outcomes in A Propensity Score Matched National Sample</p> <p>Austin R. Chen, BS Chicago, IL Mark A. Plantz, MD Chicago, IL Daniel E. Herrera, BS Chicago, IL Parth Desai, MD Chicago, IL Kranti Rumalla, BS Chicago, IL Jason Tegethoff, MD Chicago, IL Patrick England, MD Chicago, IL Wellington K. Hsu, MD Chicago, IL Alpesh A. Patel, MD, MBA Chicago, IL Srikanth N. Divi, MD Chicago, IL *Tyler M. Compton, MD Chicago, IL</p> |
| 10:41 AM | 10:46 AM | 97 | <p>Complication Rates in Spinal Fusion Patients with A History of Bariatric Surgery Compared with Age, Body Mass Index (BMI) and Sex-Matched Controls</p> <p>Janielle Cobler Iowa City, IA *Reagan Grieser-Yoder Iowa City, IA Natalie Glass Iowa City, IA Catherine Olinger Iowa City, IA</p> |
| 10:47 AM | 10:52 AM | 98 | <p>Outcomes in Patients with Parkinson's Disease Following Cervical Spinal Fusion: A Matched Cohort Study</p> <p>*Tyler Allen, MD Rochester, MN Hannah Levy, MD Rochester, MN Andrew Pumford Rochester, MN Brian Kelley Rochester, MN Abdelrahman Hamouda Rochester, MN Brett Freedman, MD Rochester, MN Ahmad Nassr, MD Rochester, MN Arjun Sebastian, MD Rochester, MN</p> |
| 10:53 AM | 10:58 AM | 99 | <p>Lordotic Restoration - Analysis of Outcomes in TLIF Device Constructs</p> <p>Zuhair Mohammed, MD Birmingham, AL Sean E. Taylor, MS Birmingham, AL Saurabh Rawall, MBBS Birmingham, AL Hesham Tanbour, BS Birmingham, AL *Harrison Massie, MS Birmingham, AL</p> |
| 10:59 AM | 11:04 AM | FLOOR DISCUSSION | |

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|----------|----------|--|--|--|
| 11:05 AM | 11:10 AM | 100 | The Impact of GLP-1 Agonist use Prior to Lumbar Spine Surgery on Patient Outcomes and Complication Rates *Bradley Lambert, PhD Zachary Diltz, MD Andrei Demkov, BS Comron Saifi, MD Shari Liberman, MD Mark Presarn, MD | Houston, TX Houston, TX Houston, TX Houston, TX Houston, TX Houston, TX |
| 11:11 AM | 11:16 AM | 101 | Subclinical Infections in Revision Spine Surgery for Thoracolumbar Hardware Failure: Advances Using Next-Generation Sequencing Zuhair Mohammed, MD Sean E. Taylor, MS Saurabh Rawall, MBBS Kyle Cichos, PhD Steven Theiss, MD *Hesham Tanbour, BS | Birmingham, AL Birmingham, AL Birmingham, AL Columbus, GA Birmingham, AL Birmingham, AL |
| 11:17 AM | 11:22 AM | 102 | Short-Term Improvements in Interlaminar Compared to Sublaminar Post-Operative PROMIS Outcomes Joseph Cavataio, MD Nadeed Sadique Ali Mehadli, MD Kevin Taliaferro *Michael Brown, MD | New Orleans, LA Detroit, MI Detroit, MI Detroit, MI Detroit, MI |
| 11:23 AM | 11:28 AM | 103 | Order Matters: How Surgical Sequence Affects Revision Rates for Patients Undergoing Total Hip Arthroplasty and Lumbar Fusion Cade F. Bennett, BA Austin R. Chen, BS Jason D. Tegethoff, MD Parth N. Desai, MD Mark A. Plantz, MD *Tyler M. Compton, MD Adam I. Edelstein, MD Wellington K. Hsu, MD Alpesh A. Patel, MD Srikanth N. Divi, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 11:29 AM | 11:34 AM | 104 | Meta-Analysis of Clinical Outcomes: Ti-Peek Vs. Titanium in Degenerative Lumbar TLIF Jiayong Liu, MD Thomas J. Cho *Youngmin Yu | Toledo, OH Toledo, OH Toledo, OH |
| 11:35 AM | 11:40 AM | FLOOR DISCUSSION | | |
| 11:41 AM | 11:46 AM | SPOTLIGHT LECTURE <i>Tips and Tricks of Upper Cervical Fixation</i> Catherine Olinger, MD Iowa City, IA | | |

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|----------|----------|-------------------------|--|---|---|
| 11:47 AM | 11:52 AM | 105 | Preoperative Malnutrition Is Associated With Increased Postoperative Complications Following Lumbar Fusion: A Propensity-Matched Analysis | Muaaz Wajahath Jad Lawand, MD Noah Hodson, MD Abdullah Ghali Lorenzo Deveza *Ali Mehaidli | Detroit MI Dallas, TX Detroit, MI Dallas, TX Houston, TX Detroit, MI |
| 11:53 AM | 11:58 AM | 106 | Primary Unilateral Sacroiliac Joint Fusion Utilizing a Principles-Based Approach: Patient-Reported Outcomes at 2-Year Follow-Up | Megan L. Anderson, BA Meera M. Dhodapkar, MD, MHS Katrina A. Pfaffenbach, BA, BS Nicholas G. Rhodes, MD *Michelle Hung, PA-C William W. Cross III, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 11:59 AM | 12:04 PM | 107 | Transforming Spinal Health: AI-Powered 3D CT Diagnosis for Automated Vertebral Fracture Detection | *Farid Amirouche, PhD Omar A. Abdelaziz, BS Niharika Belavadi Shekar, MSc Majd Mzeihem, MD Dustin H. Massel, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 12:05 PM | 12:10 PM | 108 | Pre-Operative Eosq-24 Scores are Worsening Over Time | *Rayyan Abid, BA Michael P. Glotzbecker Sumeet Garg, MD Benjamin D. Roye, MD Mark A. Erickson Christina K. Hardesty, MD Pediatric Spine Study Group | Cleveland, OH Cleveland, OH Aurora, CO New York, NY Aurora, CO Cleveland, OH Valley Forge, PA |
| 12:11 PM | 12:16 PM | FLOOR DISCUSSION | | | |

**BREAKOUT SESSION #9
YOUNG ADULT HIP/ARTHROSCOPY**

ROOM: AZALEA C

CO-MODERATOR: **Matthew Hartwell, MD**
Ann Arbor, MI

CO-MODERATOR: **Scott Mullen, MD**
Leawood, KS

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|----------|----------|-----|---|-------------------|
| 10:35 AM | 10:40 AM | 109 | Foot Injuries in the National Basketball Association, 2020-2021 Through 2024-2025 | |
| | | | Simon P. Lalehzarian, MD, MHA, MS | Birmingham, AL |
| | | | Garrett Jebeles, BS | Birmingham, AL |
| | | | *Marc D. Dunwody, BS | Birmingham, AL |
| | | | LaMiah Hall, MD MPH | Birmingham, AL |
| | | | Tyler Kelly, MD | Birmingham, AL |
| | | | Payal Gupta, MBBS | Birmingham, AL |
| | | | Binam Shrestha, MBBS | Birmingham, AL |
| | | | Apurv Gabrani, MD | Birmingham, AL |
| | | | Ashish B. Shah, MD, FAOA, FAAOS | Birmingham, AL |
| 10:41 AM | 10:46 AM | 110 | Efficacy of Ketorolac for Postoperative Pain Management in Hip Arthroscopy: A Preliminary Analysis of a Prospective Randomized Controlled Trial | |
| | | | Michael A. Gaudiani, MD | Detroit, MI |
| | | | Jhamal Wallace, BS | Detroit, MI |
| | | | Nadeed Sadique, BS | Detroit, MI |
| | | | Michael Peters, PA | Detroit, MI |
| | | | T. Sean Lynch, MD | Detroit, MI |
| | | | *Sarah Carey, MD | Detroit, MI |
| 10:47 AM | 10:52 AM | 111 | Combined Periacetabular Osteotomy and Hip Arthroscopy may Increase Return to Sport in Patients with Hip Dysplasia as Compared to Arthroscopy or Periacetabular Osteotomy Alone | |
| | | | Marsalis Brown, MD | Cleveland, OH |
| | | | Robert Wetzel, MD | Cleveland, OH |
| | | | Michael Salata, MD | Cleveland, OH |
| | | | *Zachariah G. Whiting, MD | Cleveland, OH |
| 10:53 AM | 10:58 AM | 112 | Psychological Distress and Depression Improves after Surgical Treatment of Hip Conditions in Adolescents and Young Adults | |
| | | | Taylor M. Murray, MHA | North Liberty, IA |
| | | | Aaron M. Blom, BS | Iowa City, IA |
| | | | Joshua Hockman | Los Angeles, CA |
| | | | Ashley S. Kochuyt, BS | Iowa City, IA |
| | | | Yumeng Gao, MS | Iowa City, IA |
| | | | *Courtney J. Seffker, PA-C | Iowa City, IA |
| | | | Natalie A. Glass, PhD | Iowa City, IA |
| | | | Jenna E. Jensen, RN, BSN | Iowa City, IA |
| | | | Robert Westermann, MD | Iowa City, IA |
| | | | Michael C. Willey, MD | Iowa City, IA |
| 10:59 AM | 11:04 AM | | FLOOR DISCUSSION | |

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|----------|----------|-----|---|------------------|
| 11:05 AM | 11:10 AM | 113 | Long-Term Outcomes and Return to Play after Hip Arthroscopy for Fai in Football Players: A Mean 9.8-Year Follow-Up | |
| | | | *Jacob J. Schaefer, MD | Rochester, MN |
| | | | Nathan R. Graden, MD | Rochester, MN |
| | | | Louis S. Kang, BS | Rochester, MN |
| | | | Gavin H. Ward, BA | Rochester, MN |
| | | | Rakan Alshaibi, BS | Rochester, MN |
| | | | John J. Kelly, MD | Rochester, MN |
| | | | Bruce A. Levy, MD | Orlando, FL |
| | | | Mario Hevesi, MD, PhD | Rochester, MN |
| | | | Aaron J. Krych, MD | Rochester, MN |
| | | | Kelechi R. Okoroha, MD | Rochester, MN |
| 11:11 AM | 11:16 AM | 114 | Surgical Management of Arthrofibrosis Following ACL Reconstruction Can Reliably Improve Range of Motion Regardless of Time to Intervention | |
| | | | Christopher A. Schneble, MD | Philadelphia, PA |
| | | | Benjamin Miltenberg, MD | Philadelphia, PA |
| | | | *Kevin Jurgensmeier, MD | Rochester, MN |
| | | | Adam J. Tagliero, MD | Rochester, MN |
| | | | Kevin B. Freedman, MD | Philadelphia, PA |
| | | | Aaron J. Krych | Rochester, MN |
| | | | Steven B. Cohen, MD | Philadelphia, PA |
| 11:17 AM | 11:22 AM | 115 | Settling In: Postoperative Changes in Medialization and Lateral Acetabular Coverage Following Periacetabular Osteotomy | |
| | | | Austen L. Thompson, MD, PhD | Rochester, MN |
| | | | Joseph A. Panos, MD, PhD | Rochester, MN |
| | | | Louis S. Kang, BS | Rochester, MN |
| | | | *Emma E. Helgeson, BS | Rochester, MN |
| | | | Sandeep Yanamala, BA | Rochester, MN |
| | | | Rakan Alshaibi, BS | Rochester, MN |
| | | | Jacob D. Mikula, MD | Rochester, MN |
| | | | Robert T. Trousdale, MD | Rochester, MN |
| | | | Emmanouil Grigoriou, MD | Rochester, MN |
| | | | Rafael J. Sierra, MD | Rochester, MN |
| | | | Mario Hevesi, MD, PhD | Rochester, MN |
| 11:23 AM | 11:28 AM | 116 | Does Prior Hip Arthroscopy Lead to Inferior Outcomes after Total Hip Arthroplasty? A Propensity-Matched Study | |
| | | | Brandon Cabarcas, MD | Rochester, MN |
| | | | Louis S. Kang, BS | Rochester, MN |
| | | | Sanathan Iyer, MS | Rochester, MN |
| | | | Sandeep Yanamala, BA | Rochester, MN |
| | | | Rakan Alshaibi, BS | Rochester, MN |
| | | | John J. Kelly, MD | Rochester, MN |
| | | | Aaron J. Krych, MD | Rochester, MN |
| | | | Rafael J. Sierra, MD | Rochester, MN |
| | | | Michael J. Taunton, MD | Rochester, MN |
| | | | Mario Hevesi, MD, PhD | Rochester, MN |
| | | | *Jan Eric Rohdenburg, BS | Rochester, MN |

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| 11:29 AM | 11:34 AM | 117 | Objective Assessment Functional Recovery after Hip Preservation Surgery: Use of a Novel Cell-Phone Application to Collect Gait Metrics *John C. Wheelwright, MD Aaron M. Blom, BS Taylor M. Murray, MHA Ashley Kochuyt Yumeng Gao, MS Michael C. Willey, MD | Iowa City, IA Iowa City, IA North Liberty, IA Iowa City, IA Iowa City, IA Iowa City, IA |
| 11:35 AM | 11:40 AM | | FLOOR DISCUSSION | |
| 11:41 AM | 11:46 AM | | SPOTLIGHT LECTURE <i>Tips and Tricks for Safe Access in Hip Arthroscopy</i> | |
| | | | Scott Mullen, MD Leawood, KS | |
| 11:47 AM | 11:52 AM | 118 | Athletic Performance at the National Football League Scouting Combine after Arthroscopic Meniscus Surgery Alexander Ziedas, MD Michael D. Dubé, MD Noah Elagamy, MD *Nadeed Sadique, BS Momin Nasir, MD Mitchell Doerr, MA, MD Todd Frush, MD | Southfield, MI Southfield, MI Southfield, MI Southfield, MI Southfield, MI Southfield, MI Novi, MI |
| 11:53 AM | 11:58 AM | 119 | Return to Hockey after Hip Arthroscopic Labral Repair at Minimum 5-Year Follow-Up Kelechi R. Okoroha, MD Gavin H. Ward, BA *Sandeep R. Yanamala, BA Jason Ina, MD Sanathan Iyer, MS Bruce A. Levy, MD Aaron J. Krych, MD Mario Hevesi, MD, PhD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 11:59 AM | 12:04 PM | 120 | 96% of Elite Athletes Return to Preinjury Level of Sport Following Arthroscopic Hip Surgery: A Single Center Study *Ravi A. Patel, BA Hunter S. Angileri, MD Michael A. Terry, MD Vehniah K. Tjong, MD | Chicago, IL New York, NY Chicago, IL Chicago, IL |
| 12:05 PM | 12:10 PM | 121 | How to Minimize Complications During and after Periacetabular Osteotomy: Lessons Learned from Over 700 Patients With and Without Concomitant Hip Arthroscopy *Diego J. Restrepo, MD Ta-Wei Tai, MD Ph.D Adrian E. Gonzalez-Bravo, BS Sergio F. Guarin Perez, MD Rafael J. Sierra, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 12:11 PM | 12:16 PM | | FLOOR DISCUSSION | |

**BREAKOUT SESSION #10
HAND & WRIST**

ROOM: AZALEA B

CO-MODERATOR: **Alfonso Mejia, MD, MPH**
Chicago, IL

CO-MODERATOR: **Lauren E. Tagliero, MD**
Rochester, MN

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|----------|----------|-------------------------|--|--|
| 10:35 AM | 10:40 AM | 122 | Long-Term Functional Outcomes Following Tendon Transfers for Brachial Plexus Birth Injuries *Lainey G. Bukowiec, MD Emil Varas-Rodriguez, MPH Nicholas Pulos, MD | Rochester, MN Rochester, MN Rochester, MN |
| 10:41 AM | 10:46 AM | 123 | Novel Telemedicine System for Management of Statewide Hand Trauma Decreases Ems Transfer Rate *Katherine J. Montoya, MD Amy G. Schexnayder, BS Theresa O. Wyrick, MD Austin Porter, DrPH, MPH | Little Rock, AR Little Rock, AR Little Rock, AR Little Rock, AR |
| 10:47 AM | 10:52 AM | 124 | Midcarpal Stability Persists with \leq 33% Distal Scaphoid Resection: A 3D Computational Analysis Kyleen Jan, MD *Eric J. Gullborg, MS Adegboyega Thompson Mattin Moazzam Alejandro Espinoza Orias, PhD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 10:53 AM | 10:58 AM | 125 | Hand Surgery Resident Knowledge Assessment: Cross-Specialty Comparison of In-Service Training Exam Content in Orthopedic and Plastic Surgery *Alexander Lee, MD Amogh I. Iyer, BSE Benjamin Sarac, MD Azeem Tariq Malik, MBBS | Columbus, OH Columbus, OH Columbus, OH Columbus, OH |
| 10:59 AM | 11:04 AM | FLOOR DISCUSSION | | |
| 11:05 AM | 11:10 AM | 126 | Ulnar Nerve Cross-Sectional area and Dynamic Instability on Ultrasound are Independent Predictors of Surgery in Cubital Tunnel Syndrome *Terry L. Hayes, MMS Ignacio Garcia Fleury, MD Jeremy Abolade, MD Joseph A. Buckwalter V, MD, PhD | Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA |

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|----------|----------|-----|---|----------------|
| 11:11 AM | 11:16 AM | 127 | Selective Denervation with Autologous Fat Transplantation for the Treatment of Thumb Carpometacarpal Joint Osteoarthritis | |
| | | | Charles P. Nolte, BS | Denver, CO |
| | | | Ross Moseley, BS | Denver, CO |
| | | | Anna Lee, MD | Denver, CO |
| | | | Carson Keeter, MS | Denver, CO |
| | | | Louis W. Catalano III, MD | Denver, CO |
| | | | *Matthew Belton, MD | Denver, CO |
| 11:17 AM | 11:22 AM | 128 | Comparison of Intramedullary Screw vs. Dorsal Plate Fixation for Metacarpal Base Fractures: A Cadaveric Biomechanical Study | |
| | | | Majd Mzeihem, MD | Chicago, IL |
| | | | Dmitriy Peresada, MD | Chicago, IL |
| | | | Yeseop Park, PhD | Chicago, IL |
| | | | *Jiries Fakhouri, BS | Chicago, IL |
| | | | Danil Rybalko, MD | Chicago, IL |
| | | | Mark Gonzalez, MD, PhD | Chicago, IL |
| | | | Farid Amirouche, PhD | Chicago, IL |
| 11:23 AM | 11:28 AM | 129 | Tobacco use and Non-Tobacco Nicotine Dependence in Operatively Treated Scaphoid Fractures: A Propensity-Matched Cohort Study | |
| | | | Logan M. Good, MD | Cleveland, OH |
| | | | Priya D. Raju, BS | Cleveland, OH |
| | | | Kira L. Smith, MD | Cleveland, OH |
| | | | Alexander N. Berk, MD | Cleveland, OH |
| | | | Robert J. Burkhart, MD | Cleveland, OH |
| | | | Jeremy M. Adelstein, MD | Cleveland, OH |
| | | | Kevin J. Malone, MD | Cleveland, OH |
| | | | Aaron Daluiski, MD | New York, NY |
| | | | Matthew V. Abola, MD | New York, NY |
| | | | *Nakul Narendran, MD | Cleveland, OH |
| 11:29 AM | 11:34 AM | 130 | Trends in Medicare Reimbursement and Utilization for Traumatic vs. Elective Orthopaedic Hand Procedures | |
| | | | *Adam Tickal | Birmingham, AL |
| | | | LaMiah Hall MD, MPH | Birmingham, AL |
| | | | Tyler Kelly, MD | Birmingham, AL |
| | | | Garrett Jebeles | Birmingham, AL |
| | | | Simon P. Lalehzarian, MD, MHA, MS | Birmingham, AL |
| | | | Jordan Myers | Birmingham, AL |
| | | | Payal Gupta | Birmingham, AL |
| | | | Binam Shrestha | Birmingham, AL |
| | | | Apurv Gabrani, MD | Birmingham, AL |
| | | | Fabio Pencle, MD | Birmingham, AL |
| | | | Isaiah Hoffman | Birmingham, AL |
| 11:35 AM | 11:40 AM | | FLOOR DISCUSSION | |
| 11:41 AM | 11:46 AM | | SPOTLIGHT LECTURE | |
| | | | <i>Diagnosing and Managing Subtle PIP Joint Fracture-Dislocations</i> | |
| | | | Alfonso Mejia, MD, MPH | |
| | | | Chicago, IL | |

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|----------|----------|-------------------------|--|--|
| 11:47 AM | 11:52 AM | 131 | <p>Understanding Overall Survival and Complication Rates following Total Elbow Arthroplasty: Does the Indication of Surgery Matter?</p> <p>Azeem Tariq Malik, MBBS *Alexander Lee, MD Amogh I. Iyer, BSE Talal Ibrahim, MBBS Jill Putnam, MD Hisham Awan, MD</p> | <p>Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH</p> |
| 11:53 AM | 11:58 AM | 132 | <p>Specialty-Based Differences in Medical Malpractice Across Hand Surgery: A Comparison Between Orthopedic and Plastic Surgery Trained Hand Surgeon Defendants</p> <p>*Haad A. Arif, MD Fatima Arif, MD Bilal Khilfeh, MD Emmi Deckard, BS Simon T. Moore, BS Christopher Lebrun</p> | <p>Birmingham, AL Philadelphia, PA Seattle, WA Riverside, CA Riverside, CA Riverside, CA</p> |
| 11:59 AM | 12:04 PM | 133 | <p>Scapholunate Reconstruction: An Adaptation to the Modified Brunelli Technique</p> <p>*Eric J. Gullborg, MS John J. Fernandez, MD Xavier C. Simcock, MD</p> | <p>Chicago, IL Chicago, IL Chicago, IL</p> |
| 12:05 PM | 12:10 PM | 134 | <p>Functional Upper Extremity Computed Tomography (FUEL CT) Reveals Persistent Joint Narrowing and Altered Kinematics after Distal Radius Fracture: Evidence of Load-Dependent Adaptation</p> <p>*Ignacio Garcia Fleury, MD Dominic J.L. Rivas Jessica E. Goetz Nicole A.D. Watson Joseph A. Buckwalter V, MD</p> | <p>North Liberty, IA North Liberty, IA North Liberty, IA North Liberty, IA North Liberty, IA</p> |
| 12:11 PM | 12:16 PM | FLOOR DISCUSSION | | |

BREAKOUT SESSION #11
INNOVATION/MEDICINE & PRACTICE MANAGEMENT

ROOM: AZALEA A

CO-MODERATOR: **Charles P. Hannon, MD, MBA**
Rochester, MN

CO-MODERATOR: **Adam J. Tagliero, MD**
Rochester, MN

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|----------|----------|-----|---|--|
| 10:35 AM | 10:40 AM | 135 | Arthroplasty Patients with Iodine-Related Allergies can Safely Receive Iodine-Based Products *Katherine E. Mallett, MD Josef E. Jolissaint, MD Andrew Thomson BS Matthew S. Austin, MD | Rochester, MN Charlotte, NC New York, NY New York, NY |
| 10:41 AM | 10:46 AM | 136 | Incidence of Metamizole-Induced Agranulocytosis: A Systematic Review of Post-2015 Publications *Joey E. Maksoud, BBA Michael Braman, BBmE Meghan Lemons, BA Laura Jackson, PhD, MS Lexy Farrington, BS Anne Patton, BS Taylen Hitchcock, BS, MS Kameron King, BS Collin Freking, BS Archie Heddings, MD | Wichita, KS Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, KS |
| 10:47 AM | 10:52 AM | 137 | Multi-Site Validation of OsteoSight: An Artificial Intelligence Tool for Opportunistic Detection of Low Bone Mineral Density Using Simple Radiographs William Dodd, MD, PhD John Connell, PhD Cat Kelly, DPhil William Briggs, MD, PhD Taylor M. Murray, MHA Lori Fitton, PhD, APRN, CNP, CCD, ONP-C *Michael C. Willey, MD | Iowa City, IA Holborn, London Holborn, London Holborn, London Iowa City, IA Iowa City, IA Iowa City, IA |
| 10:53 AM | 10:58 AM | 138 | Changes in Patellar Height Following Isolated Medial Patellofemoral Ligament Reconstruction *Luke G. Comisford, BS Parker Cavendish Eric Milliron Kyle Huntley David C. Flanigan, MD Christopher C. Kaeding, MD Tyler Barker Nicholas Apsehoff Robert Magnussen, MD | Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH |
| 10:59 AM | 11:04 AM | | FLOOR DISCUSSION | |

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|----------|----------|-----|---|--|--|
| 11:05 AM | 11:10 AM | 139 | A New Classification for Heterotopic Ossification Following Periacetabular Osteotomy with and without Concomitant Hip Arthroscopy | *Sergio F. Guarin Perez, MD Ta-Wei Tai, MD, PhD Diego J. Restrepo, MD Adrian E. Gonzalez-Bravo, BS Onur Hapa, MD Rafael J. Sierra, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Izmir, Turkey Rochester, MN |
| 11:11 AM | 11:16 AM | 140 | Safety of Antibiotic Impregnated Calcium Sulfate Beads in the Treatment of Hip and Knee Infection: A Retrospective Analysis | *Charalampos Lyssikatos, MD Mary Ziembra-Davis, BA Leonard T. Buller, MD | Indianapolis, IN Fishers, IN Indianapolis, IN |
| 11:17 AM | 11:22 AM | 141 | Preoperative Optimization in Total Joint Arthroplasty: A 5-Year Review | Adam English, CNP *Ryan Cady, MS John Reimer CNP Thomas Lewandowski PA-C Matthew Fleming PA-C Erik Severson, MD | Crosby, MN Crosby, MN Crosby, MN Crosby, MN Crosby, MN Crosby, MN |
| 11:23 AM | 11:28 AM | 142 | Burnout in Orthopedic Surgery: A Systematic Review and Meta-Analysis | *Michael W. Seward, MD Jack A. Koch, MD Charles P. Hannon, MD, MBA Peter C. Rhee, DO, MS Christopher L. Camp, MD Jonathan D. Barlow, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 11:29 AM | 11:34 AM | 143 | Optimizing Prom Response Rates: The Role of Survey Prompt Design | Allyson N. Pfeil, BS Joshua Taylor, BS Jeremiah Mekonnen, BS Drake G. LeBrun, MD *Corey F. Hryc, PhD | Houston, TX Houston, TX Houston, TX Houston, TX Houston, TX |
| 11:35 AM | 11:40 AM | | FLOOR DISCUSSION | | |
| 11:41 AM | 11:46 AM | | SPOTLIGHT LECTURE <i>Starting Practice – Tips for Success</i> | | |
| | | | Charlie P. Hannon, MD, MBA Rochester, MD | | |
| 11:47 AM | 11:52 AM | 144 | The High Prevalence of Spin Bias in Systematic Reviews and Meta-Analyses on Intra-Articular PRP Injections for Knee Osteoarthritis | *Genaro D. Fullano, MS, ATC Michael Greenstein Emma Klosterman, MD Matthew Hartwell, MD | Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI |
| 11:53 AM | 11:58 AM | 145 | Does A Relationship Exist Between Lumbar Movement Control, Pelvic Incidence, and Patient Reported Outcomes in Hip Pain Patients? A Prospective Pilot Study | | |

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| | | | Craig Mahoney, MD | Des Moines, IA |
| | | | Shannon Petersen, DScPT, OCS, FAAOMPT | West Des Moines, IA |
| | | | Alisa Drapeaux PhD, DPT, ATC | West Des Moines, IA |
| | | | *Shandhan Sureshababu, MS | West Des Moines, IA |
| 11:59 AM | 12:04 PM | 146 | Elective Orthopedic Procedure Cancellations within 24 Hours: Are They A Problem? | |
| | | | LaMiah Hall, MD | Birmingham, AL |
| | | | Marc Bernstein, MD | Birmingham, AL |
| | | | Garrett Jebeles | Birmingham, AL |
| | | | Ben Marquess | Birmingham, AL |
| | | | Simon P. Lalehzarian, MD, MHA, MS | Birmingham, AL |
| | | | Tyler Kelly, MD | Birmingham, AL |
| | | | Payal Gupta, MD | Birmingham, AL |
| | | | Binam Shrestha, MD | Birmingham, AL |
| | | | *Erdi Özdemir, MD | Birmingham, AL |
| 12:05 PM | 12:10 PM | 147 | Patient-Reported Outcome Compliance Across Orthopedic Subspecialties | |
| | | | Tyler Kelly, MD | Birmingham, AL |
| | | | Garrett Jebeles, BS | Birmingham, AL |
| | | | LaMiah Hall, MD, MPH | Birmingham, AL |
| | | | Simon P. Lalehzarian, MD, MHA, MS | Birmingham, AL |
| | | | Binam Shrestha, MBBS | Birmingham, AL |
| | | | Payal Gupta, MBBS | Birmingham, AL |
| | | | Jacob A Burke, MS | Birmingham, AL |
| | | | Marc Bernstein, MD | Birmingham, AL |
| | | | *Marc D. Dunwody, BS | Birmingham, AL |
| 12:11 PM | 12:16 PM | | FLOOR DISCUSSION | |
| 12:45 PM | 1:45 PM | | Company-Sponsored Lunch/Presentation <i>(no CME offered)</i> | |
| | | | BEACHSIDE | |
| 1:45 PM | 4:15 PM | | Foundation for Physician Advancement Presentation for Residents <i>(no CME offered)</i> | |
| | | | AZALEA C | |
| 6:30 PM | 7:30 PM | | STEEL MEMORIAL LECTURE <i>(no CME offered)</i> | |
| | | | GRAND BALLROOM SOUTH | |
| | | | MAOA Presidential “changing of the guard” Ceremony | |
| | | | Introduction of Steel Memorial Lecturer | |
| 6:40 PM | 7:30 PM | | STEEL MEMORIAL LECTURE <i>(no CME offered)</i> | |
| | | | <i>Keeping Collegiate Culture in a New Pro World</i> | |
| | | | Jan Jensen Iowa City, IA | |
| 7:30 PM | 10:00 PM | | FRIDAY DINNER | |

SATURDAY, APRIL 18

| | | | | | |
|---------|-----------|---|----------------------------|---------------------------|---------------------------|
| 6:00 AM | 1:00 PM | Registration Desk Open Assembly Foyer | | | |
| 6:00 AM | 12:00 PM | Speaker Ready Room Open Magnolia 1 | | | |
| 7:00 AM | 8:00 AM | E-POSTER SESSIONS 9 – 12 | | | |
| | LOCATION: | AZALEA DEF | AZALEA C | AZALEA A | AZALEA B |
| | | Poster Session #9 | Poster Session #10 | Poster Session #11 | Poster Session #12 |
| | | Hand & Wrist | Hip & Knee Arthroplasty | Trauma | Sports Arthroscopy |

THIRD PLENARY SESSION

ROOM: GRAND BALLROOM SOUTH

MODERATOR: **William W. Cross III, MD**
Rochester, MN

8:00 AM 8:05 AM Assemble/Announcements
8:06 AM 8:21 AM AAOS Report *(no CME offered)*
Wilford K. Gibson, MD | AAOS President

8:22 AM 8:52 AM **Symposium III**
Sports Ankle

Kyle Duchman, MD | Moderator
Iowa City, IA

The Lateral Side
Bopha Chrea, MD
Iowa City, IA

The Medial Side
Alex Vlasek, MD
Rochester, MN

8:53 AM 9:27 AM **RAPP MEMORIAL LECTURE**
Charcot Foot in 2026

Michael S. Pinzur, MD
Maywood, IL

9:28 AM 9:33 AM Presentation of MAOA Poster Awards & Introduction of Multipurpose Resident Grants

9:34 AM 9:37 AM **MRG Presentation** Jack A. Nolte, MD
9:38 AM 9:41 AM **MRG Presentation** Patrick O'Brien, MD
9:42 AM 9:45 AM **MRG Presentation** Bryant M. Song, MD

9:46 AM 9:51 AM **FLOOR DISCUSSION**

9:52 AM 10:25 AM **10TH Annual Resident Quiz Bowl** *(no CME offered)*
Moderated by Curtis Hartman, MD

10:25 AM 10:55 AM **Coffee Break in Exhibit Hall**

Grand Ballroom North

**BREAKOUT SESSION #12
SPORTS MEDICINE/ARTHROSCOPY**

ROOM: AZALEA C

CO-MODERATOR: **Patricia A. Kolowich, MD**
Novi, MI

CO-MODERATOR: **Justin Greiner, MD**
Omaha, NE

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|----------|----------|-------------------------|---|---|
| 10:55 AM | 11:00 AM | 148 | <p>Progression to Osteoarthritis and Total Knee Arthroplasty in Anterior Cruciate Ligament Patients: A Propensity Matched National Database Study</p> <p>*Ian M. Marigi, MD Parshva Sanghvi, BS Logan Good, MD Mark M. Kodsy, MD John M. Apostolakos, MD James E. Voos, MD Jacob G. Calcei, MD</p> | <p>Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH</p> |
| 11:01 AM | 11:06 AM | 149 | <p>Effect of Pre-Operative Adductor Canal Block on Post-Operative Pain and Opioid use Following Quadriceps Autograft ACL Reconstruction</p> <p>Nicholas J. Pitcher, MD Richard J. VanTienderen *Seth Borchard Elle McCormick, MD Robert W. Westermann, MD</p> | <p>Seattle, WA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA</p> |
| 11:07 AM | 11:12 AM | 150 | <p>Rate of Subsequent Surgery Following ACL Reconstruction Performed with Adjustable-Loop Vs. Fixed-Loop Femoral Cortical Suspension Devices: A Retrospective Comparative Study</p> <p>*Benjamin Wharton, MD Charles Nolte, BS Joseph Lim, BS Armando Vidal, MD Michelle Wolcott, MD Jonathon Bravman, MD Eric McCarty, MD</p> | <p>Denver, CO Denver, CO Denver, CO Vail, CO Denver, CO Boulder, CO Boulder, CO</p> |
| 11:13 AM | 11:18 AM | 151 | <p>The Incidence of the Lateral Femoral Notch Sign in Teenagers with Anterior Cruciate Ligament Injuries</p> <p>*Jimmy N. Le, BA Sanam N. Jhaveri, BS Zeid Habbab, BS Kyle Huntley, MD Robert Magnussen, MD Tyler Barker, PhD Nicholas Apseloff, MD David Flanigan, MD Christopher Kaeding, MD</p> | <p>Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH</p> |
| 11:19 AM | 11:24 AM | FLOOR DISCUSSION | | |

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|----------|----------|--|---|--|
| 11:25 AM | 11:30 AM | 152 | <p>Fresh Meniscus Allograft Transplantation Achieves 92% Survival at Mid-Term Follow-up with Nicotine Use and Concomitant Cartilage Restoration being Risk Factors for Failure</p> <p>Garrett R. Jackson, MD James P. Stannard, MD Clayton W. Nuelle, MD Kylee Rucinski, PhD James Cook, PhD *Colton C. Mowers</p> | <p>Columbia, MO Columbia, MO Columbia, MO Columbia, MO Columbia, MO Columbia, MO</p> |
| 11:31 AM | 11:36 AM | 153 | <p>Physical Therapy Location after Anterior Cruciate Ligament Reconstruction Does Not Impact Patient Outcomes</p> <p>Jhamal Wallace, MBS Brittney Pratt Joshua Castle, MD Michael Gaudiani, MD Muhammad Jehad Abbas, MD Andrew Hannoudi Thomas Sean Lynch, MD Vasilios Moutzouros, MD *Brittney Moncrieffe</p> | <p>Peoria, IL Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI</p> |
| 11:37 AM | 11:42 AM | 154 | <p>Characterization and Outcomes of Patients Presenting with Anterior Knee Pain and Excessive External Tibial Torsion Treated with Tibial Derotational Osteotomy</p> <p>*Spencer M. Comfort, MD Ramundo Vial Irarrazaval, MD Marc A. Tompkins, MD Elizabeth A. Arendt, MD</p> | <p>Minneapolis, MN Santiago, Chile Minneapolis, MN Minneapolis, MN</p> |
| 11:43 AM | 11:48 AM | 155 | <p>Prevalence of Lower Extremity Injuries in the NFL: A Five-Year Retrospective Study</p> <p>Simon P. Lalehzarian, MD, MHA, MS Garrett Jebeles, BS Marc D. Dunwody, BS LaMiah Hall, MD, MPH Tyler Kelly, MD Payal Gupta, MBBS Binam Shrestha, MBBS Apurv Gabrani, MD Ashish B. Shah, MD, FAOA, FAAOS *Joseph Dekle</p> | <p>Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL</p> |
| 11:49 AM | 11:54 AM | FLOOR DISCUSSION | | |
| 11:55 AM | 12:00 PM | <p>SPOTLIGHT LECTURE <i>Title</i></p> <p>Patricia A. Kolowich, MD Novi, MI</p> | | |

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|----------|----------|-----|--|----------------|
| 12:01 PM | 12:06 PM | 156 | Incidence of Ramp Lesions in Teenagers Undergoing Anterior Cruciate Ligament Reconstruction: Influence of Age, Gender, and Surgical Timing | |
| | | | *Sanam N. Jhaveri, BS | Columbus, OH |
| | | | Jimmy Le, B.A. | Columbus, OH |
| | | | Zeid Habbab, BS | Columbus, OH |
| | | | Blake Holthaus, BS | Columbus, OH |
| | | | Christopher C. Kaeding, MD | Columbus, OH |
| | | | Kyle Huntley, MD | Columbus, OH |
| | | | Tyler Barker, PhD | Columbus, OH |
| | | | Nicholas Apsehoff, MD | Columbus, OH |
| | | | David C. Flanigan, MD | Columbus, OH |
| | | | Robert A. Magnussen, MD | Columbus, OH |
| 12:07 PM | 12:12 PM | 157 | Virtual cognitive behavioral therapy to improve anterior cruciate ligament reconstruction outcomes: A preliminary analysis of a randomized controlled trial | |
| | | | *Michael A. Gaudiani, MD | Detroit, MI |
| | | | Allison Boland, MD | Chicago, IL |
| | | | Jhamal Wallace, BS | Detroit, MI |
| | | | Vasilios Moutzouros, MD | Detroit, MI |
| | | | T. Sean Lynch, MD | Detroit, MI |
| 12:13 PM | 12:18 PM | 158 | Division I Athletes Support Injury Prevention Programs to Reduce Injury and Improve Player Performance: A Survey of 100 NCAA Athletes | |
| | | | *Samantha L. Watson, BS | Chicago, IL |
| | | | Whitney G. Currie, BA | Chicago, IL |
| | | | Samuel B. Perez, BA | Chicago, IL |
| | | | Andrew T. Pickens, BA | Chicago, IL |
| | | | Michael O. Sohn, BS | Chicago, IL |
| | | | Vehniah K. Tjong, MD | Chicago, IL |
| 12:19 PM | 12:24 PM | 159 | A 25-Year Analysis of Athlete Mortality in the United States: Causes, Trends, and the Role of Resource Disparities | |
| | | | Dev Dayal, BS | Birmingham, AL |
| | | | Maxwell Harrell, BS | Birmingham, AL |
| | | | Clay Rahaman, BA | Birmingham, AL |
| | | | Andrew Manush, BS | Birmingham, AL |
| | | | Caleb Berta, BS | Birmingham, AL |
| | | | Aaron Casp, MD | Birmingham, AL |
| | | | *Nathaniel Buchanan, BS | Birmingham, AL |
| 12:25 PM | 12:30 PM | | FLOOR DISCUSSION | |

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|----------|----------|-------------------------|---|--|
| 12:31 PM | 12:36 PM | 160 | <p>Clinical Outcomes at Minimum 2-Year Follow-Up in Patients with a Multiligament Knee Fracture Dislocation</p> <p>Adam J. Tagliero, MD *Jaques Williams, MD Sanathan Iyer, MS Adam V. Daniel, MD Jacob D. Mikula, MD Emma Hegelson, BS Sandeep Yanamala, BA Rana Ahmad, BS Aaron J. Krych, MD Bruce A. Levy, MD</p> | <p>Rochester, MN Rochester, MN Rochester, MN Orlando, FL Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Orlando, FL</p> |
| 12:37 PM | 12:42 PM | 161 | <p>Return to Sport Following ACL Repair: A Systematic Review</p> <p>Cooper Williams Antonio Da Costa Aghdas Movassaghi Het Chavda Jocelyn Lubert, MD Stephen Lancia Vani Sabesan, MD Stephen M. Lancia Jr *Colton C. Mowers</p> | <p>Boca Raton, FL Boca Raton, FL Grand Rapids, MI Bryan, TX Atlantis, FL Boca Raton, FL Boca Raton, FL Boca Raton, FL Columbia, MO</p> |
| 12:43 PM | 12:48 PM | 162 | <p>What Is the Role of Blood Flow Restriction Therapy on Upper Extremity Conditions? A Systematic Review of Randomized Controlled Trials</p> <p>Laura Ndjoko David Hou, MD Patrick England, MD Ujash Sheth Vehniah Tjong, MD *Samuel Johnson, MD</p> | <p>Chicago, IL New York, NY Chicago, IL Toronto, Canada Chicago, IL Chicago, IL</p> |
| 12:49 PM | 12:54 PM | 163 | <p>The Incidence and Risk Factors of Deep Vein Thrombosis and Pulmonary Embolism after Anterior Cruciate Ligament Reconstruction</p> <p>*Quinn Schach, BS Randall Rainwater Paul Inclan, MD</p> | <p>Little Rock, AR Little Rock, AR Little Rock, AR</p> |
| 12:55 PM | 1:00 PM | FLOOR DISCUSSION | | |

**BREAKOUT SESSION #13
TRAUMA**

ROOM: AZALEA B

CO-MODERATOR: **Krystin A. Hidden, MD**
Rochester, MN

CO-MODERATOR: **J. Lawrence Marsh, MD**
Iowa City, IA

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|----------|----------|-------------------------|--|
| 10:55 AM | 11:00 AM | 164 | <p>Intertrochanteric Fractures Managed with Primary Hip Arthroplasty Have Lower Complication and Reoperation Rates Compared to Conversion to Hip Arthroplasty for Failed Fixation</p> <p>Kwan J. Park, MD Houston, TX Kevin Credille, MD Houston, TX Justin O. Aflatooni, MD Houston, TX Thomas C. Sullivan, Bs Houston, TX *Timothy S. Brown, MD Houston, TX Stephen J. Incavo, MD Houston, TX</p> |
| 11:01 AM | 11:06 AM | 165 | <p>ORIF Results in More Complications and Reoperations than THA for Femoral Neck Fractures in Patients Aged 40-49</p> <p>Colin K. Cantrell, MD Louisville, KY Mir Ibrahim Sajid, MD Tampa, FL Urvi Patel, MD Rochester, NY John Schutz, MD Aurora, CO Noah Joseph, MD Rochester, NY Omar Atassi, MD Houston, TX Nicholas Alfonso, MD Aurora, CO Hassan Mir, MD, MBA Tampa, FL *Clayton R. Welsh, MD Chicago, IL</p> |
| 11:07 AM | 11:12 AM | 166 | <p>Arthroscopic-Assisted Percutaneous Fixation Achieved Superior Clinical and Patient-Reported Outcomes Compared to Open Reduction and Internal Fixation for Lateral Tibial Plateau Fractures</p> <p>*Christopher J. Chermide-Scabbo, MD Minneapolis, MN Jacob S Borgida Minneapolis, MN Sandy Vang St. Paul, MN Marc Swiontkowski, MD Minnetonka, MN Mai P Nguyen St Paul, MN</p> |
| 11:13 AM | 11:18 AM | 167 | <p>A Fixation Technique Variation with A Low Failure Rate in Closed Reduction Percutaneous Pinning for Geriatric Femoral Neck Fractures</p> <p>*Niklaus Zeller Saint Paul, MN Edwin G. Rosado-Hernandez, MD Saint Paul, MN Hossein Tabrizi, MD Saint Paul, MN Gaonhia Y. Moua, BS Saint Paul, MN Jordan D. Johnson, PA-C Saint Paul, MN Sandy Vang, BA Saint Paul, MN Gennadiy A. Busel, MD Saint Paul, MN</p> |
| 11:19 AM | 11:24 AM | FLOOR DISCUSSION | |

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|----------|----------|-----|--|----------------|
| 11:25 AM | 11:30 AM | 168 | Identifying Risk Factors for Systemic Complications Following Fracture-Related Infection | |
| | | | Robin M. Litten, MS | Birmingham, AL |
| | | | Doriann M. Alcaide, MD | Birmingham, AL |
| | | | Robert W. Rutz, MD | Birmingham, AL |
| | | | Ryan N. McIlwain, BS | Birmingham, AL |
| | | | Matthew T. Yeager, MD | Birmingham, AL |
| | | | Clay A. Spitler, MD | Birmingham, AL |
| | | | Joey P. Johnson, MD | Birmingham, AL |
| | | | *Harrison Massie, MS | Birmingham, AL |
| 11:31 AM | 11:36 AM | 169 | Risk Factors for Backout of Distal Interlocking Screws after Retrograde Femoral Nailing | |
| | | | *Elizabeth H.G. Turner, MD | Detroit, MI |
| | | | Phillip McKegg | Detroit, MI |
| | | | Kashif Javid | Detroit, MI |
| | | | Kate L. Fitzgerald, MD | Detroit, MI |
| | | | Kevin Lindsay-Rivera, MD | Detroit, MI |
| | | | Benjamin Brennan | Detroit, MI |
| | | | William M. Hakeos, MD | Detroit, MI |
| | | | Lindsay M. Maier, MD | Detroit, MI |
| | | | Joseph Hoegler, MD | Detroit, MI |
| | | | Stuart T. Guthrie, MD | Detroit, MI |
| 11:37 AM | 11:42 AM | 170 | Orthopaedic Trauma Patients have Substantial Caloric and Protein Deficiencies in the Early Postoperative Period | |
| | | | *Bison T. Woods, MD | Iowa City, IA |
| | | | Steele M.L. McCulley, BS | Iowa City, IA |
| | | | Ashley S. Kochuyt, BS | Iowa City, IA |
| | | | Jennessa J. Sharratt, BS, MCN | Iowa City, IA |
| | | | Natalie A. Glass, PhD. | Iowa City, IA |
| | | | Michael C. Willey, MD | Iowa City, IA |
| 11:43 AM | 11:48 AM | 171 | The Impact of Time to Surgery, Irrigation and Debridement, and Antibiotics on Operatively Treated Ballistic Fractures | |
| | | | *Clayton R. Welsh, MD | Chicago, IL |
| | | | Christine G. DeFilippo | Chicago, IL |
| | | | Colin K. Cantrell | Chicago, IL |
| | | | Mark A. Plantz | Chicago, IL |
| | | | Rachel F. Bergman | Chicago, IL |
| | | | Joel C. Williams | Chicago, IL |
| | | | Bennet A. Butler | Chicago, IL |
| | | | Motasem I. Refaat | Chicago, IL |
| 11:49 AM | 11:54 AM | | FLOOR DISCUSSION | |
| 11:55 AM | 12:00 PM | | SPOTLIGHT LECTURE | |
| | | | <i>Fibular Allograft Strut Use in Tibial Plateau Fractures: A Technical Trick</i> | |
| | | | Krystin A. Hidden, MD | |
| | | | Rochester, MN | |

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|----------|----------|-------------------------|--|--|
| 12:01 PM | 12:06 PM | 172 | Predictors of Failure Following Medial Meniscus Root Tear Repair *Alexandra C. Stevens, BS Parker Cavendish, MD Eric Milliron, MD James Kirven, MD Noah Mallory, MD Jelle P. van der List, MD, PhD, MBA Tyler Barker, PhD David C. Flanigan, MD Robert A. Magnussen, MD, MPH | Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH Columbus, OH |
| 12:07 PM | 12:12 PM | 173 | Outcomes of Periprosthetic Distal Femur Fractures by Treatment Construct: A Retrospective Cohort Study Ryan N. McIlwain, BS Robin M. Litten, MS Jose Ayala, MD Nigel Blackwood, MD Doriann M. Alcaide, MD Jared Halstrom, MD Clay A. Spitler, MD Joseph P. Johnson, MD *M. Caleb Brock, MS | Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL |
| 12:13 PM | 12:18 PM | 174 | Residual Ipsilateral SI Joint Diastasis Impairs the Quality of Articular Reduction in Transverse Acetabular Fractures Samuel Gerak H. Claude Sagi, MD Nihar Shah, MD *Cortney Matthews, MD | Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH |
| 12:19 PM | 12:24 PM | 175 | Psychological Distress in Orthopedic Trauma Patients *Lauren Vande Kamp, BS Christopher T. Eberlin, MD Yumeng Gao, MS Ashley S. Kochuyt, BS Kimberly Leman, MPAS, PA-C Michael C. Willey, MD | Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA |
| 12:25 PM | 12:30 PM | FLOOR DISCUSSION | | |
| 12:31 PM | 12:36 PM | 176 | Patient Adherence to VTE Prophylaxis Following Major Extremity Trauma Douglas Zhang, BA *Walaa Abdelfadeel, MD Gregory Vincent Schimizzi, MD, PhD Tony Christiano, MD Mary Kate Erdman, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 12:37 PM | 12:42 PM | 177 | Missed Opportunities: Underbilling of Non-Operative Fracture Care Is Common in Orthopedic Polytrauma Patients Miriyaam Ghali, MD, MBA Douglas Zhang, BA *Jeffrey Bilbo, BA Gregory Schimizzi, MD, PhD Anthony Christiano, MD Mary Kate Erdman | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |

12:43 PM 12:48 PM 178 **Identifying Risk Factors for 30-Day Readmission after Hip Fracture Surgery**
Alexander Driessche, MSE Detroit, MI
Phillip McKegg Detroit, MI
Kashif Javid Detroit, MI
Elizabeth Turner, MD Detroit, MI
Kate L Fitzgerald, MD Detroit, MI
Suhas Nagappala Detroit, MI
William M Hakeos, MD Detroit, MI
Joseph Hoegler, MD Detroit, MI
Stuart T Guthrie, MD Detroit, MI
Lindsay M Maier, MD Detroit, MI
*Muhammad Abbas, MD Detroit, MI

12:49 PM 12:54 PM 179 **Acetabulum Fracture Pattern Influence on Risk for Conversion Total Hip Arthroplasty: A Large, Comparative Database Study**
Logan M. Good, MD Cleveland, OH
Andrew J. Moyal, MD Cleveland, OH
Alexander N. Berk, MD Cleveland, OH
Jeremy M. Adelstein, MD Cleveland, OH
*Robert J. Burkhart, MD Cleveland, OH
Samuel A. Florentino, MD Cleveland, OH
Margaret A. Sinkler, MD Cleveland, OH
George Ochenjele, MD Cleveland, OH
Joshua K. Napora, MD Cleveland, OH
Robert J. Wetzal, MD Cleveland, OH

12:55 PM 1:00 PM **FLOOR DISCUSSION**

**BREAKOUT SESSION #14
ONCOLOGY**

ROOM: AZALEA DEF

CO-MODERATOR: **Alan Blank, MD**
Chicago, IL

CO-MODERATOR: **Lukas M. Nystrom, MD**
Cleveland, OH

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| 10:55 AM | 11:00 AM | 180 | Mid-Term Comparison of Reverse Reconstructive Techniques Following Oncologic Intraarticular Resection of the Proximal Humerus *Mikaela H. Sullivan, MD Rochester, MN Jonathan D. Barlow, MD Rochester, MN Mark E. Morrey, MD Rochester, MN Joaquin Sanchez-Sotelo, MD, PhD Rochester, MN Matthew T. Houdek, MD Rochester, MN |
| 11:01 AM | 11:06 AM | 181 | Fixation of Pathologic Humerus Fractures with Photodynamic Bone Stabilization System (PBSS): Is PBSS Alone Sufficient? *Brian Benyamini, BS Cleveland, OH Andrew Rickenberg Cleveland, OH Elaine Hines Cleveland, OH Matthew Rerko Cleveland, OH Nathan Mesko, MD Cleveland, OH Lukas Nystrom, MD Cleveland, OH Zachary Burke, MD Cleveland, OH |
| 11:07 AM | 11:12 AM | 182 | Proximal Humerus Fractures Treated with Open Reduction and Internal Fixation Demonstrates Worse Outcomes Based on Social Determinants of Health Than Reverse Total Shoulder Arthroplasty Kai Zhu, BS Detroit, MI Mary Hennekes, MD Detroit, MI Chimdi Obinero Detroit, MI Frass Ahmed Detroit, MI Mahdi Mazeh, BS Detroit, MI Jared Mahylis, MD Detroit, MI Stephanie Muh, MD Detroit, MI Michael Gaudiani, MD Detroit, MI *Connor Sakis, BS Detroit, MI |
| 11:13 AM | 11:18 AM | 183 | Oncologic Outcomes in Percutaneous Fixation of Periacetabular Disease Juan Colazo, MD St. Louis, MO David Clever, MD/PhD St. Louis, MO Regis O'Keefe, MD St. Louis, MO *Ian English, MD St. Louis, MO |
| 11:19 AM | 11:24 AM | | FLOOR DISCUSSION |

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| 11:25 AM | 11:30 AM | 184 | Do Serum Metal Ion Concentrations in Patients with an Endoprosthesis Change Over Time? Results from a Prospectively Collected Group of Patients | |
| | | | Marisa N. Ulrich, MD | Rochester, MN |
| | | | *Leilani Garayua-Cruz, BS | Rochester, MN |
| | | | Cody C. Wyles, MD | Rochester, MN |
| | | | Daniel J. Berry, MD | Rochester, MN |
| | | | David G. Lewallen, MD | Rochester, MN |
| | | | Matthew T. Houdek, MD | Rochester, MN |
| 11:31 AM | 11:36 AM | 185 | A Quality Improvement Initiative: Retrospective Analysis of Impact of Cytogenetics in Orthopedic Oncologic Diagnosis and Subsequent Management | |
| | | | Annemarie K. Leonard, MD | Omaha, NE |
| | | | *Logan S. Anderson, MS | Omaha, NE |
| | | | Scott R. Lauer, MD | Omaha, NE |
| | | | Sean V. McGarry, MD | Omaha, NE |
| 11:37 AM | 11:42 AM | 186 | Planned Vs. Intraoperative Vascular Surgery Consultations in Orthopedic Oncology | |
| | | | Zachary Butler, BS | Chicago, IL |
| | | | *Dylan Riley, BS | Chicago, IL |
| | | | Steven Gitelis, MD | Chicago, IL |
| | | | Alan T Blank, MD, MS | Chicago, IL |
| 11:43 AM | 11:48 AM | 187 | Chondrosarcoma in the Hand and Forearm | |
| | | | *Kareme D. Alder, MD | Rochester, MN |
| | | | Samuel E. Broida, MD | Rochester, MN |
| | | | Steven L. Moran, MD | Rochester, MN |
| | | | Matthew T. Houdek, MD | Rochester, MN |
| 11:49 AM | 11:54 AM | | FLOOR DISCUSSION | |
| 11:55 AM | 12:00 PM | | SPOTLIGHT LECTURE | |
| | | | <i>3D Printed Pelvic Reconstruction in Sarcoma Surgery, Anecdotes vs Evidence</i> | |
| | | | Alan T. Blank, MD | |
| | | | Chicago, IL | |
| 12:01 PM | 12:06 PM | 188 | Area Deprivation Index and Outcomes in Localized Soft Tissue Sarcoma: Do Social Determinants Influence Survival? | |
| | | | Brian Benyamini, BS | Cleveland, OH |
| | | | Riley O'Toole | Cleveland, OH |
| | | | Mareike Haaren | Cleveland, OH |
| | | | Elaine Hines | Cleveland, OH |
| | | | Matthew Rerko | Cleveland, OH |
| | | | Nathan Mesko, MD | Cleveland, OH |
| | | | Lukas Nystrom, MD | Cleveland, OH |
| | | | Zachary Burke, MD | Cleveland, OH |
| | | | *Andrew Rickenberg | Cleveland, OH |

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| 12:07 PM | 12:12 PM | 189 | Long Term Outcomes of Locally-Recurrent Synovial Sarcoma *Nicolas A. Selemon, MD Jacob J. Schaefer, MD Meng Welliver, MD, PhD Steven I. Robinson, MBBS Brittany L. Siontis, MD Thanh P. Ho, MD Scott H. Okuno, MD Matthew T. Houdek, MD Samuel E. Broida, MD | Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN |
| 12:13 PM | 12:18 PM | 190 | Classifying Wound Healing Complications in Surgically Treated Extremity Soft Tissue Sarcoma *Riley A. O'Toole, MHS Brian Benyamini Martina Hale Nathan W. Mesko Zachary D. Burke Lukas M. Nystrom | Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH |
| 12:19 PM | 12:24 PM | 191 | Local Recurrence of Chondrosarcoma: Impact on Survival and Recurrence at An Increased Grade *Mikaela H. Sullivan, MD Samuel E. Broida, MD Matthew T. Houdek, MD | Rochester, MN Rochester, MN Rochester, MN |
| 12:25 PM | 12:30 PM | FLOOR DISCUSSION | | |
| 12:31 PM | 12:36 PM | 192 | Opportunistic CTA Measurements Reliably Predict Nail Length in Lower Extremity Long Bone Fractures Jordan Cook Serotte, MD *Spencer Brown, MD Anjani Maley, BS Anthony Christiano Gregory Schimizzi, MD, PhD Mary Kate Erdman Jordan Cook Serotte, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 12:37 PM | 12:42 PM | 193 | The Impact of Wound Healing Complications on Patient-Reported Outcomes Following Soft Tissue Sarcoma Surgery Riley A. O'Toole, MHS *Precious Oyem, MD Nathan W. Mesko, MD Zachary D. Burke, MD Andre Spiguel, MD Jeremy White, MD Benjamin J. Miller, MD Lukas M. Nystrom, MD | Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Gainesville, FL Oklahoma City, OK Johnson County, IA Cleveland, OH |

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|----------|----------|-----|---|-------------|
| 12:43 PM | 12:48 PM | 194 | Positioning Pearls for Intramedullary Nails of Pathologic Humeral Shaft Fractures | |
| | | | *Mary E. Hennekes, MD | Detroit, MI |
| | | | Jonathan P. Braman, MD | Detroit, MI |
| | | | Michael P. Mott, MD | Detroit, MI |
| 12:49 PM | 12:54 PM | 195 | 3D-Printed Cutting Guides for Long Bone Sarcoma Resection and Intercalary Allograft Reconstruction: An Updated and Revised Long-Term Follow-Up Case Series | |
| | | | Zachary Butler, BS | Chicago, IL |
| | | | Dylan Riley, BS | Chicago, IL |
| | | | Steven Gitelis, MD | Chicago, IL |
| | | | *Alan T. Blank, MD, MS | Chicago, IL |
| 12:55 PM | 1:00 PM | | FLOOR DISCUSSION | |

**BREAKOUT SESSION #15
HIP & KNEE ARTHROPLASTY**

ROOM: GRAND BALLROOM SOUTH

CO-MODERATOR: **Timothy S. Brown, MD**
Houston, TX

CO-MODERATOR: **Robert A. Burnett III, MD**
Chicago, IL

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| 10:55 AM | 11:00 AM | 196 | <p>Gluteus Maximus Transfer after THA: A Viable Adjunct for Managing Abductor Insufficiency</p> <p>*Sergio F. Guarin Perez, MD Rochester, MN Diego J. Restrepo, MD Rochester, MN Ta-Wei Tai, MD, PhD Rochester, MN Keegan M. Good Rochester, MN Adrian E. Gonzalez-Bravo Rochester, MN Mario Hevesi, MD, PhD Rochester, MN Rafael J. Sierra, MD Rochester, MN</p> |
| 11:01 AM | 11:06 AM | 197 | <p>Do Achievement of Hoos/Koos Significant Clinical Benefit as Proposed by CMS Correlate with Patient Satisfaction and Willingness to Repeat Surgery in Primary Total Hip and Total Knee Arthroplasty?</p> <p>*Zhaorui Wang, MD Ann Arbor, MI Carol A. Janney, PhD Ann Arbor, MI Eric Guo, MD Ann Arbor, MI Christopher N. Carender, MD Ann Arbor, MI Brian Hallstrom, MD Ann Arbor, MI Michael M. Kheir, MD Ann Arbor, MI</p> |
| 11:07 AM | 11:12 AM | 198 | <p>How Do ESR and CRP Trend During a Two-Stage Exchange Arthroplasty of the Hip?</p> <p>*Matthew T. Weintraub, MD Rochester, MN Marisa N. Ulrich, MD Rochester, MN Elie F. Berbari, MD, MBA Rochester, MN Cody C. Wyles, MD Rochester, MN Charles P. Hannon, MD, MBA Rochester, MN Nicholas A. Bedard, MD Rochester, MN Matthew P. Abdel, MD Rochester, MN</p> |
| 11:13 AM | 11:18 AM | 199 | <p>Social Determinants of Health Influence Cancellation Rates in Elective Total Hip and Total Knee Arthroplasty</p> <p>Noah Hodson, MD Detroit, MI *Mazen Zamzam, BS Detroit, MI Ali Mehaidli, MD Detroit, MI Alexander Driessche, MSE Detroit, MI Trevor North, MD Detroit, MI Michael Charters, MD Detroit, MI</p> |
| 11:19 AM | 11:24 AM | FLOOR DISCUSSION | |

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| 11:25 AM | 11:30 AM | 200 | <p>Minimizing Surgical Site Infections in Hip Arthroplasty: Evidence for the Use of Dual Antibiotic-Loaded Bone Cement</p> <p>Majd Mzeihem, MD Chicago, IL *Ali Rteil, MD, MSc Skokie, IL Joseph Karam, MD Chicago, IL Jason Koh, MD Skokie, IL Farid Amirouche, PhD Skokie, IL</p> |
| 11:31 AM | 11:36 AM | 201 | <p>High Re-Infection and Mortality Rates Following Repeat Two-Stage Exchange: A Meta-Analysis of 591 Patients</p> <p>Khaled A Elmenawi, MD Cleveland, OH Ahmed K. Emara, MD Cleveland, OH Shujaa T. Khan, MD Cleveland, OH John P. Mclaughlin, DO Cleveland, OH Trevor G. Murray, MD Cleveland, OH Nicolas S. Piuze, MD Cleveland, OH *Brendan Lilley, MD Cleveland, OH</p> |
| 11:37 AM | 11:42 AM | 202 | <p>Postoperative Outcomes for Concomitant Total Hip Arthroplasty with Abductor Repair</p> <p>*Kwan J. Park, MD Houston, TX Richard S. Fuld, MD Houston, TX Thomas C. Sullivan, BS Houston, TX Katharine D. Harper, MD Washington, DC Terry A. Clyburn, MD Houston, TX Stephen J. Incavo, MD Houston, TX</p> |
| 11:43 AM | 11:48 AM | 203 | <p>Effect of Cumulative "Stacked" Patient Comorbidities on 90-Day Readmissions after Joint Arthroplasty</p> <p>*Matthew A. Parmenter II, MS Indianapolis, IN Joyce M. Harary, BA New York, NY Zaid Al Nassir, MS Toronto, Canada Kevin A. Sonn, MD Indianapolis, IN Leonard T. Buller, MD Indianapolis, IN Evan R. Deckard, BSE Indianapolis, IN R. Michael Meneghini, MD Indianapolis, IN</p> |
| 11:49 AM | 11:54 AM | FLOOR DISCUSSION | |
| 11:55 AM | 12:00 PM | <p>SPOTLIGHT LECTURE <i>Intraosseous Antibiotic Use in Total Knee Arthroplasty</i></p> <p>Timothy S. Brown, MD Houston, TX</p> | |
| 12:01 PM | 12:06 PM | 204 | <p>Perioperative Outcomes Between Cryoneurolysis Needle Configurations in Total Knee Arthroplasty</p> <p>*Corey F. Hryc, PhD Houston, TX Hari Surnedi Houston, TX Gregory W. Stocks, MD Houston, TX</p> |

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| 12:07 PM | 12:12 PM | 205 | Is Patellar Resurfacing Absolutely Indicated in Total Knee Arthroplasty for Inflammatory Arthritis? | |
| | | | *Bryant M. Song, MD | St. Louis, MO |
| | | | Caleb A. Ford, MD, PhD | St. Louis, MO |
| | | | Lane McCoy, BS | St. Louis, MO |
| | | | Andrew M. Schneider, MD | St. Louis, MO |
| | | | Ryan M. Nunley, MD | St. Louis, MO |
| | | | Robert L. Barrack, MD | St. Louis, MO |
| | | | Ilya Bendich, MD | St. Louis, MO |
| 12:13 PM | 12:18 PM | 206 | Classification and Outcomes of 214 Periprosthetic Patellar Fractures in Primary TKA | |
| | | | Nicolas A. Selemon, MD | Rochester, MN |
| | | | Nicholas A. Bedard, MD | Rochester, MN |
| | | | Mark J. Spangehl, MD | Phoenix, AZ |
| | | | Bryan D. Springer, MD | Jacksonville, FL |
| | | | Krystin A. Hidden, MD | Rochester, MN |
| | | | Brandon J. Yuan, MD | Rochester, MN |
| | | | Daniel J. Berry, MD | Rochester, MN |
| | | | Matthew P. Abdel, MD | Rochester, MN |
| | | | Charles P. Hannon, MD, MBA | Rochester, MN |
| | | | *Merrick T. Ducharme, MD | Rochester, MD |
| 12:19 PM | 12:24 PM | 207 | Contemporary TKA in Patients with Prior Tibial Plateau Fractures: 15-Year Survivorship in 274 Cases | |
| | | | Aaron Chen, MD | Rochester, MN |
| | | | *Meera M. Dhodapkar, MD, MHS | Rochester, MN |
| | | | Nicholas Bedard, MD | Rochester, MN |
| | | | Charles P. Hannon, MD, MBA | Rochester, MN |
| | | | Brandon Yuan, MD | Rochester, MN |
| | | | William Cross, MD | Rochester, MN |
| | | | Daniel Berry, MD | Rochester, MN |
| | | | Matthew Abdel, MD | Rochester, MN |
| 12:25 PM | 12:30 PM | FLOOR DISCUSSION | | |
| 12:31 PM | 12:36 PM | 208 | Are THA and TKA Patients in the United States Getting Sicker? Outcomes from a Multi-Center Registry | |
| | | | R. Michael Meneghini, MD | Indianapolis, IN |
| | | | Evan R. Deckard, BSE | Indianapolis, IN |
| | | | *Leonard T. Buller, MD | Indianapolis, IN |
| 12:37 PM | 12:42 PM | 209 | Use of Robotics in Knee Arthroplasty Reduces Reoperation Rates | |
| | | | Ned K. Tervola, MA, LAT, ATC | Edina, MN |
| | | | Sandra Castro-Pearson, PhD | Minneapolis, MN |
| | | | Alec P. Akins, BS | Minneapolis, MN |
| | | | Kenneth Knudson, BS | Minneapolis, MN |
| | | | Steven J. Ralles, MD | Minneapolis, MN |
| | | | Bishoy V. Gad, MD, MBA | Minneapolis, MN |
| | | | *Robert Doohen, MD | Cambridge, MN |

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|----------|----------|-------------------------|--|--|
| 12:43 PM | 12:48 PM | 210 | GLP-1 Agonists Vs. Bariatric Surgery: Which Management Carries Heavier Weight Prior to Total Knee Arthroplasty? Omar Shalakhti, MS Samuel P. Alfonsi, MD Aditya S. Yadav, MS Alexander J. Acuña, MD Enrico Forlenza, MD E. Bailey Terhune, MD Ajay S. Potluri, BS *Christine L. Zickler | Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 12:49 PM | 12:54 PM | 211 | Incisional Negative Pressure Wound Therapy vs. Silver-Impregnated Dressings in Primary Total Knee Arthroplasty: A Propensity-Matched Analysis *Simarjeet Puri, MD Noah Elagamy, MD Michael Dubé, MD Harjot Uppal, MD Nicholas Bolz, MD David Markel, MD | Southfield, MI Southfield, MI Southfield, MI Southfield, MI Southfield, MI Novi, MI |
| 12:55 PM | 1:00 PM | FLOOR DISCUSSION | | |

**BREAKOUT SESSION #16
 ARTHROPLASTY SHOULDER**

ROOM: BEACHSIDE

CO-MODERATOR: **Jonathan D. Barlow, MD**
 Rochester, MN

CO-MODERATOR: **Joseph W. Galvin, MD**
 Iowa City, IA

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| 10:55 AM | 11:00 AM | 212 | <p>Social Determinants of Health and Postoperative Outcomes of Proximal Humerus Fractures</p> <p>*Mary E. Hennekes, MD Kai Zhu, BS Cyan Patterson, BS Nathan Li, BS Stephanie Muh, MD Jared Mahylis, MD</p> | <p>Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI</p> |
| 11:01 AM | 11:06 AM | 213 | <p>Systemic Hormonal Contraceptive Use is Associated with Greater Odds of Shoulder Pathologies: A Propensity Matched Epidemiological Study</p> <p>*Argen Omurzakov, BA Arsen Omurzakov, BA Robert J. Burkhart, MD Aakash Shah, BA James E. Voos, MD Jacob G. Calcei, MD John M. Apostolakos, MD, MPH</p> | <p>Cleveland, OH New York, NY Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH</p> |
| 11:07 AM | 11:12 AM | 214 | <p>Predictors of Regaining the Ability to Sleep After Shoulder Arthroplasty</p> <p>Cerie L. Ock, BE Stanley Liu, BS Mitchell Pfennig, MD Sydney Flanagan, BS Andrew Chen, MD Nickolas Garbis, MD Dane Salazar, MD, MBA *Eisa Razzak, BS</p> | <p>Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL</p> |
| 11:13 AM | 11:18 AM | 215 | <p>Strut Allograft Augmentation Restores Bone Stock in Revision Elbow Arthroplasty, but is not Universally Successful in Preventing Subsequent Re-Revision</p> <p>*Samuel S. Rudisill, MD Daniel Z. You, MD, MSc Michael Baird, MD Shawn W. O'Driscoll, MD, PhD Joaquin Sanchez-Sotelo, MD, PhD Mark E. Morrey, MD, MSc</p> | <p>Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN</p> |
| 11:19 AM | 11:24 AM | FLOOR DISCUSSION | | |

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| 11:25 AM | 11:30 AM | 216 | <p>Geriatric Nutritional Risk Index Demonstrates Enhanced Screening Capabilities Over Albumin in Patients Undergoing Shoulder Arthroplasty</p> <p>*Johnny Kasto, MD Kai Zhu, BS Chris Nikolopoulos Chimdi Obinero, BS Mahdi Mazeher, BS Jared Mahylis, MD Stephanie Muh, MD</p> | <p>Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI Detroit, MI</p> |
| 11:31 AM | 11:36 AM | 217 | <p>Outcomes and Subscapularis Integrity Following Standard Vs. Augmented Anatomic Total Shoulder Arthroplasty: A Prospective Study</p> <p>*Kate L. Agan, BA Jelle van der List, MD, PhD Julie Y. Bishop, MD Gregory L. Cvetanovich, MD</p> | <p>Columbus, OH Columbus, OH Columbus, OH Columbus, OH</p> |
| 11:37 AM | 11:42 AM | 218 | <p>Mild Greater Tuberosity Malunion Produces Acceptable Functional Outcomes Following Reverse Shoulder Arthroplasty (RTSA) for Acute Proximal Humerus Fracture</p> <p>*Matthew Colatruglio, MD Thomas W. Throckmorton, MD Tyler J. Brolin, MD Stefan J. Hanish, MD</p> | <p>Memphis, TN Memphis, TN Memphis, TN Memphis, TN</p> |
| 11:43 AM | 11:48 AM | 219 | <p>Clinical and Radiographic Outcomes of Anatomic Total Shoulder Arthroplasty with An Inset Glenoid for Posterior Glenoid Erosion: Minimum 2-Year Follow-Up</p> <p>Logan M. Good, MD Kira L. Smith, MD John T. Strony, MD Molly M. Piper, MD Peter S. Johnston, MD Raymond E. Chen, MD Robert J. Gillespie, MD Ankit Hirpara, MD *Leonardo Albertini Sanchez, MD</p> | <p>Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Waldorf, MD Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH</p> |
| 11:49 AM | 11:54 AM | FLOOR DISCUSSION | | |
| 11:55 AM | 12:00 PM | <p>SPOTLIGHT LECTURE <i>Nutrition in Shoulder Arthroplasty - What is Our Role?</i></p> <p>Jonathan D. Barlow, MD Rochester, MN</p> | | |
| 12:01 PM | 12:06 PM | 220 | <p>A Look at the Outliers: Optimal Placement for Reverse Total Shoulder Arthroplasty</p> <p>*Evan Moon, BS Alexandra Makenzie, MD Mir Ashraf Michael Greiwe, MD Taylor Timoteo, DO</p> | <p>Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH Cincinnati, OH</p> |

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| 12:07 PM | 12:12 PM | 221 | Return to Driving Timeline and Functional Outcomes Following Total Shoulder Arthroplasty *Patrick Sun, BA Darlington Nwaudo, MD Nicholas H. Maassen, MD Lewis Shi, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 12:13 PM | 12:18 PM | 222 | Clinical Factors Associated with Same Day Discharge After Primary Total Shoulder Arthroplasty Ryan McNassor, MD Lucas Haase, MD Brandon Fisher, MD *Kaleb R. Howard, MD Justin T. DesLaurier, MD Elijah C. Auch, MD Alexander Martusiewicz, MD J. Michael Wiater, MD | Royal Oak, MI Royal Oak, MI Fargo, ND Royal Oak, MI Royal Oak, MI Royal Oak, MI Royal Oak, MI Royal Oak, MI |
| 12:19 PM | 12:24 PM | 223 | Satisfactory Clinical and Radiographic Outcomes Following Anatomic Total Shoulder Arthroplasty Utilizing an Inset Glenoid Component at 5-year Minimum *Kira L. Smith, MD Logan Good, MD John T. Strony, MD Andrew Qi, BS Raymond E. Chen, MD Grant E. Garrigues, MD Benjamin W. Sears, MD Peter S. Johnston, MD Robert J. Gillespie, MD | Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Chicago, IL Denver, CO Leonardtown, MD Cleveland, OH |
| 12:25 PM | 12:30 PM | FLOOR DISCUSSION | | |
| 12:31 PM | 12:36 PM | 224 | Return to Rigorous Work after Reverse Shoulder Arthroplasty: Realistic Expectations for Active Patients Maria F. Bozoghlian, MD Joseph W. Galvin, DO James V. Nepola, MD Brendan M. Patterson, MD, MPH *Garrett V. Christensen, MD | Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA |
| 12:37 PM | 12:42 PM | 225 | Precision Risk Modeling in Total Shoulder Arthroplasty Using Machine Learning *Jibreel Hussain, MBA Jayalakshmi Jain, MS Nezar Abunnur, BS Apurva Choubey, MD | Chicago, IL Chicago, IL Chicago, IL Chicago, IL |
| 12:43 PM | 12:48 PM | 226 | The Effect of Cervical Spine Surgery on Shoulder Arthroplasty Outcomes: A Propensity-Matched Cohort Study Kyleen Jan, MD Arden Shen, BS Jennifer Kurowicki, MD *Eric J. Gullborg, MS | Chicago, IL Chicago, IL Chicago, IL Chicago, IL |

12:49 PM 12:54 PM 227 **Evaluating Post-Operative Outcomes of “On-Track”, “Near-Track”, and “Off-Track” Shoulders via Pre-Operative Imaging of Latarjet Patients in the Moon Shoulder Instability Cohort**

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|------------------------------|----------------|
| Cara L. Arrasmith, BS | Iowa City IA |
| Julie Y. Bishop, MD | Columbus, OH |
| Shannon Ortiz, MPH | Iowa City , IA |
| Carolyn M. Hettrich, MD, MPH | Watertown, NY |
| Natalie Glass, PhD | Iowa City, IA |
| MOON Shoulder Group | Iowa City, IA |
| Brian R. Wolf, MD, MS | Iowa City, IA |
| *Richard VanTienderen, DO | Iowa City, IA |

12:55 PM 1:00 PM **FLOOR DISCUSSION**

BREAKOUT SESSION #17
TOPICS IN TRAINING & TECHNOLOGY

ROOM: AZALEA A

CO-MODERATOR: **Brandi R. Hartley, MD**
Ann Arbor, MI

CO-MODERATOR: **Michael P. Mott, MD**
Detroit, MI

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| 10:55 AM | 11:00 AM | 228 | A Comparative Assessment of Orthopedic Training Methods *Jared J. Hill, MS Donald D. Anderson, PhD Heather R. Kowalski, MD Kyle R. Duchman, MD Matthew D. Karam, MD | Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA Iowa City, IA |
| 11:01 AM | 11:06 AM | 229 | Institutional Predictors of Orthopaedic Surgery Residency Match Success: A Five-Year National Analysis *Sia Cho Justin Lee, MD Freddy Jacome, MD Matthew Weintraub Avani Chopra, MD Wellington Hsu, MD | Chicago, IL Newark, NJ Boston, MA Newark, NJ Chicago, IL Chicago, IL |
| 11:07 AM | 11:12 AM | 230 | Upper Extremity Injuries in Commercial Salmon Fishing Across Gear Types *Mason A. Keffalos Ranjan Gupta, MD, FAAOS, FAOA | Omaha, NE Omaha, NE |
| 11:13 AM | 11:18 AM | 231 | Trends in Research Gap Years in Orthopedic Residency Applicants Jack H. Drake, BS *Collin N. Nguyen, BS Andrea M. Spiker, MD A. Neil Salyapongse, MD Brian F. Grogan, MD Kathryn L. Williams, MD Eric J. Cotter, MD | Madison, WI Madison, WI Madison, WI Madison, WI Madison, WI Madison, WI Madison, WI |
| 11:19 AM | 11:24 AM | FLOOR DISCUSSION | | |
| 11:25 AM | 11:30 AM | 232 | From Posts to Patients: The Influence of Social Media Content on Hand Surgeon Ratings Antonio Da Costa, BS Jacob Calpey, BS Aghdas Movassaghi, BS Jehad Feras AlSamhori, MD Stephen Lancia, BS Jason Pieri, BS Nathan Flothe, BS Payton Y. Hansen, BS Vani Sabesan, MD *Jocelyn Lubert, MD | Boca Raton, FL Boca Raton, FL Grand Rapids, MI Amman Boca Raton, FL Boca Raton, FL Boca Raton, FL Boca Raton, FL Boca Raton, FL Atlantis, FL Boca Raton, FL |

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| 11:31 AM | 11:36 AM | 233 | Performance of Prevent, A Novel Negative Pressure Wound Therapy Filler on Contracture | |
| | | | Meera M. Dhodapkar, MD, MHS | Rochester, MN |
| | | | Karim Nathani, MBBS, MS | Rochester, MN |
| | | | *Joe Hilsman | Athens, GA |
| | | | Mohamed Sarraj, MD | Rochester, MN |
| | | | Brett Freedman, MD | Rochester, MN |
| 11:37 AM | 11:42 AM | 234 | Immersive Virtual Reality Improves Medical Student Confidence and Orthopaedic Skills | |
| | | | Elizabeth Chan, BS | Lillington, NC |
| | | | Aghdas Movassaghi, BS | Grand Rapids, MI |
| | | | Lana Smith | Athens, GA |
| | | | Matthew McKinley, MBA | Davie, FL |
| | | | Roya Osswald | Gainesville, FL |
| | | | *Jocelyn Lubert, MD | Atlantis, FL |
| | | | Vani J Sabesan, MD | Atlantis, FL |
| 11:43 AM | 11:48 AM | 235 | Novel Utilization of H-Plates in Treatment of Posterior Wall Components of Acetabular Fractures | |
| | | | Ryan N. McIlwain, BS | Birmingham, AL |
| | | | Robin M. Litten, MS | Birmingham, AL |
| | | | Anjali Malhotra, MPH | Syracuse, NY |
| | | | Nigel Blackwood, MD | Birmingham, AL |
| | | | Doriann M. Alcaide, MD | Birmingham, AL |
| | | | Jared Halstrom, MD | Birmingham, AL |
| | | | Clay A. Spitler, MD | Birmingham, AL |
| | | | *Joseph P. Johnson, MD | Birmingham, AL |
| 11:49 AM | 11:54 AM | | FLOOR DISCUSSION | |
| 11:55 AM | 12:00 PM | | SPOTLIGHT LECTURE | |
| | | | <i>Successful Transition from Med Student to Resident</i> | |
| | | | Brandi R. Hartley, MD | |
| | | | Ann Arbor, MI | |
| 12:01 PM | 12:06 PM | 236 | The Rising Influence and Role of Research Gap Years and Summer Programs in Orthopedic Surgery Residency Match Success – A Systematic Review | |
| | | | *Luke Molitor, MS | Cleveland, OH |
| | | | Thriaksh Rajan | Cleveland, OH |
| | | | Christian J. Hecht II, MD | Omaha, NE |
| | | | Joshua R. Porto, MS | Cleveland, OH |
| | | | Atul F Kamath, MD | Cleveland, OH |

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| 12:07 PM | 12:12 PM | 237 | Research Quality vs. Quantity as Predictors of Match Success in Orthopedic Surgery Residency | |
| | | | Sia Cho | Chicago, IL |
| | | | Freddy Jacome, MD | Boston, MA |
| | | | Avani Chopra | Chicago, IL |
| | | | Justin Castonguay | Chicago, IL |
| | | | Justin Lee | Newark, NJ |
| | | | Matthew Weintraub | Newark, NJ |
| | | | Vincent Parise | Chicago, IL |
| | | | Alfonso Mejia, MD, MPH | Chicago, IL |
| | | | *Mehul M. Mittal | Chicago, IL |
| 12:13 PM | 12:18 PM | 238 | Psychological Characteristics Associated with Self-Harm Ideation in Adolescents and Young Adults with Hip Conditions | |
| | | | *Aaron M. Blom, BS | Iowa City, IA |
| | | | Taylor M. Murray, MHA | Iowa City, IA |
| | | | Ashley Kochuyt, BS | Iowa City, IA |
| | | | Yumeng Gao, MS | Iowa City, IA |
| | | | Courtney Seffker, PA-C | Iowa City, IA |
| | | | Natalie Glass, PhD | Iowa City, IA |
| | | | Jenna Jensen, RN, BSN | Iowa City, IA |
| | | | Robert Westermann, MD | Iowa City, IA |
| | | | Michael Willey, MD | Iowa City, IA |
| 12:19 PM | 12:24 PM | 239 | Increased Utilization of Assistive Reproductive Technologies Amongst Female Orthopedists | |
| | | | *Sarah N. Powell, MD | Omaha, NE |
| | | | John C. Hunting, MD, MPH | Winston-Salem, NC |
| | | | Elizabeth Lieberman, MD | Portland, OR |
| | | | Sara Putnam, MD | Omaha, NE |
| 12:25 PM | 12:30 PM | FLOOR DISCUSSION | | |
| 12:31 PM | 12:36 PM | 240 | Tuning In: Exploring the Impact of Orthopaedic Podcasts on Learning and Engagement | |
| | | | Julio Vandama, BS | Boca Raton, FL |
| | | | *Aghdas Movassaghi, BS | Grand Rapids, MI |
| | | | Jehad Feras ALSamhori, MD | Amman |
| | | | Elisheva Knopf, BS | Boca Raton, FL |
| | | | Jocelyn Lubert, MD | Sint Maarten |
| | | | Vani Sabesan, MD | Atlantis, FL |
| 12:37 PM | 12:42 PM | 241 | Off-Grid Augmented Reality as A Method for First-Time Performance of Orthopedic Surgical Procedures by Novice Medical Specialists in A Rural Environment | |
| | | | *Benjamin J. Van Bockern | Sioux Falls, SD |
| | | | Kyler A. Hardie, MD | Fargo, ND |
| | | | Nathan W. Skelley, MD | Sioux Falls, SD |

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| 12:43 PM | 12:48 PM | 242 | Exploring Barriers to Female Medical Student Involvement in Orthopaedics | |
| | | | *Mazie Atteberry | Omaha, NE |
| | | | Annemarie Leonard, MD | Omaha, NE |
| | | | Olivia Thomas, MD | Omaha, NE |
| | | | Sara Putnam, MD | Omaha, NE |
| 12:49 PM | 12:54 PM | 243 | The Assessment of Trends in Female Representation Among Orthopedic Surgery Residency Programs in the United States | |
| | | | LaMiah Hall, MD | Birmingham, AL |
| | | | Garrett J. Jebeles, BS | Birmingham, AL |
| | | | Simon P. Lalehzarian, MD, MHA, MS | Birmingham, AL |
| | | | Tyler N. Kelly, MD | Birmingham, AL |
| | | | Marc H. Bernstein, MD, MS | Birmingham, AL |
| | | | Margaret Fisher, MD | Birmingham, AL |
| | | | Payal Gupta, MBBS | Birmingham, AL |
| | | | *Jordan Myers, MPH, BS | Birmingham, AL |
| 12:55 PM | 1:00 PM | | FLOOR DISCUSSION | |