

MID-AMERICA ORTHOPAEDIC ASSOCIATION

41st Annual Meeting | April 10 – 14, 2024

Hyatt Regency Coconut Point Resort

Bonita Springs, FL

SCIENTIFIC PROGRAM

*Denotes speaker

WEDNESDAY, APRIL 10, 2024

8:00 AM – 2:30 PM

MAOA Pre-Meeting Course

Topic: Tips and Tricks from the Experts for Common Orthopedic Surgeries

Room: BLUE HERON

THURSDAY, APRIL 11, 2024

6:45 AM – 7:30 AM

Instructional Course I

Topic: **Tackling Total Joint Arthroplasty Infection in 2024: Everything You Always Wanted to Know But Were Afraid to Ask**

Room: BLUE HERON

Faculty: R. Michael Meneghini, M.D., Moderator
Fishers, IN

Anna Cohen-Rosenblum, M.D., MSc
Metairie, LA

Charles P. Hannon, M.D., M.B.A.
Rochester, MN

Leonard T. Buller, M.D.
Indianapolis, IN

6:45 AM – 7:30 AM

Instructional Course II

Topic: **Geriatric Distal Femur Fracture ORIF—Stick to the Principles to Minimize Risk of Complications**

Room: GREAT EGRET

Faculty: Brett D. Crist, M.D., FACS, Moderator
Columbia, MO

Kyle Schweser, M.D.
Columbia, MO

Daniel A. Bravin, M.D.
Springfield, MO

FIRST PLENARY SESSION

Room: Calusa ABCD

7:45 AM – 7:50 AM

Welcome and Introductory Remarks

Craig J. Della Valle, MD

Chicago, IL

2023 – 2024 President, MAOA

7:50 AM – 8:35 AM

Symposium I

Topic: **Knee: Cradle to Grave**

Faculty: Jeffrey A. Macalena, M.D., Moderator
Minneapolis, MN

Pediatric ACL-R
Kyle R. Duchman, M.D.
Iowa City, IA

What's New in ACL – Quad Tendon and LET
Jeffrey A. Macalena, M.D.
Minneapolis, MN

Not Quite Ready for Knee Replacement
David C. Flanigan, M.D.
Columbus, OH

The Pros and Cons of Robotic-Assisted TKA in 2024
Anna Cohen-Rosenblum, M.D.
Metairie, LA

8:36 AM – 9:09 AM

Scientific Paper Session #1

Co-Moderator: Matthew P. Abdel, M.D.
Rochester, MN

Co-Moderator: Craig J. Della Valle, M.D.
Chicago, IL

8:36 AM – 8:41 AM

1. Intraoperative Patellar Assessment and Postoperative Anterior Knee Pain Following Total Knee Arthroplasty

- *Michael J. Patetta, M.D. Chicago, IL
- Edward C. Beck, M.D., M.P.H. Chicago, IL
- Keith G. Whitlock, M.D. Chicago, IL
- Amit Parekh, M.D. Chicago, IL
- Kyle Kunze, M.D. Chicago, IL
- Apurva S. Choubey, M.D. Chicago, IL
- Brett A. Drake, B.S. Chicago, IL
- Anshum Sood, M.D. Chicago, IL
- Samuel Chmell, M.D. Chicago, IL
- Mark H. Gonzalez, M.D., Ph.D. Chicago, IL

- 8:42 AM – 8:47 AM **2. Extended Postoperative Aral Tranexamic Acid in Total Knee Arthroplasty: A Randomized Controlled Trial**
 *Mateo J. Kirwan, M.D. Memphis, TN
 Zachary R. Diltz, M.D. Memphis, TN
 Derek T. Dixon, B.S. Memphis, TN
 Carlos A. Rivera-Peraza, B.S. Memphis, TN
 Christal J. Gammage, Ph.D. Memphis, TN
 William M. Mihalko, M.D., Ph.D. Memphis, TN
 James W. Harkess, M.D. Memphis, TN
 James L. Guyton, M.D. Memphis, TN
 John R. Crockarell, M.D. Memphis, TN
 Marcus C. Ford, M.D. Memphis, TN
- 8:48 AM – 8:53 AM **3. Diaphyseal Impaction Grafting and Metaphyseal Cones in Revisions: Expansion and Extension of Index Series**
 Nicholas A. Bedard, M.D. Rochester, MN
 *Evan M. Dugdale, M.D. Rochester, MN
 Cory C. Couch, M.D. Rochester, MN
 David G. Lewallen, M.D. Rochester, MN
 Rafael J. Sierra, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN
- 8:54 AM – 8:59 AM **4. Are Culture-Negative Two-Stage Exchange Arthroplasties Associated with Inferior Treatment Success?**
 *George R. Kolettis, M.D. Indianapolis, IN
 Leonard T. Buller, M.D. Indianapolis, IN
 Evan R. Deckard, B.S.E. Noblesville, IN
 R. Michael Meneghini, M.D. Fishers, IN
- 8:59 AM – 9:09 AM **Floor Discussion**
- 9:10 AM – 9:40 AM **CLASSICS IN ORTHOPAEDICS**
 Speaker: **Michael J. Stuart, MD**
 Rochester, MN
- Topic: **Ice Hockey Injuries: My Experiences as a Hockey Doctor, Researcher, and Father**
- Introduced by: Craig J. Della Valle, MD
 Chicago, IL
- 9:41 AM – 9:47 AM **Introduction of Recipients of Education Grants, Multipurpose Resident Grants, and Traveling Fellowships**
 Introductions by: **Brett R. Levine, MD**
 Chicago, IL
- 9:48 AM – 9:53 AM **Traveling Fellowship Presentation**

- 9:54 AM – 9:59 AM **OREF Presentation**
Presented by: Lee Grossman, MBA, ML, CAE
 Chief Executive Officer, OREF
- 10:00 AM – 10:10 AM **Member Business Meeting**
Room: Calusa ABCD
- 10:00 AM – 10:30 AM **Poster Viewing** – presenters will be available (CME credit will be offered)
Room: Calusa Prefunction
- 10:00 AM – 10:30 AM **Coffee Break in Exhibit Area**
Calusa EFGH
- 10:30 AM – 11:00 AM **Ask the Expert & Open Case Discussions**
Topic: **Hip and Knee**
Room: Calusa ABCD
- Faculty: Michael J. Taunton, M.D., Moderator
 Rochester, MN
- Craig J. Della Valle, M.D.
 Chicago, IL
- Curtis W. Hartman, M.D.
 Omaha, NE
- R. Michael Meneghini, M.D.
 Fishers, IN
- 11:00 AM – 11:30 AM **Ask the Expert & Open Case Discussions**
Topic: **Shoulder and Elbow**
Room: Calusa ABCD
- Faculty: Jonathan D. Barlow, M.D., Moderator
 Rochester, MN
- Julie Y. Bishop, M.D.
 Columbus, OH
- Tyler J. Brolin, M.D.
 Germantown, TN
- Amy L. Speeckaert, M.D.
 Columbus, OH
- 11:30 AM – 12:15 PM **Company-Sponsored lunch/presentation | DePuy Synthes** (No CME offered)
Topic:
Room: Blue Heron
Speaker:

12:45 PM – 2:30 PM

FIVE BREAKOUTS TO RUN CONCURRENTLY

THURSDAY, APRIL 11, 2024
BREAKOUT SESSION #1 | HIP AND KNEE ARTHROPLASTY

ROOM: CALUSA ABCD

Co-Moderator: **Leonard T. Buller, M.D.**
Indianapolis, IN

Co-Moderator: **Jay R. Lieberman, M.D.**
Los Angeles, CA

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| 12:45 PM – 12:50 PM | 5. | 300 Periprosthetic Tibia Fractures: Classification and Outcomes from a Single Center | |
| | | Evan M. Dugdale, M.D. | Rochester, MN |
| | | *Thomas D. Alter, M.D. | Rochester, MN |
| | | Michael J. Stuart, M.D. | Rochester, MN |
| | | S. Andrew Sems, M.D. | Rochester, MN |
| | | Brandon J. Yuan, M.D. | Rochester, MN |
| | | Daniel J. Berry, M.D. | Rochester, MN |
| | | Matthew P. Abdel, M.D. | Rochester, MN |
| 12:51 PM – 12:56 PM | 6. | Uncemented Total Knee Arthroplasty is on the Rise. A Retrospective Review from the Michigan Arthroplasty Registry Collaborative Quality Initiative (MARCQI) | |
| | | Sarah Fried, B.S. | Rochester Hills, MI |
| | | Madeleine DeClercq, B.S. | Rochester Hills, MI |
| | | *Michael E. Sacchetti, MPH | Saginaw, MI |
| | | Jacob H. Keeley, M.S. | Rochester Hills, MI |
| | | Robert Runner, M.D. | Royal Oak, MI |
| 12:57 PM – 1:02 PM | 7. | Risk Factors for Failure of Same-Day Discharge Total Knee Arthroplasty | |
| | | *Kevin X. Farley, M.D., M.S. | Royal Oak, MI |
| | | Robert S. Dean, M.D. | Royal Oak, MI |
| | | Eli Auch, M.D. | Royal Oak, MI |
| | | Mark Karadsheh, M.D. | Royal Oak, MI |
| | | Drew Moore, M.D. | Royal Oak, MI |
| 1:03 PM – 1:08 PM | 8. | A Comparison of Charlson Comorbidity, Elixhauser Comorbidity, Frailty Indices to Predict Outcomes Following Total Knee Arthroplasty | |
| | | *Travis M. Kotzur, B.S. | San Antonio, TX |
| | | Aaron Singh, B.A. | San Antonio, TX |
| | | Lindsey Peng, B.S. | San Antonio, TX |
| | | Ahmed Makhani, M.D. | San Antonio, TX |
| | | Ali Seifi, M.D., FACP, FNCS, FCCM | San Antonio, TX |
| | | Chance Moore, M.D. | San Antonio, TX |

1:08 PM – 1:15 PM	Floor Discussion	
1:16 PM – 1:21 PM	9.	A Randomized Clinical Trial of Direct Anterior vs. Mini-Posterior THA: Small, Early Functional Differences Did Not Lead to Meaningful Clinical Differences at 7.5 Years Heather J. Roberts, M.D. Rochester, MN *Matthew L. Hadley, M.D. Rochester, MN Benjamin D. Mallinger B.S. Rochester, MN Rafael J. Sierra, M.D. Rochester, MN Robert T. Trousdale, M.D. Rochester, MN Mark W. Pagnano, M.D. Rochester, MN Michael J. Taunton, M.D. Rochester, MN
1:22 PM – 1:27 PM	10.	Surgical Approach and BMI Impact Risk of Wound Complications Following Primary Total Hip Arthroplasty *Harold I. Salmons IV, M.D. Rochester, MN Dirk R. Larson, M.S. Rochester, MN Cory G. Couch, M.D. Rochester, MN Joshua S. Bingham, M.D. Phoenix, AZ Cameron K. Ledford, M.D. Jacksonville, FL Robert T. Trousdale, M.D. Rochester, MN Michael J. Taunton, M.D. Rochester, MN Cody C. Wyles, M.D. Rochester, MN
1:28 PM – 1:33 PM	11.	No Revisions Attributable to Wear of Highly Cross-Linked Polyethylene Liners: A Minimum 20-Year Follow-up Study Matthew L. Hadley, M.D. Rochester, MN *Joshua R. Harmer, M.D. Rochester, MN Breydan H. Wright, M.D. Rochester, MN Kristin M. Fruth, B.S. Rochester, MN Rafael J. Sierra, M.D. Rochester, MN Cory G. Couch, M.D. Rochester, MN
1:34 PM – 1:39 PM	12.	Hemiarthroplasty vs. Total Hip Arthroplasty for Femoral Neck Fracture in the Elderly: An Analysis from the American Joint Replacement Registry *Harold I. Salmons IV, M.D. Rochester, MN Patrick Donnelly, M.A. Rosemont, IL Daniel K. Guy, M.D. Lagrange, GA Matthew P. Abdel, M.D. Rochester, MN
1:39 PM – 1:46 PM	Floor Discussion	
1:47 PM – 1:52 PM	Spotlight Lecture	Topic: <i>VTE Prophylaxis in the High Risk Total Joint Arthroplasty Patient</i> Speaker: Jay R. Lieberman, M.D. Los Angeles, CA

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| 1:53 PM – 1:58 PM | <p>13. Are Intra-Articular Corticosteroid Injections Safe Prior to Hip Arthroplasty?
 *Parker L. Brush, M.D. Springfield, IL
 Samuel Alfonsi, B.S. Springfield, IL
 Thomas Swiderski, B.S. Springfield, IL
 D. Gordon Allan, M.D. Springfield, IL
 Arjun Saxena, M.D. Springfield, IL</p> |
| 1:59 PM – 2:04 PM | <p>14. A Consecutive Series of Chronic Periprosthetic Joint Infections of the Hip and Knee Treated with a One-Stage Revision Arthroplasty Protocol
 Breana R. Siljander, M.D. Cleveland, OH
 Austin DeBoer, B.A. Minneapolis, MN
 Scott Lunos, M.S. Minneapolis, MN
 Michael Stojanovic, M.D. Minneapolis, MN
 Sandy Vang, B.A. Minneapolis, MN
 Jordan Barker, M.D. Minneapolis, MN
 *Scott B. Marston, M.D. Minneapolis, MN</p> |
| 2:05 PM – 2:10 PM | <p>15. Draining Sinus Tracts and Periprosthetic Joint Infections: Traditional Synovial Fluid Counts May Be Misleading
 *Kareme D. Alder, M.D. Rochester, MN
 Evan M. Dugdale, M.D. Rochester, MN
 Douglas R. Osmon, M.D. Rochester, MN
 Nicholas A. Bedard, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN</p> |
| 2:11 PM – 2:16 PM | <p>16. Preoperative Weight Loss Before Total Hip Arthroplasty Does Not Improve Postoperative Risks
 *Michael W. Seward, M.D. Rochester, MN
 Jessica A. Grimm, M.S. Rochester, MN
 Nicholas A. Bedard, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN</p> |
| 2:16 PM – 2:30 PM | <p>Floor Discussion</p> |

THURSDAY, APRIL 11, 2024
BREAKOUT SESSION #2 | SHOULDER AND ELBOW

ROOM: BLUE HERON

Co-Moderator: Jonathan D. Barlow, M.D.
Rochester, MN

Co-Moderator: Julie Y. Bishop, M.D.
Columbus, OH

12:45 PM – 12:50 PM

17. Arthroscopic Rotator Cuff Repair Outcomes Appear Unaffected by COVID-19 Pandemic Shut Down

Galo C. Bustamante, B.S.	Columbus, OH
Akshar V. Patel, B.S.	Columbus, OH
Andrew Stevens, B.S.	Columbus, OH
Vikas Munjal, B.S.	Columbus, OH
*Jordan Haber, B.S.	Columbus, OH
R. Mychael Dopirak, B.S.	Columbus, OH
Grant L. Jones, M.D.	Columbus, OH
Gregory L. Cvetanovich, M.D.	Columbus, OH
Julie Y. Bishop, M.D.	Columbus, OH
Ryan C. Rauck, M.D.	Columbus, OH

12:51 PM – 12:56 PM

18. Acromiohumeral Distance: Are Radiographic Factors Correlated with Outcomes After Reverse Shoulder Arthroplasty?

Vani J. Sabesan, M.D.	Boca Raton, FL
Feyikemi Ogunfuwa, B.S.	Boca Raton, FL
Ajay Desai, B.S.	Boca Raton, FL
Clyde Fomunung, B.S., M.B.A.	Boca Raton, FL
*Jake Goguen, B.S.	Boca Raton, FL
Garrett R. Jackson, M.D.	Boca Raton, FL
Howard Routman, D.O.	Boca Raton, FL

12:57 PM – 1:02 PM

19. Impact of Sling Use on Functional Mobility in a Geriatric Population

Sudarsan Murali M.D., M.B.A.	Birmingham, AL
Samuel Schick M.D.	Birmingham, AL
Kyle Paul M.D.	Birmingham, AL
John Manfredi M.D.	Birmingham, AL
Sean Young D.O.	Birmingham, AL
Marshall Williams, M.D.	Birmingham, AL
Eugene W. Brabston, M.D.	Birmingham, AL
Brent A. Ponce M.D.	Vidalia, GA
Amit Momaya M.D.	Birmingham, AL
*Matthew Hargreaves, B.S.	Birmingham, AL

- 1:03 PM – 1:08 PM **20. Effect of Preoperative Steroid Injections on Outcomes following Shoulder Arthroplasty**
 Sarah J. Girshfeld, B.S. Boca Raton, FL
 Brandon Macknofsky, B.S. Boca Raton, FL
 Gabriel Lama, B.S. Boca Raton, FL
 Clyde Fomunung, B.S. Boca Raton, FL
 Carlos A. Fernandez, M.D. Boca Raton, FL
 *Garrett R. Jackson, M.D. Boca Raton, FL
 Howard Routman, D.O. Boca Raton, FL
 Vani J. Sabesan, M.D. Boca Raton, FL
- 1:08 PM – 1:12 PM **Floor Discussion**
- 1:13 PM – 1:18 PM **21. Acromial and Scapular Fractures After Reverse Shoulder Arthroplasty: Comparison of Inlay vs. Onlay Humeral Design**
 *Stanley C. Eboh, M.D. Memphis, TN
 Erick M. Marigi, M.D. Rochester, MN
 John W. Sperling, M.D. Rochester, MN
 Frederick M. Azar, M.D. Memphis, TN
 Thomas W. Throckmorton, M.D. Memphis, TN
 John W. Sperling, Jr. Rochester, MN
 Andrew S. Pierce, M.D. Memphis, TN
 Tyler J. Brolin, M.D. Memphis, TN
- 1:19 PM – 1:24 PM **22. Operative Treatment of Acromial and Scapular Spine Fracture Nonunions Complicating Reverse Total Shoulder Arthroplasty**
 *Kristin E. Yu, M.D. Rochester, MN
 Erick M. Marigi, M.D. Rochester, MN
 Jennifer Tangtiphaiboontana, M.D. San Francisco, CA
 Daniel C. Austin, M.D. Lebanon, NH
 Jonathan D. Barlow, M.D., M.S. Rochester, MN
 Mark E. Morrey, M.D. Rochester, MN
 Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN
- 1:25 PM – 1:30 PM **23. Early Active Range of Motion (ROM) vs. Conservative Initial Immobilization Following Reverse Total Shoulder Arthroplasty (RSA)**
 Kevin Lindsay-Rivera, M.D. Detroit, MI
 Ryan Sanii, M.P.H. Detroit, MI
 Johnny K. Kasto, M.D. Detroit, MI
 Patricia A. Kolowich, M.D. Detroit, MI
 Jared M. Mahylis, M.D. Detroit, MI
 Eric C. Makhni, M.D. Detroit, MI
 Stephanie J. Muh, M.D. Detroit, MI
 *Julio Nerys-Figuero Detroit, MI

- 1:31 PM – 1:36 PM **24. Clinical and Radiographic Outcomes of Anatomic Total Shoulder Arthroplasty (TSA) with an Inset Glenoid for Posterior Glenoid Erosion: Minimum 2-year follow-up**
 *Kira Smith, B.S. Cleveland, OH
 John T. Strony, M.D. Cleveland, OH
 Peter S. Johnston, M.D. Leonardtown, MD
 Robert J. Gillespie, M.D. Cleveland, OH
 Raymond E. Chen, M.D. Cleveland, OH
- 1:37 PM – 1:42 PM **25. Anatomic vs. Reverse Total Shoulder Arthroplasty With Glenoid Retroversion of >15 Degrees In Rotator Cuff Intact Patients: A Comparison of Midterm Results**
 *Johnny K. Kasto, M.D. Detroit, MI
 Jared M. Mahylis, M.D. Detroit, MI
 Richard J. Friedman, M.D. Charleston, SC
 Stephanie J. Muh, M.D. Detroit, MI
- 1:42 PM – 1:46 PM **Floor Discussion**
- 1:47 PM – 1:52 PM **Spotlight Lecture**
 Topic: *Predicting Outcomes After Shoulder Arthroplasty: What Are We Missing?*
 Speaker: Joseph D. Zuckerman, M.D.
 New York, NY
- 1:53 PM – 1:58 PM **26. Higher Reoperation Rates Following Primary Rotator Cuff Repair in Patients Screening Positive for Depression**
 *Michael A. Gaudiani, M.D. Detroit, MI
 Joshua P. Castle, M.D. Detroit, MI
 Noah Elagamy, B.S. Detroit, MI
 Matthew Gasparro, B.S. Detroit, MI
 Susan G. Wager, B.S. Detroit, MI
 Mitchell Doerr, B.S. Detroit, MI
 Vasilios Moutzouros, M.D. Detroit, MI
 Stephanie J. Muh, M.D. Detroit, MI
 Eric C. Makhni, M.D., M.B.A. Detroit, MI
- 1:59 PM – 2:04 PM **27. Complication Rates After Shoulder Arthroplasty in Patients Aged 45 and Younger: A Multicenter Retrospective Study**
 *Blake D. Hajek, M.S. Memphis, TN
 Jeff Klott, M.D. Memphis, TN
 Erick M. Marigi, M.D. Rochester, MN
 Brian D. Wahlig, M.D. Rochester, MN
 John W. Sperling, M.D. Rochester, MN
 Jeff Murphy, M.S. Warsaw, IN
 Tyler J. Brolin, M.D. Memphis, TN
 Thomas W. Throckmorton, M.D. Memphis, TN

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| 2:05 PM – 2:10 PM | <p>28. Influence of Age and Sex on Meeting MCID Following Reverse Shoulder Arthroplasty</p> <p>Ali A. Mohamed, B.S., M.S. Boca Raton, FL
 Anna Redden, B.S. Boca Raton, FL
 Jared Kushner, B.S. Boca Raton, FL
 Clyde Fomunung, B.S., M.B.A. College Station, TX
 *Emma Eng, B.S. Boca Raton, FL
 Garrett R. Jackson, M.D. Lake Worth, FL
 Vani J. Sabesan, M.D. Lake Worth, FL
 Howard Routman, D.O. Lake Worth, FL</p> |
| 2:11 PM – 2:16 PM | <p>29. The Association Between Vitamin D Level and Outcomes After Shoulder Arthroplasty: A Single Center Retrospective Examination</p> <p>Ashley MacConnell, M.D. Chicago, IL
 Joshua Anderson, M.S. Chicago, IL
 Thomas Stanila, B.S. Chicago, IL
 Rob Hand, M.S. Chicago, IL
 *Amir Boubekri, M.D. Chicago, IL
 Nickolas Garbis, M.D. Chicago, IL
 Dane Salazar, M.D., MBA Chicago, IL</p> |
| 2:17 PM – 2:22 PM | <p>30. Comparing Orthopaedic Trainee Confidence While Performing Elbow Arthrocentesis: A Cadaveric Study</p> <p>*Amir M. Boubekri, M.D. Chicago, IL
 Hassan Farooq, M.D. Chicago, IL
 Madeline S. Tiee, M.D. Maywood, IL
 Jason E. Meldau, M.D. Maywood, IL
 Krishin Shivdasani, M.P.H. Maywood, IL
 Dane H. Salazar, M.D., M.B.A. Maywood, IL
 Nickolas G. Garbis, M.D. Maywood, IL</p> |
| 2:22 PM – 2:30 PM | <p>Floor Discussion</p> |

THURSDAY, APRIL 11, 2024
BREAKOUT SESSION #3 | SPORTS

ROOM: CAPTIVA

Co-Moderator: David C. Flanigan, M.D.
Columbus, OH

Co-Moderator: Michael J. Stuart, M.D.
Rochester, MN

- 12:45 PM – 12:50 PM **31. Trends in Operative Management of Patellofemoral Joint Instability: An American Board of Orthopaedic Surgery (ABOS) Park II Database Study**
- | | |
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| *Kailey Mansour, M.D. | Memphis, TN |
| Tyler J. Brolin, M.D. | Memphis, TN |
| Thomas W. Throckmorton, M.D. | Memphis, TN |
| David Spence, M.D. | Memphis, TN |
| Frederick M. Azar, M.D. | Memphis, TN |
| David L. Bernholt, M.D. | Memphis, TN |
- 12:51 PM – 12:56 PM **32. Arthroscopic Inlay Suprapectoral vs. Mini-Open Onlay Subpectoral Biceps Tenodesis: A Prospective, Randomized Analysis of Clinical Outcomes and Ultrasound-Assessed Structural Integrity**
- | | |
|---------------------------|---------------------|
| *Emma L. Klosterman, M.D. | Charlottesville, VA |
| Adam J. Tagliero, M.D. | Rochester, MN |
| Ian S. MacLean, M.D. | Chesapeake, VA |
| Anna Sumpter, B.A. | Charlottesville, VA |
| Kaitlyn Shank, A.T.C. | Charlottesville, VA |
| Jennifer Pierce, M.D. | Charlottesville, VA |
| Stephen Brockmeier, M.D. | Charlottesville, VA |
- 12:57 PM – 1:02 PM **33. Long-Term Comparative Outcomes of All-Inside vs. Inside-Out Repair of Bucket-Handle Meniscus Tears: A Cohort Study**
- | | |
|---------------------------|--------------|
| Abhinav A. Lamba, B.S. | Rochester MN |
| Mario Hevesi, M.D., Ph.D. | Rochester MN |
| Alexander M. Boos, B.A. | Rochester MN |
| Allen S. Wang, M.S. | Rochester MN |
| Sean C. Clark, M.S. | Rochester MN |
| *Xuankang Pan, B.S. | Rochester MN |
| Bruce A. Levy, M.D. | Rochester MN |
| Michael J. Stuart, M.D. | Rochester MN |
| Aaron J. Krych, M.D. | Rochester MN |

- 1:03 PM – 1:08 PM **34. Comparative Outcomes of Radial and Bucket-Handle Meniscal Tear Repair at Mean 10 Year Follow-Up: A Propensity-Matched Analysis**
 Abhinav A. Lamba, B.S. Rochester, MN
 Mario Hevesi M.D., Ph.D. Rochester, MN
 *Yining Lu, M.D. Rochester, MN
 Allen S. Wang, M.S. Rochester, MN
 Alexander M. Boos, B.A. Rochester, MN
 Karissa N. Simon, B.S. Rochester, MN
 Xuankang Pan, B.S. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
 Bruce A. Levy, M.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
- 1:08 PM – 1:15 PM **Floor Discussion**
- 1:16 PM – 1:21 PM **35. Predictors of Anterior Cruciate Ligament Re-Injury and Return to Sport in Adolescent Athletes**
 Bhargavi Maheshwer, M.D. Cleveland, OH
 Kallie J. Chen, M.D. Cleveland, OH
 *Penelope Halkiadakis, B.S. Cleveland, OH
 Andrew Paliobeis, M.D. Cleveland, OH
 Jacob G. Calcei, M.D. Cleveland, OH
 James E. Voos, M.D. Cleveland, OH
- 1:22 PM – 1:27 PM **36. Evaluation of Nonoperative and Operative Management of Anterior Cruciate Ligament Injuries in the Development of Post-traumatic Osteoarthritis: A Machine Learning Approach**
 *Kevin Jurgensmeier, M.D. Rochester, MN
 Yining Lu, M.D. Rochester, MN
 Abhinav A. Lamba, B.S. Rochester, MN
 Mario Hevesi M.D., Ph.D. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
- 1:28 PM – 1:33 PM **37. Impact of Lateral Extra-Articular Tenodesis on Return to Sport Following Anterior Cruciate Ligament (ACL) Reconstruction**
 *Elle M. McCormick, BBA Iowa City, IA
 Kyle R. Duchman, M.D. Iowa City, IA
 Qiang An, MBBS, M.P.H. Iowa City, IA
 Steven M. Leary, M.D. Iowa City, IA
 Brian R. Wolf, M.D., M.S. Iowa City, IA
 Robert W. Westermann, M.D. Iowa City, IA

- 1:34 PM – 1:39 PM **38. Isolated Medial Meniscus Root Tears: A Multicenter Analysis of Prognostic Variables for Achieving Patient Acceptable Symptomatic State After Repair**
 Alexander M. Boos, B.A. Rochester, MN
 Allen S. Wang, M.S. Rochester, MN
 Matthew M. Crowe, M.D. Rochester, MN
 Kostas J. Economopoulos, M.D. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
 Sean C. Clark, M.S. Rochester, MN
 *Xuankang Pan, B.S. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Mario Hevesi, M.D., Ph.D. Rochester, MN
- 1:39 PM – 1:46 PM **Floor Discussion**
- 1:47 PM – 1:52 PM **Spotlight Lecture**
 Topic: *Choose Inside-Out Meniscus Repair!*
 Speaker: Michael J. Stuart, M.D.
 Rochester, MN
- 1:53 PM – 1:58 PM **39. Long-Term Outcomes of Primary Hip Arthroscopy: Multicenter Analysis at Minimum 10-Year Follow-Up with Attention to Labral and Capsular Management**
 Alexander M. Boos, BA Rochester, MN
 Allen S. Wang, M.S. Rochester, MN
 Abhinav A. Lamba, B.S. Rochester, MN
 Xuankang Pan, B.S. Rochester, MN
 *Fabien Meta, M.D. Rochester, MN
 Cedric J. Ortiguera, M.D. Jacksonville, FL
 Bruce A. Levy, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Mario Hevesi, M.D., Ph.D. Rochester, MN
- 1:59 PM – 2:04 PM **40. Psychological Distress Measured by the OSPRO-YF is Common and Influences Perceived Hip Dysfunction in Young Adults**
 *Courtney Seffker, PA-C Iowa City, IA
 Robert W. Westermann, M.D. Iowa City, IA
 Taylor Murray Iowa City, IA
 Nick Bender Iowa City, IA
 Jenna Jensen Iowa City, IA
 Natalie A. Glass, Ph.D. Iowa City, IA
 Michael C. Willey, M.D. Iowa City, IA

2:05 PM – 2:10 PM

41. Impact of Previous Hip Arthroscopy on Outcomes of Periacetabular Osteotomy to Treat Hip Dysplasia

*Spencer Dempewolf	Iowa City, IA
Robert W. Westermann, M.D.	Iowa City, IA
Aspen C. Miller, B.S.	Iowa City, IA
Emiko Hasegawa	Iowa City, IA
Natalie A. Glass, Ph.D.	Iowa City, IA
Michael C. Willey, M.D.	Iowa City, IA

2:11 PM – 2:16 PM

42. Efficacy of Intraoperative Intra-articular Morphine on Postoperative Pain and Opioid Consumption Following Hip Arthroscopy

*Steele M. L. McCulley, B.S.	Iowa City, IA
Jace Lapierre, B.S.	Iowa City, IA
Courtney Seffker, PA-C	Iowa City, IA
Qiang An, MBBS	Iowa City, IA
Robert W. Westermann, M.D.	Iowa City, IA

2:16 PM – 2:30 PM

Floor Discussion

THURSDAY, APRIL 11, 2024
BREAKOUT SESSION #4 | TRAUMA

ROOM: GREAT EGRET

Co-Moderator: Lisa K. Cannada, M.D.
 Jacksonville, FL

Co-Moderator: William W. Cross III, M.D.
 Rochester, MN

12:45 PM – 12:50 PM

43. A Comparison of Geriatric Periprosthetic Distal Femur Fractures Treated with Open Reduction Internal Fixation, Retrograde Intramedullary Nail, or Distal Femoral Replacement

*Margaret A. Sinkler, M.D.	Cleveland, OH
Alex Benedick, M.D.	Cleveland, OH
Noah Joseph, M.D.	Tampa, FL
Robert Wetzels, M.D.	Cleveland, OH
John Sontich, M.D.	Cleveland, OH
Joshua Napora, M.D.	Cleveland, OH
Brendan Patterson, M.D.	Cleveland, OH
Heather Vallier, M.D.	Cleveland, OH
George Ochenjele, M.D.	Cleveland OH

12:51PM – 12:56 PM

44. Buttress Fixation of the Posterior Malleolar Fragment (PMF) is Safe and Permits Early Weightbearing After Trimalleolar Ankle Fracture

*John P. Bonamer, B.S.	Cincinnati, OH
Jonathan D. Ellis, M.D.	Cincinnati, OH
Sarah C. Kurkowski, M.D.	Cincinnati, OH
Brian Johnson, M.D.	Cincinnati, OH
Andrew S. Emmert	Cincinnati, OH
Henry Kuechly	Cincinnati, OH
Michael J. Beltran, M.D.	Cincinnati, OH

12:57 PM – 1:02 PM

45. Institutional Experience: Impact of Fracture Liaison Service on Fragility Femur Fracture Outcomes

*Alex J. Demers, M.D.	Iowa City, IA
Lori Fitton, Ph.D., ARNP	Iowa City, IA
Steele M. L. McCulley, B.S.	Iowa City, IA
Irving Delgado-Arellanes, B.S.	Iowa City, IA
Aspen C. Miller, B.S.	Iowa City, IA
Michael C. Willey, M.D.	Iowa City, IA

- 1:03 PM – 1:08 PM **46. Evaluating The Utility of Post-Reduction Imaging For Simple Hip Dislocations: Is Computed Tomography Always Necessary?**
 Samuel D. Stegelmann, M.D. Toledo, OH
 Roman Rahmani, D.O. Toledo, OH
 Matthew Tille, B.S. Toledo, OH
 *Samuel G. Eaddy, M.S. Toledo, OH
 Seth A. Phillips, D.O. Toledo, OH
- 1:08 PM – 1:15 PM **Floor Discussion**
- 1:16 PM – 1:21 PM **47. Nutrition Matters! Inadequate Protein Intake is Associated with Worse Physical Function After Femoral Fragility Fracture**
 Aspen C. Miller, B.S. Iowa City, IA
 John Davison, M.P.H. Iowa City, IA
 Lisa Reider, Ph.D. Baltimore, MD
 Natalie A. Glass, Ph.D. Iowa City, IA
 Tessa Kirkpatrick, B.S. Eugene, OR
 Daniel C. Fitzpatrick, M.D. Eugene, OR*
 *Michael C. Willey, M.D. Iowa City, IA
- 1:22 PM – 1:27 PM **48. Does Removal of Retained Bullet Fragments at Time of Internal Fixation Reduce the Risk of Deep Infection?**
 *Adrian W. Olson, D.O. Berkley, MI
 Usher M. Khan Commerce, MI
 Valarie J. Davidson, D.O. Detroit, MI
 Lianne R. Wagner, D.O. Royal Oak, MI
 Benjamin Diedring, D.O. Royal Oak, MI
 Adam M. Fahs, M.D. Detroit, MI
 Benjamin J. Best, D.O. Detroit, MI
- 1:28 PM – 1:33 PM **49. Outcomes and Risks Associated with Timing to Subsequent Hip Fractures**
 *Paige N. Chapman, M.D. Toledo, OH
 Gregory M. Georgiadis, M.D. Toledo, OH
 Sara Seegert, M.S.N. Toledo, OH
 Benjamin Russell, M.S. Toledo, OH
 Kristin Gardner, RN Toledo, OH
 Jeffrey M. Bair, M.D. Toledo, OH
 Jason C. Tank, M.D. Toledo, OH
- 1:34 PM – 1:39 PM **50. Cannulated Screws or Hemiarthroplasty for Femoral Neck Fractures: Is There a Mortality Difference?**
 *Austen L. Thompson, M.D., Ph.D. Rochester, MN
 Nicolas P. Kuttner, M.D. Rochester, MN
 Marc Greenberg, M.D. Baltimore, MD
 Ankur Khanna, B.S. Rochester, MN
 Krystin A. Hidden, M.D. Rochester, MN
 Brandon J. Yuan, M.D. Rochester, MN
- 1:39 PM – 1:46 PM **Floor Discussion**

1:47 PM – 1:52 PM	Spotlight Lecture	
	Topic:	<i>New Thoughts on Patellar Fixation</i>
	Speaker:	Paul Tornetta III, M.D., Ph.D. Boston, MA
1:53 PM – 1:58 PM	51.	Femoral Shaft Fracture Characteristics Predictive of Ipsilateral Femoral Neck Fractures
		*Matthew T. Yeager, B.A. Birmingham, AL
		David Woodard, M.D. Loma Linda, CA
		Matthew Quinn, M.D. Providence, RI
		Rebecca A. Rajfer, M.D. Loma Linda, CA
		Andrew Evans, M.D. Providence, RI
		Rodney Arthur, M.D. Birmingham, AL
		Clay Spitler, M.D. Birmingham, AL
		Joseph P. Johnson, M.D. Birmingham, AL
		Ashish Shah, M.D. Birmingham, AL
1:59 PM – 2:04 PM	52.	Characteristics of Fracture Related Infection Predicting Lower Extremity Amputation
		Matthew T. Yeager, B.A. Birmingham, AL
		Karen J. Carter, B.S. Birmingham, AL
		Collier Campbell, M.D. Birmingham, AL
		*Robert W. Rutz, M.D. Birmingham, AL
		Zuhair J. Mohammed, B.S. Birmingham, AL
		Jonathan Quade, M.D. Birmingham, AL
		Joseph P. Johnson, M.D. Birmingham, AL
		Clay A. Spitler, M.D. Birmingham, AL
		Ashish Shah, M.D. Birmingham, AL
		Elizabeth Marks Benson, MS Birmingham, AL
		Evan G. Gross, BS Birmingham, AL
2:05 PM – 2:10 PM	53.	Percutaneous Intramedullary Steinman Pins for Treatment of Pediatric Forearm Fractures
		*Alyssa A. Basdavanos, B.S. Akron, OH
		Trinity A. Kronk, B.S. Akron, OH
		Richard P. Steiner, Ph.D. Akron, OH
		Lorena V. Floccari, M.D. Akron, OH
2:11 PM – 2:16 PM	54.	Surgical Treatment of Pediatric Open Forearm Fractures with or without Fixation
		*Trinity A. Kronk, B.S. Akron, OH
		Richard P. Steiner, Ph.D. Akron, OH
		Lorena V. Floccari, M.D. Akron, OH
2:16 PM – 2:30 PM	Floor Discussion	

- 1:03 PM – 1:08 PM **58. Trends in Nutritional, Functional, and Bone Health Optimization Amongst Spine Surgeons: A National Survey**
 *Fong H. Nham, M.D. Detroit, MI
 Devan O. Higginbotham, M.D. Detroit, MI
 Mouhanad M. El-Othmani, M.D. New York, NY
 Daniel Alsoof, MBBS East Providence, RI
 Scott A. McCarty, M.D. Detroit, MI
 Robert A. Hart, M.D. Seattle, WA
 Alan H. Daniels, M.D. East Providence, RI
- 1:08 PM – 1:15 PM **Floor Discussion**
- 1:16 PM – 1:21 PM **59. A Comparison of Two Central Sacral Vertical Line Methods and their Effect on Curve Correction**
 *Varun K. Ravi, BBA Dallas, TX
 Adam Jamnik, B.A. Dallas, TX
 Alexander Turner, B.S. Dallas, TX
 Emeka Andrews, B.S. Dallas, TX
 Yves Jordan Kenfack, B.S. Dallas, TX
 David C. Thornberg, B.S. Dallas, TX
 Jaysson T. Brooks, M.D. Dallas, TX
- 1:22 PM – 1:27 PM **60. Elevated Prevalence of Idiopathic Scoliosis in Professional Female Ballet Performers: An Association Between Professional Ballet, Scoliosis, Body Composition, and Skeletal Structure**
 *Bradley S. Lambert, Ph.D. Houston, TX
 Varan Haghshenas, M.D. Houston, TX
 Kevin Bondar, M.D. Houston, TX
 Ayana Wilson, M.D. Houston, TX
 Justin Aflatooni, M.D. Houston, TX
 Takashi Hirase, M.D. Houston, TX
 Patrick C. McCulloch, M.D. Houston, TX
 Joshua D. Harris, M.D. Houston, TX
 Kevin Varner, M.D. Houston, TX
 Comron Saifi, M.D. Houston, TX
- 1:28 PM – 1:33 PM **61. Stop, Don't Drop: A Prospective Study of Gait Stability following Vertebral Body Tethering vs. Fusion**
 *Christina M. Regan, B.S. Phoenix, AZ
 Julia Todderud, B.A. Rochester, MN
 Anthony A. Stans, M.D. Rochester, MN
 William J. Shaughnessy, M.D. Rochester, MN
 A. Noelle Larson, M.D. Rochester, MN
 Todd A. Milbrandt, M.D. Rochester, MN

1:34 PM – 1:39 PM	<p>62. Chronic Absenteeism in Scoliosis Care: an Analysis of Missed Work and School</p> <p>Christina M. Regan, B.S. Phoenix, AZ *Charles P. Nolte, B.S. Rochester, MN Julia Todderud, B.A. Rochester, MN William J. Shaughnessy, M.D. Rochester, MN Anthony A. Stans, M.D. Rochester, MN Todd A. Milbrandt, M.D. Rochester, MN A. Noelle Larson, M.D. Rochester, MN</p>
1:39 PM – 1:46 PM	<p>Floor Discussion</p>
1:47 PM – 1:52 PM	<p>Spotlight Lecture</p> <p>Topic: <i>Pearls & Pitfalls in Metastatic Spine Disease</i> Speaker: Mohammed Karim, M.D. Rochester, MN</p>
1:53 PM – 1:58 PM	<p>63. Automated Deep Learning Measurement of Interscrew Angles in Vertebral Body Tethering</p> <p>Christina M. Regan, B.S. Rochester, MN Kellen Mulford, Ph.D. Rochester, MN Charles P. Nolte, B.S. Rochester, MN *Zachariah W. Pinter, M.D. Rochester, MN Todd A. Milbrandt, M.D. Rochester, MN Cody C. Wyles, M.D. Rochester, MN A. Noelle Larson, M.D. Rochester, MN</p>
1:59 PM – 2:04 PM	<p>64. Unilateral Atlantoaxial Joint Vertical Distraction Injuries: Is a Collar Enough?</p> <p>*Zuhair Jameel Mohammed, B.S. Birmingham, AL Robert Rutz, M.D. Birmingham, AL Matthew Yeager, B.A. Birmingham, AL Connor Donley, M.D. Boca Raton, FL Ashish B. Shah, M.D. Birmingham, AL Steven M. Theiss, M.D. Birmingham, AL</p>
2:05 PM – 2:10 PM	<p>65. Social Vulnerability Index (SVI) can be used to Predict Healthcare Resource Utilization and Persistent Opioid Use After Elective Lumbar Spine Surgery</p> <p>Mark A. Plantz, M.D. Chicago, IL David Fei-Zhang, B.S. Chicago, IL *Tyler Compton, M.D. Chicago, IL Jeremy S. Marx, M.D. Chicago, IL Erik B. Gerlach, M.D. Chicago, IL Jason Tegethoff, M.D. Chicago, IL Srikanth Divi, M.D. Chicago, IL Wellington K. Hsu, M.D. Chicago, IL Alpesh A. Patel, M.D., M.D.A. Chicago, IL</p>

2:11 PM – 2:16 PM

66. Factors Predisposing Discharge to Skilled Nursing Facility After Surgery for Degenerative Cervical Myelopathy: A Retrospective Analysis

*Megan E. Callaghan, B.S.	Cleveland, OH
Andy Kuo, B.S.	Cleveland, OH
Anthony N. Baumann, D.P.T.	Rootstown, OH
Christopher G. Furey, M.D.	Cleveland, OH
Christina W. Cheng, M.D.	Cleveland, OH

2:16 PM – 2:30 PM

Floor Discussion

FRIDAY, APRIL 12, 2024

6:45 AM - 7:30 AM

Instructional Course III

Topic: **Fractures and Forgetfulness: A Comprehensive Approach to Hip Fractures in Dementia**

Room: BLUE HERON

Faculty: Alfonso Mejia, M.D., M.P.H., Moderator
Chicago, IL

Mark H. Gonzalez, M.D., Ph.D.
Chicago, IL

Brandi R. Hartley, M.D.
Louisville, KY

Matthew D. Karam, M.D.
Iowa City, IA

6:45 AM - 7:30 AM

Instructional Course IV

Topic: **A Note to My Younger Self: The Three Things I Wish I Knew When I Started My Career**

Room: GREAT EGRET

Faculty: Craig J. Della Valle, M.D., Moderator
Chicago, IL

Actions Speak Louder Than Words
Lisa K. Cannada, M.D.
Jacksonville, FL

Three Things I Wish I Knew When I Started My Career
Craig R. Mahoney, M.D.
West Des Moines, IA

Three Things I Would Tell My Younger Self
Erik T. Otterberg, M.D.
Omaha, NE

If I Could Do It Over
Norman S. Turner, M.D.
Rochester, MN

SECOND PLENARY SESSION

Room: Calusa ABCD

Co-Moderator: **David G. Lewallen, M.D.**
Rochester, MN

Co-Moderator: **Jeffrey R. McLaughlin, M.D.**
Oshkosh, WI

7:45 AM – 7:50 AM

Assemble/Announcements

7:50 AM – 8:30 AM

Symposium II

Topic: **The Business of Orthopedic Medicine: What You Need to Know in 2024!**

Faculty: Charles P. Hannon, M.D., M.B.A., Moderator
Rochester, MN

An Overview of the Pros and Cons of Different Practice Models in 2024: It's No Longer Just Academic or Private

Glenn D. Wera, M.D.
Avon, OH

How to Know if the Job You Have or Are Looking at is Right for You

Nicholas A. Bedard, M.D.
Rochester, MN

Ancillary Revenue Streams in 2024: Are ASCs Still the Golden Goose?

Craig J. Della Valle, M.D.
Chicago, IL

Private Equity (PE) is Here to Stay: How to Extract Value from PE for Your Practice

R. Michael Meneghini, M.D.
Fishers, IN

8:31 AM – 9:01 AM

PRESIDENTIAL GUEST SPEAKER

Speaker: **Joseph D. Zuckerman, MD**
New York, NY

Topic: **Diversity in Orthopedic Training: One Man's View**

Introduced by: Craig J. Della Valle, MD
Chicago, IL

9:02 AM - 9:07 AM

**Presentation of Mid-America Orthopaedic Association Physician in Training Award
Winners for Excellence in Medical Writing**

Edward D. Henderson Award – JaeWon Yan, M.D.
E. W. Johnson, Jr. Award – Jacob F. Oeding, M.S.
Carl L. Nelson Award – John T. Strony, M.D.
Dallas B. Phemister Award – Nicolas P. Kuttner, M.D.

Presented by: Matthew P. Abdel, MD
Rochester, MN

9:08 AM - 9:13 AM

**67. Edward D. Henderson, M.D. Award Presentation
A Randomized Controlled Trial Evaluating Duloxetine on Postoperative
Outcomes Following Primary Total Knee Arthroplasty**

*JaeWon Yang, M.D.	Seattle, WA
Matthew T. Weintraub, M.D.	Chicago, IL
Anne DeBenedetti, M.Sc.	Chicago, IL
COL. (ret) Tad L. Gerlinger, M.D.	Chicago, IL
Vasili Karas, M.D., M.S.	Chicago, IL
Denis Nam, M.D., M.Sc.	Chicago, IL
Craig J. Della Valle, M.D.	Chicago, IL

9:14 AM - 9:19 AM

**68. E. W. Johnson, Jr., M.D. Award Presentation
Predicting and Understanding the Risk for Shoulder and Elbow Injuries in
Major League Baseball Pitchers: A Game-Theory-Based Machine Learning
Approach**

Jacob F. Oeding, M.S.	Rochester, MN
Alex M. Boos, B.A.	Rochester, MN
Karissa Simon, B.S.	Rochester, MN
Fabien Meta, M.D.	Rochester, MN
Josh Kalk, M.S.	Minneapolis, MN
Martijn Verhoeven, Ph.D.	Minneapolis, MN
Dane Sorensen, MSc	Minneapolis, MN
*Christopher L. Camp, M.D.	Rochester, MN

9:20 AM – 9:25 AM

**69. Carl L. Nelson, M.D. Award Presentation
The Role of Genetic Sequencing in the Diagnosis of Shoulder Periprosthetic
Joint Infection**

*John T. Strony, M.D.	Cleveland, OH
Kira Smith, B.S.	Cleveland, OH
Molly Piper, B.S.	Cleveland, OH
Elisabeth Kroneberger, B.S.	Cleveland, OH
Margaret A. Sinkler, M.D.	Cleveland, OH
Kali Stevens, M.D.	Cleveland, OH
Jacob G. Calcei, M.D.	Cleveland, OH
Raymond E. Chen, M.D.	Cleveland, OH
Robert J. Gillespie, M.D.	Cleveland, OH

- 9:26 AM – 9:31 AM **70. Dallas B. Phemister, M.D. Award Presentation**
**Severely Obese Patients Undergoing Ankle Arthrodesis Experience Higher
 Complication and Failure Rates**
 *Nicolas P. Kuttner, M.D. Columbus, OH
 Aaron R. Owen, M.D. Rochester, MN
 Harold B. Kitaoka, M.D. Rochester, MN
 Daniel B. Ryssman, M.D. Rochester, MN
 Norman S. Turner, M.D. Rochester, MN
- 9:31 AM – 9:38 AM **Floor Discussion**
- 9:39 AM - 10:09 AM **CLASSICS IN ORTHOPAEDICS**
 Speaker: **Paul Tornetta III, M.D., Ph.D.**
 Boston, MA
- Topic: **Syndesmotic Injuries**
- Introduced by: Craig J. Della Valle, M.D.
 Chicago, IL
- 10:10 AM – 10:15 AM **Floor Discussion**
- 10:15 AM – 10:45 AM **Poster Viewing** – presenters will be available (CME credit will be offered)
 Room: Calusa Prefunction
- 10:15 AM – 10:45 AM **Coffee Break in Exhibit Area**
 Calusa EFGH

10:45 AM – 12:45 PM

FIVE BREAKOUTS TO RUN CONCURRENTLY

FRIDAY, APRIL 12, 2024
BREAKOUT SESSION #6 | HAND AND WRIST

ROOM: CAPTIVA

Co-Moderator: Joseph A. Buckwalter V, M.D., Ph.D.
Iowa City, IA

Co-Moderator: Alfonso Mejia, M.D., M.P.H.
Chicago, IL

10:45 AM – 10:50 AM

- 71. CANCEL 04-12-24**
~~Comparing the Intensity of Pain and Incidence of Flare Reaction Following Trigger Finger Injections Using Betamethasone and Methylprednisolone: A Double-Blinded, Randomized Controlled Trial~~
*Samuel Schick, M.D. Chicago, IL
Kareem Wasef Morgantown, WV
Mark Haft Morgantown, WV
Skylar Braga, M.D. Morgantown, WV
John Taras, M.D. Morgantown, WV
Bonhomme Prud'homme, M.D. Morgantown, WV
Andrea Lese, M.D. Morgantown, WV
Shafic Sraj, M.D. Morgantown, WV

10:51 AM – 10:56 AM

- 72. Is There a Role for Diabetes Stewardship in Orthopedics? Observations from a Hand and Upper Extremity Surgery Clinic**
*Christopher Cheng, M.D. Cleveland, OH
Kali Stevens, M.D. Cleveland, OH
Sarah Poirier, M.D. Cleveland, OH
Mark Kodsy, M.D. Cleveland, OH
Oliver Dong, B.A. Cleveland, OH
Adrienne Lee, M.D. Cleveland, OH
Blaine Bafus, M.D. Cleveland, OH

10:57 AM - 11:02 AM

- 73. Synthetic Tape Augmentation for Thumb Metacarpophalangeal Radial Collateral Ligament Repair Reduces Number of Revision Surgeries**
*Sarah H. Townsley, M.D. Rochester, MN
Sanjeev Kakar, M.D. Rochester, MN

11:02 AM - 11:09 AM

Floor Discussion

11:10 AM - 11:15 AM

- 74. Retrospective Analysis of Treatment Techniques for Adolescents with Camptodactyly**
*Clayton Vesperman Milwaukee, WI
Jessica Hanley, M.D. Milwaukee, WI

11:16 AM - 11:21 AM	<p>75. The Effectiveness of a Dynamic Stability Therapy Protocol in the Treatment of CMC Arthritis</p>																				
	<table border="0"> <tbody> <tr> <td>*Peter M. Cirrincione, B.A.</td> <td>Rockford, IL</td> </tr> <tr> <td>Gabrielle R. Kuhn, M.D.</td> <td>Marshall, IL</td> </tr> <tr> <td>Jacquelyn M. Roggenbuck, O.T.R./L., C.H.T.</td> <td>Elgin, IL</td> </tr> <tr> <td>Brittany M. Lala, M.D.</td> <td>New York, NY</td> </tr> <tr> <td>Samuel J. Mosiman, M.S.</td> <td>Madison, WI</td> </tr> <tr> <td>Brian J. Bear, M.D.</td> <td>Rockford, IL</td> </tr> </tbody> </table>	*Peter M. Cirrincione, B.A.	Rockford, IL	Gabrielle R. Kuhn, M.D.	Marshall, IL	Jacquelyn M. Roggenbuck, O.T.R./L., C.H.T.	Elgin, IL	Brittany M. Lala, M.D.	New York, NY	Samuel J. Mosiman, M.S.	Madison, WI	Brian J. Bear, M.D.	Rockford, IL								
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11:22 AM - 11:27 AM	<p>76. Surgical Management of Painful Carpal Boss</p>																				
	<table border="0"> <tbody> <tr> <td>*Abigail J. Bardwell, D.O.</td> <td>Rochester, MN</td> </tr> <tr> <td>Courtney R. Carlson Strother, M.D.</td> <td>Rochester, MN</td> </tr> <tr> <td>Taylor P. Trentadue, B.S.</td> <td>Rochester, MN</td> </tr> <tr> <td>Marco Rizzo, M.D.</td> <td>Rochester, MN</td> </tr> </tbody> </table>	*Abigail J. Bardwell, D.O.	Rochester, MN	Courtney R. Carlson Strother, M.D.	Rochester, MN	Taylor P. Trentadue, B.S.	Rochester, MN	Marco Rizzo, M.D.	Rochester, MN												
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Marco Rizzo, M.D.	Rochester, MN																				
11:27 AM - 11:34 AM	Floor Discussion																				
11:35 AM – 11:40 AM	<p>Spotlight Lecture</p> <p>Topic: <i>Cubital tunnel syndrome: My Approach to Evaluation and Management</i></p> <p>Speaker: Peter C. Rhee, D.O., M.S. Rochester, MN</p>																				
11:41 AM – 11:46 AM	<p>77. Reporting of Complications in Randomized Controlled Trials Cited as Supporting Evidence Underpinning AAOS CPG Recommendations for the Management of Carpal Tunnel Syndrome: Application of the CONSORT Harms Checklist</p>																				
	<table border="0"> <tbody> <tr> <td>Cole R. Phelps, B.S.</td> <td>Tulsa, OK</td> </tr> <tr> <td>Jessica Hardin, B.S.</td> <td>Tulsa, OK</td> </tr> <tr> <td>Conner Howard, B.S.</td> <td>Tulsa, OK</td> </tr> <tr> <td>J. Michael Anderson, D.O.</td> <td>Tulsa, OK</td> </tr> <tr> <td>Reece M. Anderson, M.P.H.</td> <td>Tulsa, OK</td> </tr> <tr> <td>Thuc K. Vu, B.S.</td> <td>Kansas City, MO</td> </tr> <tr> <td>Brian Chalkin, D.O.</td> <td>Tulsa, OK</td> </tr> <tr> <td>Keivan Abtahi, D.O.</td> <td>Tulsa, OK</td> </tr> <tr> <td>Matt Vassar, Ph.D.</td> <td>Tulsa, OK</td> </tr> <tr> <td>*Jake X. Checketts, D.O.</td> <td>Tulsa, OK</td> </tr> </tbody> </table>	Cole R. Phelps, B.S.	Tulsa, OK	Jessica Hardin, B.S.	Tulsa, OK	Conner Howard, B.S.	Tulsa, OK	J. Michael Anderson, D.O.	Tulsa, OK	Reece M. Anderson, M.P.H.	Tulsa, OK	Thuc K. Vu, B.S.	Kansas City, MO	Brian Chalkin, D.O.	Tulsa, OK	Keivan Abtahi, D.O.	Tulsa, OK	Matt Vassar, Ph.D.	Tulsa, OK	*Jake X. Checketts, D.O.	Tulsa, OK
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Reece M. Anderson, M.P.H.	Tulsa, OK																				
Thuc K. Vu, B.S.	Kansas City, MO																				
Brian Chalkin, D.O.	Tulsa, OK																				
Keivan Abtahi, D.O.	Tulsa, OK																				
Matt Vassar, Ph.D.	Tulsa, OK																				
*Jake X. Checketts, D.O.	Tulsa, OK																				
11:47 AM – 11:52 AM	<p>78. Patients with Double Crush Syndrome Achieve Similar Rates of Clinical Improvement Following Carpal Tunnel Release</p>																				
	<table border="0"> <tbody> <tr> <td>*Logan Hansen, M.D.</td> <td>Detroit, MI</td> </tr> <tr> <td>Ani Kazanjian, M.D.,</td> <td>Detroit, MI</td> </tr> <tr> <td>Nicholas Livingston, M.D.</td> <td>Detroit, MI</td> </tr> <tr> <td>Eric Jiang, M.D.</td> <td>Detroit, MI</td> </tr> <tr> <td>Noah Hodson, M.D.</td> <td>Detroit, MI</td> </tr> <tr> <td>Stephanie J. Muh, M.D.</td> <td>Detroit, MI</td> </tr> <tr> <td>Charles Day, M.D.</td> <td>Detroit, MI</td> </tr> </tbody> </table>	*Logan Hansen, M.D.	Detroit, MI	Ani Kazanjian, M.D.,	Detroit, MI	Nicholas Livingston, M.D.	Detroit, MI	Eric Jiang, M.D.	Detroit, MI	Noah Hodson, M.D.	Detroit, MI	Stephanie J. Muh, M.D.	Detroit, MI	Charles Day, M.D.	Detroit, MI						
*Logan Hansen, M.D.	Detroit, MI																				
Ani Kazanjian, M.D.,	Detroit, MI																				
Nicholas Livingston, M.D.	Detroit, MI																				
Eric Jiang, M.D.	Detroit, MI																				
Noah Hodson, M.D.	Detroit, MI																				
Stephanie J. Muh, M.D.	Detroit, MI																				
Charles Day, M.D.	Detroit, MI																				
11:53 AM - 11:58 AM	<p>79. Time to Surgery and Quality of Reduction in Distal Radius Fractures</p>																				
	<table border="0"> <tbody> <tr> <td>*Georgina Glogovac, M.D.</td> <td>Cincinnati, OH</td> </tr> <tr> <td>Phillip R. Ross, M.D.</td> <td>Cincinnati, OH</td> </tr> </tbody> </table>	*Georgina Glogovac, M.D.	Cincinnati, OH	Phillip R. Ross, M.D.	Cincinnati, OH																
*Georgina Glogovac, M.D.	Cincinnati, OH																				
Phillip R. Ross, M.D.	Cincinnati, OH																				

11:59 AM – 12:04 PM	80. Fractional Lengthening of Forearm Flexor Tendons: A Cadaveric Biomechanical Analysis *Dang-Huy Do, M.D. Dallas, TX Nathan Heineman, M.D. Dallas, TX Jennifer L. Crook, B.A., B.S. Memphis, TN Junho Ahn, M.D. Dallas, TX Douglas Sammer, M.D. Dallas, TX Daniel M. Koehler, M.D. Dallas, TX
12:04 PM – 12:11 PM	Floor Discussion
12:12 PM – 12:17 PM	81. Cost Comparison of Intramedullary Screw Fixation of Metacarpal Fractures vs. Open Reduction and Internal Fixation with Plate and Screw Technique Stephanie Choo, M.D. Columbia, MO Amanda Faust, B.S. Columbia, MO *Luke Troyer, B.S. Columbia, MO Rachel Phillips, M.D. Columbia, MO Daniel London, M.D. Columbia, MO Julia Nuelle, M.D. Columbia, MO
12:18 PM - 12:23 PM	82. Outcomes of Hemi-Hamate Arthroplasty for Proximal Interphalangeal Joint Reconstruction Shelby Smith M.D. Chicago, IL Andre Sabet, B.A., M.S. Chicago, IL *John Hoy Chicago, IL John Fernandez M.D. Chicago IL Mark Cohen M.D. Chicago, IL Xavier Simcock M.D. Chicago, IL Robert Wysocki, M.D. Chicago, IL
12:24 PM - 12:29 PM	83. Other Surgical Factors Associated with Thumb CMC Joint Arthroplasty: It's Not Just About Technique *Connor P. Littlefield, B.A. Iowa City, IA Ignacio Garcia Fleury, M.D. Iowa City, IA Kirk Welsh, B.S. Iowa City, IA Qiang An, M.S. Iowa City, IA David Knowles, M.D. Iowa City, IA Joseph A. Buckwalter V, M.D., Ph.D. Iowa City, IA
12:30 PM - 12:35 PM	84. Identifying Ideal Screw Placement For Scaphoid Waist Fracture Fixation From The Dorsal Approach *James R. Cardinal, M.D. Iowa City, IA Steven Long, Ph.D. Iowa City, IA Matthew McIlrath, M.D. Iowa City, IA Natalie A. Glass, Ph.D. Iowa City, IA Ignacio Garcia Fleury, M.D. Iowa City, IA Joseph Buckwalter V, M.D., Ph.D. Iowa City, IA
12:35 PM – 12:45 PM	Floor Discussion

FRIDAY, APRIL 12, 2024
BREAKOUT SESSION #7 | HIP AND KNEE ARTHROPLASTY

ROOM: CALUSA ABCD

Co-Moderator: Nicholas A. Bedard, M.D.
Rochester, MN

Co-Moderator: David C. Markel, M.D.
Novi, MI

- | | |
|---------------------|--|
| 10:45 AM – 10:50 AM | <p>85. Extended Oral Antibiotic Prophylaxis Reduces Early Wound-Related Complications Following Aseptic Revision Total Knee Arthroplasty
 *Austin E. Winger, M.D. Houston, TX
 Colin A. McNamara, M.D. Houston, TX
 Thomas C. Sullivan, B.S. Houston, TX
 Kwan J. Park, M.D. Houston, TX
 Timothy S. Brown, M.D. Houston, TX</p> |
| 10:51AM – 10:56 AM | <p>86. DAIR for Periprosthetic Joint Infection in Primary vs. Revision Knee Arthroplasty - A Comparison in Survival Rate
 *Matthew G. Van Engen, B.S. Iowa City, IA
 Taylor J. Den Hartog, M.D. Iowa City, IA
 Christopher N. Carender, M.D. Ann Arbor, MI
 Natalie A. Glass, Ph.D. Iowa City, IA
 Nicolas O. Noiseux, M.D. Iowa City, IA</p> |
| 10:57 AM - 11:02 AM | <p>87. Antibiotic Resistance After Extended Oral Antibiotic Prophylaxis for Periprosthetic Joint Infection
 *Daniel G. Meeker, M.D., Ph.D. Iowa City, IA
 Taylor J. Den Hartog, M.D. Iowa City, IA
 Connor J. Maly, M.D. Iowa City, IA
 Sarah E. Ryan, M.D. Iowa City, IA
 Jacob M. Elkins, M.D., Ph.D. Iowa City, IA
 Nicholas A. Bedard, M.D. Rochester, MN</p> |
| 11:02 AM - 11:10 AM | <p>Floor Discussion</p> |
| 11:11 AM - 11:16 AM | <p>88. Highly Congruent vs. Cruciate-Retaining Bearings in the Same TKA Patient
 *Steven Kurina, B.S. Chicago, IL
 John D. D. Higgins, M.D. Chicago, IL
 Amr Turkmani, B.S. Chicago, IL
 Anne DeBenedetti, Chicago, IL
 Yehuda E. Kerbel, M.D. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL</p> |

11:17 AM - 11:22 AM	89. Spinal vs. General Anesthesia for Outpatient Total Hip and Knee Arthroplasty in the Ambulatory Surgery Center: A Matched-Cohort Study *Tyler E. Calkins, M.D. Memphis, TN Evan P. Johnson, M.D. Memphis, TN Robert R. Eason, B.S. Memphis, TN William M. Mihalko, M.D., Ph.D. Memphis, TN Marcus C. Ford, M.D. Memphis, TN
11:23 AM - 11:28 AM	90. The Fate of Unresurfaced Patellae in Contemporary Total Knee Arthroplasty: Early to Mid-Term Results *Zachary J. Gunderson, M.D. Indianapolis, IN Taylor Luster, B.A. Indianapolis, IN Evan R. Deckard, B.S.E. Noblesville, IN R. Michael Meneghini, M.D. Fishers, IN
11:28 AM - 11:36 AM	Floor Discussion
11:37 AM – 11:42 AM	Spotlight Lecture Topic: <i>Cemented Hip Arthroplasty in 2024: The Good, the Bad, and the Ugly</i> Speaker: Anna Cohen-Rosenblum, MD Metairie, LA
11:43 AM – 11:48 AM	91. Risk Factors for Trochanteric Bursitis Following Total Hip Arthroplasty: A Comprehensive Radiographic Analysis *Ryan White, B.S. Chicago, IL Maya Lach, B.S. Chicago, IL Daniel R. Schmitt, M.D. Chicago, IL Amy Wozniak, M.S. Chicago, IL Nicholas M. Brown, M.D. Chicago, IL
11:49 AM – 11:54 AM	92. Revisiting 90-Day Antibiotic Prophylaxis After Two-Stage Treatment For PJI *Amrit Parihar, B.S. Indianapolis, IN Mary Ziemba-Davis, B.A. Fishers, IN Michael Stefl, M.D. Indianapolis, IN Ashleigh Bush, M.D. Indianapolis, IN Lucian C. Warth, M.D. Noblesville, IN R. Michael Meneghini, M.D. Fishers, IN Leonard T. Buller, M.D. Indianapolis, IN
11:55 AM - 12:00 PM	93. Incidence and Risk Factors for AFB/Fungal Culture Positivity in Complex Primary, Conversion, and Revision Hip and Knee Arthroplasty *William E. Oetojo, B.A. Maywood, IL Marina Feffer, M.P.H. Maywood, IL Michael Wesolowski, M.P.H. Maywood, IL William J. Hopkinson, M.D. Maywood, IL Nicholas M. Brown, M.D. Maywood, IL
12:00 PM – 12:08 PM	Floor Discussion

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| 12:09 PM – 12:14 PM | <p>94. Fellowship-Trained Surgeons Experience a Learning Curve Performing Revision Total Joint Arthroplasty</p> <p>Kent R. Kraus, M.D. Indianapolis, IN
 Alexander C. Harris, B.S. Indianapolis, IN
 Mary Ziemba-Davis, B.A. Indianapolis, IN
 *Leonard T. Buller, M.D. Indianapolis, IN
 R. Michael Meneghini, M.D. Fishers, IN</p> |
| 12:15 PM - 12:20 PM | <p>95. Handheld Navigation Reduces Risk of Dislocation After Total Hip Arthroplasty</p> <p>*Christopher N. Warne, M.D. Rochester, MN
 Rafael J. Sierra, M.D. Rochester, MN</p> |
| 12:21 PM - 12:26 PM | <p>96. Prospective Trial of Noninvasive Hemoglobin Monitoring for Outpatient Total Joint Arthroplasties</p> <p>Evan M. Dugdale, M.D. Rochester, MN
 *Benjamin D. Mallinger, B.S. Rochester, MN
 Nicholas A. Bedard, M.D. Rochester, MN
 Cory C. Couch, M.D. Rochester, MN
 Tad M. Mabry, M.D. Rochester, MN
 Kevin I. Perry, M.D. Rochester, MN
 Rafael J. Sierra, M.D. Rochester, MN
 Michael J. Taunton, M.D. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN</p> |
| 12:27 PM - 12:32 PM | <p>97. Outpatient Total Hip Arthroplasty in the Hospital Setting and Impact of Time to Discharge</p> <p>*Jake D. Foote, M.D. Southfield, MI
 Brendan J. Comer, M.D. Southfield, MI
 Adrian W. Olson, D.O. Warren, MI
 David C. Markel, M.D. Novi, MI</p> |
| 12:32 PM – 12:45 PM | <p>Floor Discussion</p> |

FRIDAY, APRIL 12, 2024
BREAKOUT SESSION #8 | SHOULDER AND ELBOW

ROOM: BLUE HERON

Co-Moderator: Nicholas H. Maassen, M.D.
Chicago, IL

Co-Moderator: Vani J. Sabesan, M.D.
Boca Raton, FL

- | | |
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| 10:45 AM – 10:50 AM | <p>98. Non-Opioid Multimodal Analgesia for Total Shoulder Arthroplasty Demonstrates Significant Reductions in Opioid Prescriptions without Increased Complications: A Retrospective Comparative Study</p> <p>*Joshua P. Castle, M.D. Detroit, MI
 Johnny K. Kasto, M.D. Detroit, MI
 Despina Tsitlakidou, B.S. Detroit, MI
 Hardy Evans, M.D. Detroit, MI
 Jordan Jay, D.O. Detroit, MI
 Eric X. Jiang, M.D. Detroit, MI
 Ryan Sanii, MPH Detroit, MI
 Stephanie J. Muh, M.D. Detroit, MI</p> |
| 10:51 AM – 10:56 AM | <p>99. Smoking Negatively Affects Clinical Outcomes and Survivorship in Reverse Total Shoulder Arthroplasty</p> <p>*Erryk S. Katayama, B.A. Columbus, OH
 Louis W. Barry, B.S. Columbus, OH
 George R. Durisek, B.S., M.B.A. Columbus, OH
 Jordan Haber, B.S. Columbus, OH
 Seth Wilson, B.S. Columbus, OH
 John S. Barnett, B.S. Columbus, OH
 Akshar V. Patel, B.S. Columbus, OH
 Julie Y. Bishop, M.D. Columbus, OH
 Gregory L. Cvetanovich, M.D. Columbus, OH
 Ryan C. Rauck, M.D. Columbus, OH</p> |
| 10:57 AM - 11:02 AM | <p>100. Non-Cefazolin Antibiotic Prophylaxis is Associated with Higher Rates of Elbow Periprosthetic Joint Infection</p> <p>Micah J. Nieboer, M.D. Rochester, MN
 *Zachary Braig, M.D. Rochester, MN
 Christian Rosenow, M.D. Rochester, MN
 Erick M. Marigi, M.D. Rochester, MN
 Jonathan D. Barlow, M.D., M.S. Rochester, MN
 Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN
 Shawn O'Driscoll, M.D., Ph.D. Rochester, MN
 Mark E. Morrey, M.D. Rochester, MN</p> |
| 11:02 AM - 11:07 AM | <p>Floor Discussion</p> |

11:08 AM - 11:13 AM	<p>101. Short-Term Outcomes After Anatomic TSA Utilizing a Subscapularis-Sparing Approach: A Consecutive Case Series</p> <p>*Rishi Chatterji, M.D. Detroit, MI Mike Fry, M.D. Detroit, MI Shannon Manno Novi, MI Sean F. Bak, M.D. Novi, MI</p>
11:14 AM - 11:19 AM	<p>102. Revision Total Shoulder Arthroplasty Functional Outcomes and Implant Longevity</p> <p>Erryk S. Katayama, B.A. Columbus, OH *Louis W. Barry, B.S. Columbus, OH John S. Barnett, B.S. Columbus, OH Amogh I. Iyer, BSE Columbus, OH Andrew Stevens, B.S. Columbus, OH Akshar V Patel, B.S. Columbus, OH Julie Y. Bishop, M.D. Columbus, OH Gregory L. Cvetanovich, M.D. Columbus, OH Ryan C. Rauck, M.D. Columbus, OH</p>
11:20 AM - 11:25 AM	<p>103. Rate of Recovery Following Reverse Shoulder Arthroplasty</p> <p>Howard Routman, D.O. Boca Raton, FL *Edwin Mouhawasse, B.S. Boca Raton, FL Matthew Zinner, B.S. Boca Raton, FL Clyde Fomunung, B.S., Boca Raton, FL Ali Mohammed, B.S. Boca Raton, FL Carlos A. Fernandez, M.D. Boca Raton, FL Vani J. Sabesan, M.D. Boca Raton, FL</p>
11:26 AM - 11:31 AM	<p>104. Patient Race and Ethnicity was Associated with Higher Unplanned 90-Day Emergency Department Visits and Readmissions but not 10-Year All-Cause Complications or Reoperations in a Matched Cohort Analysis of Primary Shoulder Arthroplasties</p> <p>Kareme D. Alder, M.D. Rochester, MN Erick M. Marigi, M.D. Rochester, MN Kristin E. Yu, M.D. Rochester, MN Quinn J. Johnson, B.S. Rochester, MN *Ilan M. Marigi, B.A. St. Louis, MO Bradley S. Schoch, M.D. Jacksonville, FL John M. Tokish, M.D. Phoenix, AZ Joaquin Sanchez-Sotolo, M.D., Ph.D. Rochester, MN Jonathan D. Barlow, M.D., M.S. Rochester, MN</p>
11:31 AM - 11:36 AM	Floor Discussion
11:37 AM – 11:42 AM	<p>Spotlight Lecture</p> <p>Topic: <i>Anatomic or Reverse: What Do We Know in 2024?</i> Speaker: Jonathan D. Barlow, M.D. Rochester, MN</p>

- 11:43 AM – 11:48 AM **105. Telerehabilitation vs. In-Person Physical Therapy After Shoulder Arthroplasty: A Randomized Controlled Trial**
- | | |
|------------------------------------|---------------|
| *Olivia C. O'Reilly, M.D. | Iowa City, IA |
| Maria Bozoghlian, M.D. | Iowa City, IA |
| Natalie A. Glass, Ph.D. | Iowa City, IA |
| Michael Shaffer, PT M.S.PT OCS ATC | Iowa City, IA |
| Jeffrey Fleming, DPT OCS ATC CSCS | Iowa City, IA |
| James V. Nepola, M.D. | Iowa City, IA |
| Brendan M. Patterson, M.D., M.P.H. | Iowa City, IA |
- 11:49 AM – 11:54 AM **106. Optimizing Primary Total Shoulder Arthroplasty in the COVID Era: Shorter Length of Stay with No Increase in the Complication Profile**
- | | |
|---------------------------|---------------|
| Yazdan Raji, M.D. | Cleveland, OH |
| *Mark Megerian, B.S. | Cleveland, OH |
| Kira Smith, B.S. | Cleveland, OH |
| Mingda Chen, B.S. | Cleveland, OH |
| Bhargavi Maheshwer, M.D. | Cleveland, OH |
| Raymond E. Chen, M.D. | Cleveland, OH |
| Robert J. Gillespie, M.D. | Cleveland, OH |
- 11:55 AM - 12:00 PM **107. Functional and Radiographic Outcomes of Octogenarians Undergoing Primary Reverse Total Shoulder Arthroplasty**
- | | |
|---------------------------|---------------|
| Yazdan Raji, M.D. | Cleveland, OH |
| Kira Smith, B.S. | Cleveland, OH |
| *Molly Piper, B.S. | Cleveland, OH |
| Lucas Haase, M.D. | Cleveland, OH |
| Bhargavi Maheshwer, M.D. | Cleveland, OH |
| Raymond Chen, M.D. | Cleveland, OH |
| Jacob G. Calcei, M.D. | Cleveland, OH |
| Robert J. Gillespie, M.D. | Cleveland, OH |
- 12:01 PM - 12:06 PM **108. Does Sleep Comfort Predict Recovery After Primary and Revision Reverse Shoulder Arthroplasty?**
- | | |
|----------------------------|---------------------|
| Ali A. Mohamed, B.S., M.S. | Boca Raton, FL |
| Jared Kushner, B.S. | Boca Raton, FL |
| Carlos A. Fernandez, M.D. | Palm Beach, FL |
| Clyde Fomunung, B.S., MBA | College Station, TX |
| *Julio Vandama, B.S. | Boca Raton, FL |
| Garrett R. Jackson, M.D. | Lake Worth, FL |
| Vani J. Sabesan, M.D. | Lake Worth, FL |
| Howard Routman D.O. | Lake Worth, FL |

12:06 PM – 12:11 PM **Floor Discussion**

- 12:12 PM – 12:17 PM **109. Updated Patient Selection Algorithm for Outpatient Shoulder Arthroplasty in Ambulatory Surgery Center**
- | | |
|------------------------------|---------------|
| *Brenton R. Jennewine, M.D. | Memphis, TN |
| Andrew S. Pierce, M.D. | Memphis, TN |
| Andrew H. Miller, M.D. | Memphis, TN |
| Adrian T. Azar | Memphis, TN |
| Chris D. Sharp, M.D. | Memphis, TN |
| Thomas W. Throckmorton, M.D. | Memphis, TN |
| Tyler J. Brolin, M.D. | Memphis, TN |
| Bruce A. Levy, M.D. | Rochester, MN |
| Aaron J. Krych, M.D. | Rochester, MN |
| Mario Hevesi, M.D., Ph.D. | Rochester, MN |
- 12:18 PM - 12:23 PM **110. The Utility of Shoulder Arthroscopy at the Time of Open Latarjet**
- | | |
|------------------------------|--------------|
| Erik S. Contreras, M.D. | New York, NY |
| *Nikolas Sarac, M.D. | Columbus, OH |
| Ryan H. Barnes, M.D. | Columbus, OH |
| Gregory L. Cvetanovich, M.D. | Columbus, OH |
| Grant L. Jones, M.D. | Columbus, OH |
| Ryan C. Rauck, M.D. | Columbus, OH |
| Julie Y. Bishop, M.D. | Columbus, OH |
- 12:24 PM - 12:29 PM **111. Sex Difference in Rotator Cuff Repair**
- | | |
|---------------------------|----------------|
| Brian Johnson, M.D. | Cincinnati, OH |
| John P. Bonamer, B.S. | Cincinnati, OH |
| *Sarah C. Kurkowski, M.D. | Cincinnati, OH |
| Henry Kuechly | Cincinnati, OH |
| Olivia Marquardt, B.S. | Cincinnati, OH |
| Meredith Murphy, M.D. | Cincinnati, OH |
| Schuyler Nissen, B.S. | Cincinnati, OH |
| Sophia Le | Cincinnati, OH |
| Brian M. Grawe, M.D. | Cincinnati, OH |
- 12:30 PM - 12:35 PM **112. New-Onset Depression Following Total Shoulder Arthroplasty: The Impact of Preoperative Patient Factors and Postoperative Complications**
- | | |
|------------------------------|---------------|
| *Kevin X. Farley, M.D., M.S. | Royal Oak, MI |
| Robert S. Dean, M.D. | Royal Oak, MI |
| Eric R. Wagner, M.D., M.S. | Atlanta, GA |
| Michael B. Gottschalk, M.D. | Atlanta, GA |
| J. Michael Wiater, M.D. | Royal Oak, MI |

12:35 PM – 12:45 PM **Floor Discussion**

FRIDAY, APRIL 12, 2024
BREAKOUT SESSION #9 | FOOT AND ANKLE/ MIXED TOPICS

ROOM: SANIBEL

Co-Moderator: Gregory M. Neely, M.D.
Sioux Falls, SD

Co-Moderator: Norman S. Turner, M.D.
Rochester, MN

- | | |
|---------------------|---|
| 10:45 AM – 10:50 AM | <p>113. Oblique Trans-syndesmotic Screw to Augment Fixation of Distal Fibula Fractures: Retrospective Cohort Study and Technique Guide</p> <p>*Lauren A. Foropoulos, M.D. Memphis, TN
 Larry J. E. Baker, B.S. Memphis, TN
 David R. Richardson Memphis, TN</p> |
| 10:51 AM – 10:56 AM | <p>114. Mobilization After Operative Fixation in Patients Treated with Endobutton Device vs. Transfixation Screw for Syndesmotic Disruption</p> <p>*Sarah C. Kurkowski, M.D. Cincinnati, OH
 John P. Bonamer, B.S. Cincinnati, OH
 Henry Kuechly Cincinnati, OH
 Brian Johnson, M.D. Cincinnati, OH
 Richard Smith, M.D. Cincinnati, OH
 Augusto Roca, B.S. Cincinnati, OH
 Jacob Meyer, B.S. Cincinnati, OH
 Richard T. Laughlin, M.D. Cincinnati, OH</p> |
| 10:57 AM - 11:02 AM | <p>115. Obesity and Ankle Fractures: Are Outcomes and Complications Really Worse?</p> <p>*Samuel D. Hawkins, B.S. Columbia, MO
 Kenlee P. Jonas, B.S. Columbia, MO
 Matthew Z. Gao, B.S. Columbia, MO
 Clayton M. Brinkley, B.S. Columbia, MO
 Gregory Della Rocca, M.D., Ph.D. Columbia, MO
 Brett D. Crist, M.D. Columbia, MO
 Kyle M. Schweser, M.D. Columbia, MO</p> |
| 11:02 AM - 11:10 AM | <p>Floor Discussion</p> |
| 11:11 AM - 11:16 AM | <p>116. Trends and Outcomes of Same-Day Discharge Total Ankle Arthroplasty in the United States, A National Analysis from 2012-2021</p> <p>Kevin X. Farley, M.D., M.S. Royal Oak, MI
 Robert S. Dean, M.D. Royal Oak, MI
 Ricky Sareini, M.D. Royal Oak, MI
 *Elijah Auch, M.D. Royal Oak, MI
 Zachary Vaupel, M.D. Royal Oak, MI
 Paul T. Fortin, M.D. Royal Oak, MI</p> |

11:17 AM - 11:22 AM	117. Arthroscopy with Lateral Ankle Ligament Stabilization: Benefit vs. Cost Comparison	
	*Erik J. Mersereau, D.O.	Kansas City, KS
	Tucker Morey, B.S.	Kansas City, KS
	Bryan G. Vopat, M.D.	Kansas City, KS
11:23 AM - 11:28 AM	118. Comparative Analysis of One-Incision vs. Two-Incision Brostrom Gould Surgery with Calcaneal Osteotomy: A Study on Wound Complications and Safety	
	Mila Scheinberg, M.D., M.S.	Birmingham, AL
	Turner Sankey, M.D.	Birmingham, AL
	*Juan Campos, B.S., M.S.	Birmingham, AL
	Ashish B. Shah, M.D.	Birmingham, AL
11:28 AM - 11:36 AM	Floor Discussion	
11:37 AM - 11:42 AM	Spotlight Lecture	
	Topic: <i>Surgical Decision Making: Challenging Dogma</i>	
	Speaker: Harold B. Kitaoka, M.D.	Rochester, MN
11:43 AM - 11:48 AM	119. Patient-Reported Outcomes Following Isolated Gastrocnemius Recession for Plantar Fasciitis and Achilles Tendinopathy	
	Mila Scheinberg, M.D., M.S.	Birmingham, AL
	Ashish Shah, M.D.	Birmingham, AL
	*Marc Berstein	Augusta, GA
11:49 AM - 11:54 AM	120. Is the Stress Exam for Patients with Ankle Fractures a Reliable Predictor of Subsequent Clinical Management?	
	*Pooria Hosseini, M.D.	St. Louis, MO
	Arjun Vohra, M.D.	St. Louis, MO
	David E. Teytelbaum, M.D.	St. Louis, MO
	Kasey Meeks, B.S.	St. Louis, MO
	Brandon McMaster, M.D.	St. Louis, MO
	Julie Jin, M.D.	St. Louis, MO
	Thomas Revak, D.O.	St. Louis, MO
	John Watson, M.D.	St. Louis, MO
11:54 AM - 12:02 PM	Floor Discussion	
12:03 PM - 12:08 PM	121. Preference Signaling: Strategies and Opinions Among Orthopedic Surgery Applicants	
	Conner Howard, B.S.	Tulsa, OK
	Victor Martinez, B.S.	San Antonio, TX
	Griffin Hughes, B.S.	Tulsa, OK
	Aroob Zaheer, B.S.	San Antonio, TX
	Christian Allen, B.S.	San Antonio, TX
	Chad Hanson, D.O.	Tulsa, OK
	Brent L. Norris, M.D.	Tulsa, OK
	*Jake X. Checketts, D.O.	Tulsa, OK

- | | |
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| 12:09 PM – 12:14 PM | <p>122. What Are the Trends in the Utilization of Orthopedic Advanced Practice Professionals? A Large Database Medicare Study</p> <p>*Robert J. Burkhart, M.D. Cleveland, OH
 Alexander J. Acuña, M.D. Cleveland, OH
 David A. Kolin, M.D. New York, NY
 Christian J. Hecht II, B.S. Cleveland, OH
 Aakash K. Shah, B.S. Cleveland, OH
 Atul F. Kamath, M.D. Cleveland, OH</p> |
| 12:15 PM - 12:20 PM | <p>123. Efficacy of Irrigation Solutions on Removal of S. Aureus from Porous Implants: In In Vitro Study</p> <p>*Joseph Seta, M.D. Southfield, MI
 Paul Dietz, M.S. Southfield, MI
 Fadi Aboona, M.D. Southfield, MI
 Martin Weaver, M.D. Southfield, MI
 Therese Bou-Akl, M.D., Ph.D. Southfield, MI
 Weiping Ren, M.D., Ph.D. Southfield, MI
 David C. Markel, M.D. Southfield, MI</p> |
| 12:21 PM - 12:26 PM | <p>124. Effects of Tobramycin Soaking on Tibialis Tendon Graft Mechanical Properties</p> <p>*Michael Burton, B.S. Columbus, OH
 Tyler Barker, Ph.D. Columbus, OH
 Franco D. Piscitani, MBA Columbus, OH
 Jeremy D. Seidt, Ph.D. Columbus, OH
 David C. Flanigan, M.D. Columbus, OH</p> |
| 12:27 PM - 12:32 PM | <p>125. A New Arthroscopic Classification for Chondrolabral Disease in Patients with Developmental Dysplasia of the Hip</p> <p>Sheng-Hsun Lee, M.D. Rochester, MN
 Mario Hevesi, M.D., Ph.D. Rochester, MN
 *Rafael J. Sierra, M.D. Rochester, MN</p> |
| 12:32 PM – 12:45 PM | <p>Floor Discussion</p> |

FRIDAY, APRIL 12, 2024
BREAKOUT SESSION #10 | ONCOLOGY

ROOM: GREAT EGRET

Co-Moderator: **Lukas M. Nystrom, M.D.**
Cleveland, OH

Co-Moderator: **Peter S. Rose, M.D.**
Rochester, MN

- 10:45 AM – 10:50 AM **126. The Effect of Timing Between Preoperative Embolization and Surgery: A Retrospective Analysis of Hypervascular Bone Metastases**
- | | |
|----------------------------|-------------|
| *Alexander J. Acuña, M.D. | Chicago, IL |
| Gayathri Vijayakumar, B.S. | Chicago, IL |
| Neil Buac, B.S. | Chicago, IL |
| Matthew W. Colman, M.D. | Chicago, IL |
| Steven Gitelis, M.D. | Chicago, IL |
| Alan T. Blank, M.D., M.S. | Chicago, IL |
- 10:51 AM – 10:56 AM **127. Effectiveness of Interventional Radiology Guided Procedures for Locally Recurrent and Metastatic Sarcoma: Single Institutional Results**
- | | |
|----------------------------|-------------|
| Gayathri Vijayakumar, B.S. | Chicago, IL |
| Rahim Laiwalla, M.S. | Chicago, IL |
| Austin Yu, B.S. | Chicago, IL |
| Anel Yakupovich, M.D. | Chicago, IL |
| Jordan Tasse, M.D. | Chicago, IL |
| *Alan T. Blank, M.D., M.S. | Chicago, IL |
- 10:57 AM - 11:02 AM **128. Characteristics and Long-Term Outcome of Surgically Managed High-Grade Extremity Chondrosarcoma**
- | | |
|------------------------------------|---------------|
| Michael D. Russell, M.D., MPH, MBA | Iowa City, IA |
| Benjamin J. Miller, M.D., M.S. | Iowa City, IA |
| *Mary Kate Skalitzky, M.D. | Iowa City, IA |
| Trevor R. Gulbrandsen, M.D. | Iowa City, IA |
- 11:02 AM - 11:10 AM **Floor Discussion**
- 11:11 AM - 11:16 AM **129. Interstitial Brachytherapy in the Treatment of Soft Tissue Sarcoma: Local Recurrence and Wound Outcomes**
- | | |
|--------------------------|---------------|
| Martina E. Hale, B.A. | Cleveland, OH |
| Precious Oyem, B.A. | Cleveland, OH |
| *Haley Prough, D.O. | Lansing, MI |
| Shauna Campbell, D.O. | Cleveland, OH |
| Jacob Scott, M.D., DPhil | Cleveland, OH |
| Chirag Shah, M.D. | Cleveland, OH |
| Zachary Burke, M.D. | Cleveland, OH |
| Nathan W. Mesko, M.D. | Cleveland, OH |
| Lukas M. Nystrom, M.D. | Cleveland, OH |

- 11:17 AM - 11:22 AM **130. Adjacent Venous Tumor Thrombus in Primary Osteosarcoma of the Pelvis and Extremities**
 *Samuel E. Broida, M.D. Rochester, MN
 Mikaela H. Sullivan, M.D. Rochester, MN
 Alexandra Arguello, M.D. Rochester, MN
 Peter S. Rose, M.D. Rochester, MN
 Doris E. Wenger, M.D. Rochester, MN
 Matthew T. Houdek, M.D. Rochester, MN
- 11:23 AM - 11:28 AM **131. Evaluation of Local Recurrence and Diagnostic Discordance in Chondrosarcoma Patients Undergoing Preoperative Biopsy**
 Gayathri Vijayakumar, B.S. Chicago, IL
 Lucas Kasson, B.S. Chicago, IL
 Conor M. Jones, M.D. Chicago, IL
 Austin Yu, B.S. Chicago, IL
 Linus Lee, M.D. Chicago, IL
 Matthew W. Colman, M.D. Chicago, IL
 Steven Gitelis, M.D. Chicago, IL
 *Alan T. Blank, M.D., M.S. Chicago, IL
- 11:28 AM - 11:36 AM **Floor Discussion**
- 11:37 AM – 11:42 AM **Spotlight Lecture**
 Topic: *Metrics in Academic Publishing*
 Speaker: Peter S. Rose, M.D.
 Rochester, MN
- 11:43 AM – 11:48 AM **132. Cemented vs. Press-Fit Acetabular Fixation in Oncologic Reconstruction**
 *Ethan Winter, B.S. Lexington, MA
 Nicolas S. Piuze, M.D. Cleveland, OH
 Zachary Burke, M.D. Cleveland, OH
 Nathan W. Mesko, M.D. Cleveland, OH
 Lukas M. Nystrom, M.D. Cleveland, OH
- 11:49 AM – 11:54 AM **133. Treatment and Outcomes of Pediatric Soft Tissue Sarcoma**
 Mikaela H. Sullivan, M.D. Rochester, MN
 *Lainey G. Bukowiec, M.D. Rochester, MN
 Matthew T. Houdek, M.D. Rochester, MN
- 11:55 AM - 12:00 PM **134. Photodynamic Bone Stabilization for Traumatic and Pathologic Fractures: A Systematic Review of Utilization, Complications, and Patient-Reported Outcomes**
 *Kevin Y. Zhu, B.S. Cleveland, OH
 Ryan McNassor, M.D. Cleveland, OH
 Christian J. Hecht II, B.S. Cleveland, OH
 Robert J. Burkhart, M.D. Cleveland, OH
 Lukas M. Nystrom, M.D. Cleveland, OH
 Atul F. Kamath, M.D. Cleveland, OH
- 12:00 PM – 12:08 PM **Floor Discussion**

12:09 PM – 12:14 PM	<p>135. Indications and Long-Term Survival of Intercalary Reconstruction Techniques for Diaphyseal Bone Tumors</p> <p>*Helena F. Barber, M.D. Saint Louis, MO Lindsey G. Kahan Saint Louis, MO Douglas J. McDonald, M.D. Saint Louis, MO D. Ian English, M.D. Saint Louis, MO</p>
12:15 PM - 12:20 PM	<p>136. Retrograde Intramedullary Nailing is an Appropriate Approach to Pathologic Femur Lesion</p> <p>Margaret A. Sinkler, M.D. Cleveland, OH *Jeremy M. Adelstein, M.D. Cleveland, OH Luc M. Fortier, M.D. Cleveland, OH Ajay Mahenthiran, B.S. Cleveland, OH Andrew Qi, B.S. Cleveland, OH Rohan K. Patel, M.D. Cleveland, OH Brandon W. Jonard, M.D. Cleveland, OH</p>
12:21 PM - 12:26 PM	<p>137. Cost-Effectiveness of Surveillance vs. Primary Excision of Lipomatous Lesions</p> <p>*Burke Gao, M.D. Iowa City, IA Benjamin J. Miller M.D., M.S. Iowa City, IA</p>
12:27 PM - 12:32 PM	<p>138. The Impact of Margin Status on the Oncologic Outcomes of Surgically Treated Dedifferentiated Liposarcoma of the Extremities</p> <p>*Martina E. Hale, B.A. Cleveland, OH Precious Oyem, B.A. Cleveland, OH Zachary Burke, M.D. Cleveland, OH Nathan W. Mesko, M.D. Cleveland, OH Scott Kilpatrick, M.D. Cleveland, OH Lukas M. Nystrom, M.D. Cleveland, OH</p>
12:32 PM – 12:45 PM	<p>Floor Discussion</p>

6:30 PM – 6:40 PM

- MAOA Presidential “changing of the guard” ceremony
- Brief welcome/introduction of Steel Memorial Lecturer by Dr. Craig Della Valle

Room: Calusa ABCD

6:40 PM – 7:20 PM

STEEL MEMORIAL LECTURE

Speaker: **Grant R. Woods, PhD**
Reeds Spring, MO

Topic: **Improve our Soils, Improve our Health**

Room: Calusa ABCD

Introduced by: Craig J. Della Valle, MD
Chicago, IL

SATURDAY, APRIL 13, 2024

THIRD PLENARY SESSION

Room: Calusa ABCD

Moderator: R. Michael Meneghini, M.D.

Fishers, IN

7:00 AM – 7:04 AM

Assemble/Announcements

7:05 AM – 7:20 AM

AAOS Report

Speaker:

Paul Tornetta III, M.D., Ph.D.

President, American Academy of Orthopaedic Surgeons

Introduced by: Craig Della Valle, MD

Chicago, IL

7:21 AM – 8:01 AM

Symposium III

Topic:

Periprosthetic Femur Fracture: Fix It or Revise It?

Faculty:

Justin C. Siebler, M.D, Moderator

Omaha, NE

Distal Periprosthetic Femur Fracture: Fix It or Revise It?

Curtis W. Hartman, M.D.

Omaha, NE

Proximal Periprosthetic Femur Fracture: Fix It or Revise It?

Glenn D. Wera, M.D.

Cleveland, OH

8:02 AM – 8:04 AM

Presentation of MAOA Poster Awards

Presented by:

Matthew P. Abdel, M.D.

Rochester, MN

8:05 AM – 8:45 AM

8th Annual Resident Quiz Bowl

Room:

Calusa ABCD

Moderator:

James A. Keeney, MD

Columbia, MO

8:45 AM – 9:15 AM

RAPP LECTURE

Speaker:

Javad Parvizi, MD, FRCS

Philadelphia, PA

Topic:

My Journey in Innovation

Introduced by: Craig J. Della Valle, MD

Chicago, IL

9:15 AM – 9:45 AM

Coffee Break in Exhibit Area

Calusa EFGH

9:45 AM – 12:45 PM

FIVE BREAKOUTS TO RUN CONCURRENTLY

SATURDAY, APRIL 13, 2024
BREAKOUT SESSION #11 | HIP AND KNEE ARTHROPLASTY

ROOM: BLUE HERON

Co-Moderator | Papers #139 – 148: Kevin Hardt, M.D.
Chicago, IL

Co-Moderator | Papers #139 – 148: Rafael J. Sierra, M.D.
Rochester, MN

- | | | | |
|---------------------|-------------------------|--|------------------|
| 9:45 AM – 9:50 AM | 139. | Sustained Treatment in a Medical Weight Management Program Results in Increased Weight Loss and Total Joint Arthroplasty Surgery in Morbidly Obese Patients | |
| | | Joseph R. Young, M.D. | Houston, TX |
| | | *Shawn O. Okpara, M.D. | Houston, TX |
| | | Afshin Anoushiravani, M.D. | Albany, NY |
| | | Tiffany Lee | Houston, TX |
| | | Nihar Pathare | Houston, TX |
| | | Melvyn A. Harrington, M.D. | Houston, TX |
| 9:51 AM – 9:56 AM | 140. | Clinical Outcomes of Dalbavancin Use in Bone and Joint Infections | |
| | | *Liam Alderson | Little Rock, AR |
| | | Srivani Sanikommu, M.D. | Little Rock, AR |
| | | Ryan Dare, M.D. | Little Rock, AR |
| | | C. Lowry Barnes, M.D. | Little Rock, AR |
| | | Jeffrey B. Stambough, M.D. | Little Rock, AR |
| | | Simon C. Mears, M.D., Ph.D. | Little Rock, AR |
| 9:57 AM - 10:02 AM | 141. | Weight Optimization Does Not Impact Major Perioperative Knee Arthroplasty Complication Risks | |
| | | Arpan Patel, M.D. | Columbia, MO |
| | | Andrea Stitgen, M.D. | Cedar Rapids, IA |
| | | Jacob Walz | Columbia, MO |
| | | *James A. Keeney, M.D. | Columbia, MO |
| 10:02 AM - 10:09 AM | Floor Discussion | | |
| 10:10 AM – 10:15 AM | 142. | Outpatient Total Knee Arthroplasty in the Hospital Setting and Impact of Time to Discharge | |
| | | Jake D. Foote, M.D. | Southfield, MI |
| | | *Brendan J. Comer, M.D. | Southfield, MI |
| | | Adrian W. Olson, D.O. | Warren, MI |
| | | David C. Markel, M.D. | Novi, MI |

10:16 AM – 10:21 AM	143.	Results of Primary Total Knee Arthroplasty in Patients with Chronic Psychotropic Medications	Sarag Abhari, M.D. Louisville, KY *Nolan Smith, M.D. Louisville, KY Kyle Altman, M.D. Louisville, KY Langan S. Smith, B.S. Louisville, KY Madhusudhan R. Yakkanti, M.D. Louisville, KY Arthur L. Malkani, M.D. Louisville, KY
10:22 AM – 10:27 AM	144.	Effect of TKA Coronal Alignment on Postoperative Patient Reported Outcomes and Range of Motion	Pradyumna Gurusamny, M.D. Houston, TX Bradley S. Lambert, Ph.D. Houston, TX *Jennifer Liu, M.D. Houston, TX Thomas Sullivan, B.S. Houston, TX Terry A. Clyburn, M.D. Houston, TX Stephen J. Incavo, M.D. Houston, TX
10:28 AM – 10:33 AM	145.	Does Optimal TKA Implant Alignment Impact Patient Outcomes and Satisfaction	*Lasun O. Oladeji, M.D., Ph.D. Columbia, MO James A. Keeney, M.D. Columbia, MO
10:33 AM – 10:41 AM	Floor Discussion		
10:42 AM – 10:47 AM	146.	Radiographic and Clinical Outcomes After Direct Anterior vs. Mini Posterior Total Hip Arthroplasty	*David A. Hamilton, M.D. Houston, TX Collin McNamara, M.D., MBA Houston, TX Thomas C. Sullivan, B.S. Houston, TX Bradley S. Lambert, Ph.D. Houston, TX Stephen J. Incavo, M.D. Houston, TX Kwan J. Park, M.D. Houston, TX
10:48 AM – 10:53 AM	147.	Patient Perceptions of Joint Arthroplasty Surgeon Engagement on Social Media Platform	*Fatima Anwar, B.A. Columbus, OH Tyler Ames, M.D. Columbus, OH Eric Kiskaddon, M.D. Roswell, GA Kathryn Fideler, M.D. Arlington, Va Jeffrey Reeves, M.D. Columbus, OH
10:54 AM – 10:59 AM	148.	Do Patient Factors Increase the Risk of Postoperative Complications After Total Joint Arthroplasty?	Jessica V. Baran, B.S. Greenacres, FL Clyde Fomunung, B.S., MBA Boca Raton, FL *Benjamin Lack, B.S. Boca Raton, FL Garrett R. Jackson, M.D. Boca Raton, FL Devin John, M.D. Boca Raton, FL Vani J. Sabesan, M.D. Boca Raton, FL

10:59 AM – 11:06 AM **Floor Discussion**

11:07 AM – 11:12 AM **Spotlight Lecture**

Topic: *Diagnosis of Infection in the Early Postoperative Period Following Hip and Knee Arthroplasty*

Speaker: Craig J. Della Valle, M.D.
Chicago, IL

**Co-Moderator | Papers #149 – 159: D. Gordon Allan, M.D.
Springfield, IL**

**Co-Moderator | Papers #149 – 159: Simon Mears, M.D.
Little Rock, AR**

- 11:13 AM – 11:18 AM **149. Proximal Femoral Replacement for Trauma Associated with Significantly Worse Outcomes**
- | | |
|--------------------------|---------------|
| Aleksander P. Mika, M.D. | Nashville, TN |
| Stephen Chenard | Nashville, TN |
| Katherine Hajdu | Nashville, TN |
| William Hefley | Nashville, TN |
| William Gilbert, M.D. | Nashville, TN |
| *Hillary Mulvey, M.D. | Nashville, TN |
| Julia Quirion, M.D. | Nashville, TN |
| Jennifer Halpern, M.D. | Nashville, TN |
| Herbert Schwartz, M.D. | Nashville, TN |
| Joshua Lawrenz, M.D. | Nashville, TN |
| Ginger E. Holt, M.D. | Nashville, TN |
- 11:19 AM – 11:24 AM **150. High Mortality in Prosthetic Joint Infection Patients Presenting with Concomitant Sepsis**
- | | |
|-------------------------|--------------|
| Dana H. Tran, B.S. | Maywood, IL |
| Daniel R. Schmitt, M.D. | Maywood, IL |
| Nicholas M. Brown, M.D. | Maywood, IL |
| *Harold W. Rees, M.D. | Oak Park, IL |
- 11:25 AM – 11:30 AM **151. Is There a Correlation Between Hospital Quality Measures and Excess Readmission Penalties for Joint Replacement Surgeries?**
- | | |
|-----------------------------|-----------------|
| *Macllain Edington, B.S. | Little Rock, AR |
| Benjamin Stronach, M.D. | Little Rock, AR |
| C. Lowry Barnes, M.D. | Little Rock, AR |
| Simon C. Mears, M.D., Ph.D. | Little Rock, AR |
| Eric Siegel, M.S. | Little Rock, AR |
| Jeffrey B. Stambough, M.D. | Little Rock, AR |
- 11:31 AM – 11:36 AM **152. Rapid and Safe Transition to Ambulatory Surgical Center During the Covid Pandemic**
- | | |
|--------------------------|---------------|
| Aleksander P. Mika, M.D. | Nashville, TN |
| Jacob Wilson, M.D. | Nashville, TN |
| Stephen Engstrom, M.D. | Nashville, TN |

Gregory G. Polkowski, M.D. Nashville, TN
 *J. Ryan Martin, M.D. Nashville, TN

11:36 AM – 11:44 AM **Floor Discussion**

- 11:45 AM – 11:50 AM **153. Patient Positioning Markedly Impacts Spinopelvic Radiographic Parameters**
 *Katherine E. Mallett, M.D. Rochester, MN
 Benjamin D. Mallinger, B.S. Rochester, MN
 Pouria Rouzrokh, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN
- 11:51 AM – 11:56 AM **154. How Constrained Can You Start? A Multicenter Review of Pelvic Discontinuity Treated with Custom Triflange Implants**
 *Aleksander P. Mika, M.D. Nashville, TN
 Jacob Wilson, M.D. Nashville, TN
 Stephen Engstrom, M.D. Nashville, TN
 Gregory G. Polkowski, M.D. Nashville, TN
 Michael J. Christie, M.D. Nashville, TN
 Matthew Christie, M.D. Nashville, TN
 Ginger E. Holt, M.D. Nashville, TN
 J. Craig Morrison, M.D. Nashville, TN
 J. Ryan Martin, M.D. Nashville, TN
- 11:57 AM – 12:02 PM **155. Assembly and Dissociation Forces Differ Between Dual Mobility Implants: A Biomechanical Study**
 Katherine E. Mallett, M.D. Rochester, MN
 *Sergio F. Guarin Perez, M.D. Rochester, MN
 Alexander W. Hooke, MA Rochester, MN
 James S. Fitzsimmons, B.S. Rochester, MN
 Allison M. Tanner, B.S. Rochester, MN
 Joshua T. Bland, M.A. Rochester, MN
 Michael J. Taunton, M.D. Rochester, MN
 Rafael J. Sierra, M.D. Rochester, MN
- 12:02 PM – 12:09 PM **Floor Discussion**
- 12:10 PM – 12:15 PM **156. What Are Patients' Perceptions on the Optimal Age and Experience of Their Arthroplasty Surgeon?**
 *Brandon P. McMaster, M.D. Rochester, MN
 Aliya G. Feroe, M.D., M.P.H. Rochester, MN
 Anne A. Smartt, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN
- 12:16 PM – 12:21 PM **157. Does Restoration of Constitutional Alignment Improve Outcomes in Total Knee Arthroplasty?**
 *Hallie B. Remer, B.S. Miami, FL
 Bryan S. Brockman, M.D. Miami, FL
 Chukwuemeka U. Osondu, M.D., M.P.H. Miami, FL

Yvette Hernandez, CCRP	Miami, FL
Charles M. Lawrie, M.D., M.Sc.	Miami, FL
Juan C. Suarez, M.D.	Miami, FL

12:22 PM – 12:27 PM

158. Is the Rise of Medicare Advantage Impacting the Fidelity of Traditional Medicare Claims Data? Implications for AJRR Reporting of Long-Term THA Survivorship

*Xiao T. Chen, M.D.	Rochester, MN
Amy E. Glasgow, M.H.A.	Rochester, MN
Elizabeth B. Haberman, Ph.D., M.P.H.	Rochester, MN
Nathanael D. Heckmann, M.D.	Los Angeles, CA
John J. Callaghan, M.D.	Iowa City, IA
David G. Lewallen, M.D.	Rochester, MN
Daniel J. Berry, M.D.	Rochester, MN
Nicholas A. Bedard, M.D.	Rochester, MN

12:28 PM – 12:33 PM

159. Ninety-Day Opioid Use Among Total Knee Arthroplasty Patients: A Single Center Study

Jake D. Foote, M.D.	Southfield, MI
*Martin J. Weaver, M.D.	Southfield, MI
Brendan J. Comer, M.D.	Southfield, MI
David C. Markel, M.D.	Ann Arbor, MI

12:33 PM – 12:45 PM

Floor Discussion

SATURDAY, APRIL 13, 2024
BREAKOUT SESSION #12 | SPORTS

ROOM: GREAT EGRET

Co-Moderator | Papers #160 – 171: Jacob G. Calcei, M.D.
Shaker Heights, OH

Co-Moderator | Papers #160 – 171: Justin J. Greiner, M.D.
Omaha, NE

- | | |
|---------------------|--|
| 9:45 AM – 9:50 AM | <p>160. Passion Impacts Sport Specialization, Injury, and Burnout in College Athletes
 *Johnathan Dallman, B.S. Kansas City, KS
 Ezra Goodrich B.S. Kansas City, KS
 Nick Giusti M.D. Jacksonville, FL
 Jordan Baker B.S. Kansas City, KS
 Armin Tarakemeh B.S. Kansas City, KS
 Megan Wolf M.D. Wilkesboro, NC
 Jeffrey Randall, M.D. Kansas City, KS
 Bryan G. Vopat, M.D. Kansas City, KS
 Lisa Vopat, M.D. Kansas City, KS</p> |
| 9:51 AM – 9:56 AM | <p>161. Does the Addition of Postoperative Gabapentin Reduce the Use of Narcotics After Sports Medicine Orthopedic Surgery?
 *Julian A. Giakas, M.B.A. St. Louis, MO
 Heidi A. Israel, Ph.D. St. Louis, MO
 Ashley H. Ali, M.D. St. Louis, MO
 Scott G. Kaar, M.D. St. Louis, MO</p> |
| 9:57 AM - 10:02 AM | <p>162. Clinical and Radiographic Outcomes of Knee Cartilage Restoration Surgery in Patients with Inflammatory Arthropathy
 *Charles L. Holliday, M.D. Rochester, MN
 John-Rudolph Smith, B.S. Rochester, MN
 Erick M. Marigi, M.D. Rochester, MN
 Bruce A. Levy, M.D. Rochester, MN
 Daniel B. F. Saris, M.D., Ph.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN</p> |
| 10:03 AM - 10:08 AM | <p>163. Outcomes of Shoulder Instability Surgery in Competitive Wrestlers: Outcomes, Reoperations, and Return to Play at Five-Years Mean Follow-Up
 Erick M. Marigi, M.D. Rochester MN
 Abhinav A. Lamba, B.S. Rochester MN
 Alexander M. Boos, B.A. Rochester MN
 Allen S. Wang, M.S. Rochester MN
 *Karissa N. Simon, B.S. Rochester MN
 Jonathan D. Barlow, M.D., M.S. Rochester MN
 Aaron J. Krych, M.D. Rochester MN
 Christopher L. Camp, M.D. Rochester MN</p> |

- 10:08 AM - 10:13 AM **Floor Discussion**
- 10:14 AM – 10:19 AM **164. Satisfactory Clinical Outcomes and Continuance of Sports After Hip Arthroscopic Labral Repair in Young Competitive Athletes at Minimum 8.5-Year Follow-Up**
- | | |
|---------------------------|---------------|
| Abhinav A. Lamba, B.S. | Rochester, MN |
| Allen S. Wang, M.S. | Rochester, MN |
| *Sean C. Clark, M.S. | Rochester, MN |
| Fabien Meta, M.D. | Rochester, MN |
| Kelechi R. Okoroha, M.D. | Rochester, MN |
| Bruce A. Levy, M.D. | Rochester, MN |
| Aaron J. Krych, M.D. | Rochester, MN |
| Mario Hevesi, M.D., Ph.D. | Rochester, MN |
- 10:20 AM – 10:25 AM **165. Impact of Peri-Incisional Local Infiltrative Anesthesia on Postoperative Pain and Opioid Consumption Following Periacetabular Osteotomy**
- | | |
|-----------------------------|---------------|
| *Steven M. Leary, M.D. | Iowa City, IA |
| Steele M. L. McCulley, B.S. | Iowa City, IA |
| Courtney Seffker, PA-C | Iowa City, IA |
| Natalie A. Glass, Ph.D. | Iowa City, IA |
| Nick Bender, ATC | Iowa City, IA |
| Robert W. Westermann, M.D. | Iowa City, IA |
| Michael C. Willey, M.D. | Iowa City, IA |
- 10:26 AM – 10:31 AM **166. Patellar Tunnels for Graft Fixation During MPFL Reconstruction are a Safe and Reliable Alternative: A Study of Over 600 Knees**
- | | |
|-------------------------|---------------------|
| *Adam J. Tagliero, M.D. | Rochester, MN |
| Thomas E. Moran, M.D. | Charlottesville, VA |
| Neil P. Blanchard, M.D. | Charlottesville, VA |
| Pradip Ramamurti, M.D. | Charlottesville, VA |
| Milos Lesevic, B.S. | Charlottesville, VA |
| David R. Diduch, M.D. | Charlottesville, VA |
- 10:32 AM – 10:37 AM **167. Reoperation Rates of Isolated Meniscus Repair with and without Marrow Stimulation**
- | | |
|----------------------------|-----------------|
| *Matthew D. Benson | Park Rapids, MN |
| Benjamin D. Packard, M.D. | Iowa City, IA |
| Kyle R. Duchman, M.D. | Iowa City, IA |
| Brian R. Wolf, M.D., M.S. | Iowa City, IA |
| Robert W. Westermann, M.D. | Iowa City, IA |
- 10:37 AM – 10:42 AM **Floor Discussion**

- 10:43 AM – 10:48 AM **168. Latarjet Procedure in Young Contact Athletes Begets High Return-to-Sport Rate, 2+ Year Follow-Up**
- | | |
|------------------------------|--------------|
| *Galo C. Bustamante, B.S. | Columbus, OH |
| Akshar V. Patel, B.S. | Columbus, OH |
| Erryk S. Katayama, B.S. | Columbus, OH |
| John S. Barnett, B.S. | Columbus, OH |
| Amogh Iyer, BSE | Columbus, OH |
| Mathangi Sridharan, M.D. | Columbus, OH |
| Steven D. Swinehart, M.D. | Columbus, OH |
| Gregory L. Cvetanovich, M.D. | Columbus, OH |
| Julie Y. Bishop, M.D. | Columbus, OH |
| Ryan C. Rauck, M.D. | Columbus, OH |
- 10:49 AM – 10:54 AM **169. Return to Sport in Young Contact Athletes Following Latarjet Procedure: Analysis of Factors with Prognostic Value**
- | | |
|------------------------------|--------------|
| Galo C. Bustamante, B.S. | Columbus, OH |
| Andrew Stevens, B.S. | Columbus, OH |
| *Amogh Iyer, BSE | Columbus, OH |
| John S. Barnett, B.S. | Columbus, OH |
| Erryk S. Katayama, B.A. | Columbus, OH |
| Akshar V. Patel, B.S. | Columbus, OH |
| Mathangi Sridharan, M.D. | Columbus, OH |
| Gregory L. Cvetanovich, M.D. | Columbus, OH |
| Julie Y. Bishop, M.D. | Columbus, OH |
| Ryan C. Rauck, M.D. | Columbus, OH |
- 10:55 AM – 11:00 AM **170. Suspensory Fixation for Bone Transfer Procedures in Shoulder Instability is Superior to Screws in an Angled Construct: A Biomechanical Analysis**
- | | |
|--------------------------|----------------|
| *Mathew Hargreaves, B.S. | Birmingham, AL |
| Samuel Schick, M.D. | Chicago, IL |
| Kyle Paul, M.D. | Birmingham, AL |
| Jonathan Manfredi | Birmingham, AL |
| Eugene W. Brabston, M.D. | Birmingham, AL |
| Amit Momaya, M.D. | Birmingham, AL |
| Marshall Williams, M.S. | Columbus, GA |
| Achraf Jardaly, M.D. | Columbus, GA |
| Brent A. Ponce, M.D. | Columbus, GA |
- 11:01 AM – 11:06 AM **171. Lower Socioeconomic Status is Associated with Recurrent Shoulder Instability Before Surgical Shoulder Stabilization**
- | | |
|---------------------------|-------------|
| Vasilios Moutzouros, M.D. | Detroit, MI |
| Lawrence C. Enweze, M.D. | Detroit, MI |
| *Muhammad Abbas, M.D. | Detroit, MI |
| Johnny K. Kasto, M.D. | Detroit, MI |
| Matthew Gasparro, B.S. | Detroit, MI |
| Joshua P. Castle, M.D. | Detroit, MI |
| Eric X. Jiang, M.D. | Detroit, MI |
| Brittaney Pratt, B.S. | Detroit, MI |
| Stephanie J. Muh, M.D. | Detroit, MI |

11:06 AM – 11:11 AM **Floor Discussion**

11:12 AM – 11:17 AM **Spotlight Lecture**

Topic: *The Next Frontier in Shoulder Instability Surgery: What are we Missing for Complex Instability Patients?*

Speaker: Christopher L. Camp, M.D.
Rochester, MN

**Co-Moderator | Papers #172 – 183: Patricia A. Kolowich, M.D.
Novi, MI**

**Co-Moderator | Papers #172 – 183: Thomas M. Matelic, M.D.
Grand Rapids, MI**

11:18 AM – 11:23 AM **172. Ultrasound and Outcomes of Rotator Cuff Repair with New Acellular Human Allograft at Six-Months Post-Surgery**

Sarah C. Kurkowski, M.D.	Cincinnati, OH
*Nihar Shah, M.D.	Cincinnati, OH
John P. Bonamer, B.S.	Cincinnati, OH
Henry Kuechly, B.S.	Cincinnati, OH
Michael Kloby, M.S.	Cincinnati, OH
Brian M. Grawe, M.D.	Cincinnati, OH

11:24 AM – 11:29 AM **173. The Clinical Usefulness of the iHOT Outcome Survey in the Evaluation of Hip Pain**

*Olivia Jenks, B.S.	Iowa City, IA
Andrew Lee, B.S.	Iowa City, IA
Steven M. Leary, M.D.	Iowa City, IA
Robert W. Westermann, M.D.	Iowa City, IA

11:30 AM – 11:35 AM **174. Prospective Assessment of Outcomes After Femoral Condyle Osteochondral Allograft Transplantation with Concurrent Meniscus Allograft Transplantation**

*Jarod A Richards, M.D.	Columbia, MO
James P. Stannard, M.D.	Columbia, MO
Kylee Rucinski, Ph.D.	Columbia, MO
Clayton W. Nuelle, M.D.	Columbia, MO
James L. Cook, DVM, Ph.D., OTSC	Columbia, MO

11:36 AM – 11:41 AM **175. Effect of Posterior Tibial Slope on Outcomes Following Combined Anterior and Posterior Cruciate Ligament Reconstruction**

*Ryan T. Conyer, M.D.	Rochester, MN
Allen S. Wang, M.S.	Rochester, MN
Mark T. Langhans, M.D., Ph.D.	Rochester, MN
Aaron J. Krych, M.D.	Rochester, MN
Mario Hevesi, M.D., Ph.D.	Rochester, MN
Kelechi R. Okoroha, M.D.	Rochester, MN
Michael J. Stuart, M.D.	Rochester, MN
Bruce A. Levy, M.D.	Rochester, MN

11:41 AM – 11:46 AM **Floor Discussion**

- 11:47 AM – 11:52 AM **176. Defining Thresholds and Predictors for Achieving the Patient Acceptable Symptomatic State for Patient Reported Outcomes in Revision Hip Arthroscopy**
 David R. Maldonado, M.D. Houston, TX
 Tracy George, B.S. Chicago, IL
 Saiswarnesh Padmanabhan, B.S., B.A. Chicago, IL
 Andrew J. Curley, M.D. Chicago, IL
 Benjamin G. Domb, M.D. Chicago, IL
 *Ali Parsa, M.D. Chicago, IL
- 11:53 AM – 11:58 AM **177. Outcomes of Repair of Lateral Meniscus Oblique Radial Tears (LMORTs)**
 *Jarod M. Karom, B.S. Columbus, OH
 Grace E. Monroe, B.A. Columbus, OH
 Tyler Barker, Ph.D. Columbus, OH
 Parker A. Cavendish, M.D. Columbus, OH
 Eric M. Milliron, M.D. Columbus, OH
 Anna H. Schildmeyer, B.S. Columbus, OH
 Anjali S. Kashyap, B.S. Columbus, OH
 Robert A. Magnussen, M.D. Columbus, OH
 David C. Flanigan, M.D. Columbus, OH
- 11:59 AM – 12:04 PM **178. Outcomes of Repair of Radial Meniscus Tears**
 *Grace E. Monroe, BA Columbus, OH
 Jarod M. Karom, B.S. Columbus, OH
 Tyler Barker, Ph.D. Columbus, OH
 Anna H. Schildmeyer, B.S. Columbus, OH
 Anjali S. Kashyap, B.S. Columbus, OH
 Eric M. Milliron, M.D. Columbus, OH
 Parker A. Cavendish, M.D. Columbus, OH
 Robert A. Magnussen, M.D. Columbus, OH
 David C. Flanigan, M.D. Columbus, OH
- 12:05 PM – 12:10 PM **179. Patellar Distalization Following Tibial Tubercle Osteotomy for Recurrent Knee Dislocation: A Retrospective Case Series**
 *Alexander J. Hallwachs, M.D. Cleveland, OH
 Kira Smith, B.S. Cleveland, OH
 Joshua Wiener, B.S. Cleveland, OH
 Jacob G. Calcei, M.D. Cleveland, OH
 Michael J. Salata, M.D. Cleveland, OH
 James E. Voos, M.D. Cleveland, OH
 Taylor E. Hobson, M.D. Cleveland, OH
 Michael R. Karns, M.D. Cleveland, OH
- 12:10 PM – 12:15 PM **Floor Discussion**

- 12:16 PM – 12:21 PM **180. Improving Non-Invasive Diagnosis and Grading of Cartilage Defects in the Knee - Accuracy of Ultra High Field 7-Tesla MRI as Compared with Arthroscopy**
 *Andrew George, M.D. Houston, TX
 Haley M. Goble, M.H.A. Houston, TX
 Karen Hernandez Houston, TX
 Bradley S. Lambert, Ph.D. Houston, TX
 Nakul Gupta, M.D. Houston, TX
 Patrick C. McCulloch, M.D. Houston, TX
- 12:22 PM – 12:27 PM **181. Primary Repair of the Anterior Cruciate Ligament Utilizing Biologics**
 *Paul R. Fleissner, Jr. M.D. Akron, OH
- 12:28 PM – 12:33 PM **182. Posterior Cruciate Ligament Reconstruction with Suture Tape Augmentation: A Scoping Review**
 *Mukund Srinivas, M.D. Kansas City, KS
 Cooper Root, B.S. Kansas City, KS
 Michael Braman, B.S. Kansas City, KS
 Tucker Morey, B.S. Kansas City, KS
 Matthew Vopat, M.D. Kansas City, KS
 Bryan G. Vopat, M.D. Kansas City, KS
- 12:34 PM – 12:39 PM **183. Intra-Articular Corticosteroid Injection of the Knee within One Month Prior to Meniscus Repair Increases the Risk of Repair Failure Requiring Meniscectomy**
 *Douglas Zhang, B.A. Chicago, IL
 Hayden P. Baker, M.D. Chicago, IL
 Manish Pathuri Chicago, IL
 Sai Reddy Chicago, IL
 Aravind Athiviraham, M.D. Chicago, IL
 Jason A. Strelzow, M.D. Chicago, IL
- 12:39 PM – 12:45 PM **Floor Discussion**

SATURDAY, APRIL 13, 2024
BREAKOUT SESSION #13 | TRAUMA

ROOM: CAPTIVA

Co-Moderator | Papers #184 – 193: Matthew D. Karam, M.D.
Iowa City, IA

Co-Moderator | Papers #184 – 193: Brandon J. Yuan, M.D.
Rochester, MN

- | | |
|---------------------|---|
| 9:45 AM – 9:50 AM | <p>184. Cortical Breach with Percutaneous Antegrade Anterior Column Screw Placement</p> <p>David Teytelbaum, M.D. St. Louis, MO
 *Nicholas Mangutz, M.D. St. Louis, MO
 Christopher D. Muncie, D.O. Springfield, MO
 Thomas Revak, D.O. St. Louis, MO</p> |
| 9:51 AM – 9:56 AM | <p>185. Neuraxial vs. General Anesthesia in Total Hip Arthroplasty for Femoral Neck Fracture: A Comparison of Postoperative Complications</p> <p>Kevin X. Farley, M.D., M.S. Royal Oak, MI
 *Hassan Mouzaihem, M.D. Royal Oak, MI
 Robert S. Dean, M.D. Royal Oak, MI
 Mark Karadsheh, M.D. Royal Oak, MI
 Leo Cavinatto, M.D. Royal Oak, MI
 Jacob Wilson, M.D. Nashville, TN
 Drew Moore, M.D. Royal Oak, MI</p> |
| 9:57 AM - 10:02 AM | <p>186. Does Inpatient Mobilization Predict One-Year Mortality After Nonoperative Management of Lateral Compression Pelvic Fractures</p> <p>*Anthony J. Milto, M.D. Springfield, IL
 Anthony Sleiman, M.D. Springfield, IL
 Sowmyanarayanan Thuppai, M.D., Ph.D. Springfield, IL
 Rebekah Kleinsmith, M.D. Springfield, IL
 Eryn Gould Springfield, IL
 Andrew Mills, M.D. Springfield, IL</p> |
| 10:02 AM - 10:09 AM | <p>Floor Discussion</p> |

- 10:10 AM – 10:15 AM **187. The Impact of Smoking on Hospital Course and Postoperative Outcomes In Patients with Fracture-Related Infections**
- | | |
|------------------------------|----------------|
| Zuhair Jameel Mohammed, B.S. | Birmingham, AL |
| Evan G. Gross, B.S. | Birmingham, AL |
| *Matthew Yeager, B.A. | Birmingham, AL |
| Robert Rutz, M.D. | Birmingham, AL |
| Karen J. Carter, B.S. | Birmingham, AL |
| Elizabeth M. Benson, B.S. | Birmingham, AL |
| Austin C. Atkins, M.D. | Birmingham, AL |
| Ashish B. Shah, M.D. | Birmingham, AL |
| Joseph P. Johnson, M.D. | Birmingham, AL |
| Clay A. Spitler, M.D. | Birmingham, AL |
- 10:16 AM – 10:21 AM **188. Comparison of Synthes Femoral Neck System and Traditional Three Cannulated Screws for the Treatment of Femoral Neck Fractures**
- | | |
|--|-----------------|
| Christopher E. Bejcek, M.D. | Springfield, IL |
| *Nicolas J. Revelt, M.D. | Springfield, IL |
| Anthony J. Milto, M.D. | Springfield, IL |
| Kristin R. Delfino, P.hD | Springfield, IL |
| Edgar George, B.S. | Springfield, IL |
| Samuel D. Mounce, M.D. | Springfield, IL |
| Kathryn M. Besserman, B.S. | Springfield, IL |
| Sowmayanarayanan V. Thuppal, M.D., Ph.D. | Springfield, IL |
| Matthew P. Gardner, M.D. | Springfield, IL |
- 10:22 AM – 10:27 AM **189. Evaluating the Quality of Hip Fracture Education on Short-Form Video Platform YouTube Shorts**
- | | |
|--------------------------|---------------|
| *Keenan Horani, B.S | Galveston, TX |
| Andrew Coskey, M.D | Lexington, KY |
| John C. Hagedorn II, M.D | Galveston, TX |
- 10:28 AM – 10:33 AM **190. Work-Related Musculoskeletal Disorders and Surgical Ergonomics in Orthopedic Suregery**
- | | |
|------------------------------------|---------------|
| *Nikhil Vasireddi, MHA | Cleveland, OH |
| Aakash Shah, B.A. | Cleveland, OH |
| Neal Vasireddi | Cleveland, OH |
| Andrew J. Moyal, M.D. | Cleveland, OH |
| Heath P. Gould | New York, NY |
| Elizabeth B. Gausden, M.D., M.P.H. | New York, NY |
| James E. Voos, M.D. | Cleveland, OH |
| Jacob G. Calcei, M.D. | Cleveland, OH |
- 10:33 AM – 10:41 AM **Floor Discussion**

- 10:42 AM – 10:47 AM **191. A Novel Cannulated Screw and Locking Neutralization Plate Construct for Transverse Patella Fracture Fixation**
- | | |
|-------------------------|-------------|
| *Dmitriy Peresada, M.D. | Chicago, IL |
| Majd Tarabichi, M.D. | Chicago, IL |
| Joseph Karam, M.D. | Chicago, IL |
| Alexander Crespo, M.D. | Chicago, IL |
| Sapan Shah, M.D. | Chicago, IL |
| Asher Lichtig, M.D. | Chicago, IL |
| Apurva Choubey, M.D. | Chicago, IL |
| Brett A. Drake, B.S. | Chicago, IL |
| Farid Amirouche, Ph.D. | Chicago, IL |
- 10:48 AM – 10:53 AM **192. Short-Term Morbidity and Mortality After Distal Femur Open Reduction Internal Fixation in the Geriatric Population**
- | | |
|------------------------|-------------|
| Mark A. Plantz, M.D. | Chicago, IL |
| Erik B. Gerlach, M.D. | Chicago, IL |
| Jeremy S. Marx, M.D. | Chicago, IL |
| *Jennings Dooley, M.D. | Chicago, IL |
| Tyler Compton, M.D. | Chicago, IL |
| Clayton Welsh, M.D. | Chicago, IL |
- 10:54 AM – 10:59 AM **193. Virtual Reality Improves Procedural Confidence of Tibial Intramedullary Nail Insertion**
- | | |
|-------------------------------|-------------|
| Mark D. Orland, M.D. | Chicago, IL |
| Lucas Paladino, M.D. | Chicago, IL |
| Abhishek Deshpande, M.D. | Chicago, IL |
| Nandini R. Siva, MBBS | Chicago, IL |
| Ye Lin, M.D. | Chicago, IL |
| Julio C. Tafur, M.D. | Chicago, IL |
| *Apurva Choubey, M.D. | Chicago, IL |
| Brett A. Drake, B.S. | Chicago, IL |
| Mark H. Gonzalez, M.D., Ph.D. | Chicago, IL |
- 10:59 AM – 11:06 AM **Floor Discussion**
- 11:07 AM – 11:12 AM **Spotlight Lecture**
- Topic: *Geriatric Proximal Femur Fractures: The Bad Player Patterns and Solutions for Success*
- Speaker: Krystin Hidden, M.D.
Rochester, MN
- Co-Moderator | Papers #194 – 204: S. Trent Guthrie, M.D.
Detroit, MI**
- Co-Moderator | Papers #194 – 204: Krystin Hidden, M.D.
Rochester, MN**

- 11:13 AM – 11:18 AM **194. Reoperation in Extremity and Pelvic Fractures: An Analysis of Risk Factors and Hemoglobin A1c**
*John P. Bonamer, B.S. Cincinnati, OH
Andrew S. Emmert Cincinnati, OH
Brian Johnson, M.D. Augusta, GA
Michael J. Beltran, M.D. Cincinnati, OH
Zachary Crawford, M.D. Cincinnati, OH
- 11:19 AM – 11:24 AM **195. Ballistic Injuries of the Humerus: A Matched Cohort Analysis**
Walter Smith, M.D. Birmingham, AL
*Matthew Hargreaves, B.S. Birmingham, AL
Kyle Paul, M.D. Birmingham, AL
Joseph Elphingstone, M.D. Birmingham, AL
Srihari Prahad Birmingham, AL
Rodney Arthur, M.D. New York, NY
Amit Momaya, M.D. Birmingham, AL
Clay A. Spitler, M.D. Birmingham, AL
Eugene W. Brabston, M.D. Birmingham, AL
- 11:25 AM – 11:30 AM **196. Feasibility of a Novel Fluoroscopic Trainer for the Orthopedic Trainee**
Matthew Freeman, M.D. Omaha, NE
Samuel Mormino, B.S. Omaha, NE
*Ashley Creager, M.D. Omaha, NE
Elizabeth Lyden, M.S. Omaha, NE
Justin C. Siebler, M.D. Omaha, NE
- 11:31 AM – 11:36 AM **197. Investigating Treatment Modalities and Outcomes of Bilateral Knee Extensor Mechanism Ruptures: A Retrospective Cohort Study**
*Keshav Poudel Jacksonville, FL
Aaron J. Krych, M.D. Rochester, MN
Daniel B. F. Saris, M.D., Ph.D. Rochester, MN
Michael J. Stuart, M.D. Rochester, MN
Martin Husen, M.D. Heidelberg, Germany
- 11:36 AM – 11:44 AM **Floor Discussion**
- 11:45 AM – 11:50 AM **198. Outcomes Following Distal Humerus Fractures in Elderly Individuals: Should We Fix Them All?**
*Bhargavi Maheshwer, M.D. Cleveland, OH
Margaret A. Sinkler, M.D. Cleveland, OH
George Ochenjele, M.D. Cleveland, OH
- 11:51 AM – 11:56 AM **199. The Impact of Nutrition Supplementation on Clinical Outcomes Among Orthopedic Trauma Patients: A Systematic Review and Meta-Analysis**
*John Davison, M.P.H. Iowa City, IA
Alex Demers, M.D. Iowa City, IA
Natalie A. Glass, Ph.D. Iowa City, IA
Lisa Reider, Ph.D. Baltimore, MD
Michael C. Willey, M.D. Iowa City, IA

- 11:57 AM – 12:02 PM **200. Increased Utilization of Total Joint Arthroplasty for the Treatment of Distal Femur Fractures**
 *Tyler C. Nicholson, M.D. Ft. Cavazos, TX
 Cole M. Patrick, M.D. Ft. Bliss, TX
 Mikel C. Tihista, M.D. Ft. Bliss, TX
 Michael M. Polmear, M.D. Ft. Bliss, TX
- 12:02 PM – 12:09 PM **Floor Discussion**
- 12:10 PM – 12:15 PM **201. Preliminary Outcomes of the "Femoral Neck System": Equivalent Outcomes at Two Years to a Matched Cohort of Cannulated Screws**
 Katherine E. Mallett, M.D. Rochester, MN
 Krystin A. Hidden, M.D. Rochester, MN
 William W. Cross III, M.D. Rochester, MN
 S. Andrew Sems, M.D. Rochester, MN
 Brandon J. Yuan, M.D. Rochester, MN
 *Rachel L. Honig, M.D. Rochester, MN
- 12:16 PM – 12:21 PM **202. Revisiting the "48-Hour" Rule in Patients Undergoing Arthroplasty for Femoral Neck Fracture**
 *Charles A. Gusho, M.D. Columbia, MO
 Kyle H. Cichos, Ph.D. Columbia, GA
 Brett D. Crist, M.D., FACS Columbia, MO
 James A. Keeney, M.D. Columbia, MO
 Ajay Aggarwal, M.D. Columbia, MO
 Arthroplasty for Hip Fracture Consortium
 Elie Ghanem, M.D. Columbia, MO
- 12:22 PM – 12:27 PM **203. The Fragility of Statistical Significance in the Use of Aspirin in Prevention of Venous Thromboembolism Events Following Hip Fracture Surgery: A Systematic Review**
 *Tyler K. Williamson, D.O. San Antonio, TX
 Victor H. Martinez, B.S. San Antonio, TX
 Frank A. Buttacavoli, M.D. San Antonio, TX
- 12:28 PM – 12:33 PM **204. No Relationship Between Funding and Outcomes in Syndesmotic Dynamic Fixation Devices: A Systematic Review of Bibliometrics and Conflicts of Interest**
 *David A. Brueggeman, M.D. Dayton, OH
 Garrhett G. Via, M.D. Dayton, OH
 Joseph G. Lyons, M.D. Dayton, OH
 Michael J. Prayson, M.D. Dayton, OH
 Brandon R. Horne, M.D. Dayton, OH
- 12:33 PM – 12:45 PM **Floor Discussion**

SATURDAY, APRIL 13, 2024
BREAKOUT SESSION #14 | SPINE/PEDIATRICS

ROOM: SANIBEL

Co-Moderator | Papers #205 – 214: Anthony F. Guanciale, M.D.
Cincinnati, OH

Co-Moderator | Papers #205 – 214: Catherine R. Olinger, M.D.
Iowa City, IA

9:45 AM – 9:50 AM	<p>205. Assessing Postoperative Pain and Spine Surgeons Opioid Prescription Practices in Patients Undergoing Spine Surgery Using the Detroit Intervention Pain Assessment Tool (DIPA) *Emmanuel A. Adeyemo, M.D. Detroit, MI Lauryn Boggs, B.S. Detroit, MI Sasha Stine, M.D. Detroit, MI</p>
9:51 AM – 9:56 AM	<p>206. Thromboembolic Disease Following Adult Spinal Deformity Surgery: An Analysis of Over 7,400 Spinal Deformity Patients *Sree M. Vemu, M.D. Houston, TX Daniel O. Gallagher Houston, TX Kevin Bondar, M.D. Houston, TX Takashi Hirase, M.D. Houston, TX Jacob Harris Houston, TX Phillip Louie, M.D. Houston, TX Arya Varthi, M.D. Houston, TX Bradley S. Lambert, Ph.D. Houston, TX Comron Saifi, M.D. Houston, TX</p>
9:57 AM - 10:02 AM	<p>207. A Prospective Analysis: Indolent Cutibacterium Acnes Infection in Primary Discectomy Patients John P. Bonamer, B.S. Cincinnati, OH Zachary Crawford, M.D. Cincinnati, OH John W. Stout Cincinnati, OH Sarah C. Kurkowski, M.D. Cincinnati, OH Andrew S. Emmert Cincinnati, OH Brian Johnson, M.D. Cincinnati, OH Henry Kuechly Cincinnati, OH *Anthony F. Guanciale, M.D. Cincinnati, OH</p>
10:02 AM - 10:09 AM	Floor Discussion

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| 10:10 AM – 10:15 AM | <p>208. Patient Specific Three-Dimensional Printed Guides Reduced Operative Times and Blood Loss in Scoliosis Surgery: A Patient Matched Comparison</p> <p>Christina K. Hardesty, M.D. Cleveland, OH
 *Matthew J. Folkman, B.S. Cleveland, OH
 Nihal Punjabi, B.S. Cleveland, OH</p> |
| 10:16 AM – 10:21 AM | <p>209. Resident Spine Education: A Simulation Based Curriculum</p> <p>*Nithya Lingampalli, M.D. Maywood, IL
 Hector Castillo, M.D. Chicago, IL
 Harold A. Fogel, M.D. Chicago, IL
 Alexander J. Ghanayem, M.D. Chicago, IL
 Bartosz Wojewnik, M.D. Chicago, IL</p> |
| 10:22 AM – 10:27 AM | <p>210. What is the Impact of Socioeconomic Status on the Mental and Physical Health, Functional Recovery, and Risk of Postoperative Complication After Surgery?</p> <p>*James R. L. Hall, M.D. Iowa City, IA
 Alex R. Coffman, B.S. Iowa City, IA
 Brandon J. Marshall, M.D. Iowa City, IA
 Natalie A. Glass, Ph.D.. Iowa City, IA
 Cassim M. Igram, M.D. Iowa City, IA
 Andrew J. Pugely, M.D. Iowa City, IA
 Catherine R. Olinger, M.D. Iowa City, IA</p> |
| 10:28 AM – 10:33 AM | <p>211. The Impact of C2 Screw Placement Technique on Radiographic and Clinical Outcomes After C2-T2 Posterior Cervical Fusion</p> <p>Hannah A. Levy, M.D. Rochester, MN
 Zachariah W. Pinter, M.D. Rochester, MN
 *Andrew D. Pumford, B.A. Rochester, MN
 Harold I. Salmons IV, M.D. Rochester, MN
 Sarah H. Townsley, M.D. Rochester, MN
 Konstantinos Katsos, MBBS Rochester, MN
 Ahmad N. Nassr, M.D. Rochester, MN
 Brett A. Freedman, M.D. Rochester, MN
 Brian Karamian, M.D. Salt Lake City, UT
 Arjun S. Sebastian, M.D. Rochester, MN</p> |
| 10:33 AM – 10:41 AM | <p>Floor Discussion</p> |
| 10:42 AM – 10:47 AM | <p>212. How Long Can You Delay? Curve Progression While Awaiting Vertebral Body Tethering Surgery</p> <p>*Christina Regan, B.S. Rochester, MN
 Bharadwaj Jilakara, B.A. Rochester, MN
 M. Bryant Transtrum, B.S. Rochester, MN
 Julia Todderud, B.S. Rochester, MN
 Todd A. Milbrandt M.D. Rochester, MN
 A. Noelle Larson, M.D. Rochester, MN</p> |

- 10:48 AM – 10:53 AM **213. Understanding the Impact of Family Member Presence During Pediatric Forearm Fracture Reductions in the Emergency Department**
 *Elizabeth M. Wacker, M.D. Cincinnati, OH
 Paige Gloster, M.D. Cincinnati, OH
 Wendy G. Ramalingam, M.D. Cincinnati, OH
- 10:54 AM – 10:59 AM **214. Does Time to Surgery Impact Nerve Recovery in Supracondylar Humerus Fractures with Nerve Injury?**
 *Brian D. Wahlig, M.D. Rochester, MN
 Mikaela H. Sullivan, M.D. Rochester, MN
 Samuel E. Broida, M.D. Rochester, MN
 A. Noelle Larson, M.D. Rochester, MN
 William J. Shaughnessy, M.D. Rochester, MN
 Anthony A. Stans, M.D. Rochester, MN
 Emmanouil Grigoriou, M.D. Rochester, MN
 Todd A. Milbrandt, M.D. Rochester, MN
- 10:59 AM – 11:06 AM **Floor Discussion**
- 11:07 AM – 11:12 AM **Spotlight Lecture**
 Topic: *Surgical Standardization for AIS Surgery*
 Speaker: Amy L. McIntosh, M.D.
 Dallas, TX
- Co-Moderator | Papers #215 – 225: Michael C. Albert, M.D.
 Dayton, OH**
- Co-Moderator | Papers #215 – 225: Laura W. Lewallen, M.D.
 Chicago, IL**
- 11:13 AM – 11:18 AM **215. Opioid vs. Non-Opioid Postoperative Pain Management of Supracondylar Humerus Fractures in a Pediatric Population**
 *Katelyn Paulsen, B.F.A. Iowa City, IA
 Brandon Marshall, M.D. Iowa City, IA
 Heather Kowalski, M.D. Iowa City, IA
- 11:19 AM – 11:24 AM **216. Transitional Ankle Fractures: Selecting for Success in Emergency Department Closed Reduction**
 Christine A. Ho, M.D. Dallas, TX
 *Amy L. McIntosh, M.D. Dallas, TX
- 11:25 AM – 11:30 AM **217. Developmental Anatomy of the Radial Bow in Pediatric Patients Using 3D Imaging**
 *Victoria J. Nedder Cleveland, OH
 Kallie J. Chen, M.D. Cleveland, OH
 Catherine May Baltimore, MD
 Joshua M. Abzug, M.D. Baltimore, MD
 Raymond W. Liu, M.D. Cleveland, OH

11:31 AM – 11:36 AM	218. The Impact of Neighborhood Disadvantage on Outcomes in the Diagnosis and Management of Slipped Capital Femoral Epiphysis (SCFE)	
	*Janeen S. Thomas	Chicago, IL
	Laura W. Lewallen, M.D.	Chicago, IL
	Clarabelle A. DeVries, M.D.	Chicago, IL
11:36 AM – 11:44 AM	Floor Discussion	
11:45 AM – 11:50 AM	219. Timing of Intrathecal Morphine Administration and Its Impact on Pain Control in Adolescent Idiopathic Scoliosis	
	*Jacob C. Maier M.D.	Akron, OH
	Andrew Meyer, M.D.	Akron, OH
	Catherine Hord, B.S.	Akron, OH
	Richard Steiner, Ph.D.	Akron, OH
	Tarun Bhalla, M.D.	Akron, OH
	Lorena Floccari, M.D.	Akron, OH
11:51 AM – 11:56 AM	220. Motion Preservation following Vertebral Body Tethering: An Analysis of 103 Patients	
	*Christina M. Regan, B.S.	Rochester, MN
	M. Bryant Transtrum	Rochester, MN
	Todd A. Milbrandt, M.D.	Rochester, MN
	A. Noelle Larson, M.D.	Rochester, MN
11:57 AM – 12:02 PM	221. Radiation Exposure in Navigated Techniques for AIS	
	Mikaela H. Sullivan M.D.	Rochester, MN
	*Aliya G. Feroe, M.D., MPH	Rochester, MN
	Lifeng Yu, Ph.D.	Rochester, MN
	Beth A. Schueler, Ph.D.	Rochester, MN
	Ahmad N. Nassr, M.D.	Rochester, MN
	Todd A. Milbrandt, M.D.	Rochester, MN
	A. Noelle Larson, M.D.	Rochester, MN
12:02 PM – 12:09 PM	Floor Discussion	
12:10 PM – 12:15 PM	222. Do Skeletal Maturity Estimates Correlate when Performed at Different Anatomical Locations?	
	*Kallie J. Chen, M.D.	Cleveland, OH
	Amog Mysore, B.S.	Cleveland, OH
	Ryan J. Furdock, M.D.	Cleveland, OH
	Abdus Sattar, Ph.D.	Cleveland, OH
	Margaret A. Sinkler, M.D.	Cleveland, OH
	Michael P. Glotzbecker, M.D.	Cleveland, OH
	Raymond W. Liu, M.D.	Cleveland, OH

- 12:16 PM – 12:21 PM **223. The Blade Quality Scale: A Visual Classification System for the Use-Mediated Thermogenic Properties of Cast Saw Blades**
*Annemarie K. Leonard, M.D. Omaha, NE
Ian P. Erkkila, B.S. Chicago, IL
Jill Larson, M.D. Chicago, IL
- 12:22 PM – 12:27 PM **224. Short-Term Outcomes of Hyperselective Neurectomy for Lower Extremity Spasticity in Pediatric Patients with Upper Motor Neuron Injury**
*Lainey G. Bukowiec, M.D. Rochester, MN
Kitty Wu, M.D. Rochester, MN
Peter C. Rhee, D.O., M.S. Rochester, MN
- 12:28 PM – 12:33 PM **225. Elastic Stable Intramedullary Nailing of Tibial Shaft Fractures in Children: Clinical and Radiographic Outcomes**
*Alan D. Lam, B.S. Kansas City, MO
Charles T. Mehlman, D.O., M.P.H. Cincinnati, OH
- 12:33 PM – 12:45 PM **Floor Discussion**

SATURDAY, APRIL 13, 2024
BREAKOUT SESSION #15 | HIP AND KNEE ARTHROPLASTY

ROOM: CALUSA ABCD

Co-Moderator | Papers #226 – 235: Anna Cohen-Rosenblum, M.D.
Metairie, LA

Co-Moderator | Papers #226 – 235: Javad Parvizi, M.D., FRCS
Philadelphia, PA

- | | |
|---------------------|---|
| 9:45 AM – 9:50 AM | <p>226. Novel 3D Printed Compressible Highly-Porous Titanium Metaphyseal Cones in Revision TKA</p> <p>*Abhijit Seetharam, M.D. Indianapolis, IN
 Julian E. Dilley, M.D. Indianapolis, IN
 Leonard T. Buller, M.D. Indianapolis, IN
 Kevin A. Sonn, M.D. Indianapolis, IN
 Evan R. Deckard, B.S.E. Noblesville, IN
 R. Michael Meneghini, M.D. Fishers, IN</p> |
| 9:51 AM – 9:56 AM | <p>227. Revision Total Knee Arthroplasty in Octogenarians: A Matched Cohort Comparison of Outcomes</p> <p>Joyee Tseng, M.S. Chicago, IL
 Alexander J. Acuña, M.D. Chicago, IL
 *Siddhartha Dandamudi, B.S. Chicago, IL
 Steven Kurina, B.S. Chicago, IL
 Brett R. Levine, M.D., M.S. Chicago, IL
 Omar Behery, M.D., M.P.H. Chicago, IL</p> |
| 9:57 AM - 10:02 AM | <p>228. Metal-Backed Patella in Revision TKA: A Viable Option in a Bone-Preserving Approach</p> <p>Joshua L. Tidd, B.S. Cleveland, OH
 Ignacio Pasqualini, M.D. Cleveland, OH
 Mitchell Beckert, M.D. Cleveland, OH
 Viktor Krebs, M.D. Cleveland, OH
 Alison K. Klika, M.S. Cleveland, OH
 Nicolas S. Piuuzzi, M.D. Cleveland, OH
 *Matthew Deren, M.D. Cleveland, OH</p> |
| 10:02 AM - 10:09 AM | <p>Floor Discussion</p> |
| 10:10 AM – 10:15 AM | <p>229. Do Outcomes Differ After Medial UKA Based on Indications? A Prospective Cohort Study</p> <p>*John D. D. Higgins, M.D. Chicago, IL
 Steven Kurina, B.S. Chicago, IL
 Anne DeBenedetti, M.Sc. Chicago, IL
 Joyee Tseng, B.S. Chicago, IL
 Charles P. Hannon, M.D. Rochester, MN
 Craig J. Della Valle, M.D. Chicago, IL</p> |

- 10:16 AM – 10:21 AM **230. High Area Deprivation Index Decreases Attainment of Patient Acceptable Symptom State Following THA**
- | | |
|---------------------------|---------------|
| Jason Beachler, M.D. | Cleveland, OH |
| Joshua L. Tidd, B.S. | Cleveland, OH |
| Ignacio Pasqualini, M.D. | Cleveland, OH |
| Yuxuan Jin, M.S. | Cleveland, OH |
| Alison K. Klika, M.S. | Cleveland, OH |
| Viktor Krebs, M.D. | Cleveland, OH |
| Trevor G. Murray, M.D. | Cleveland, OH |
| Robert M. Molloy, M.D. | Cleveland, OH |
| Nicolas S. Piuuzzi, M.D. | Cleveland, OH |
| *John P. McLaughlin, D.O. | Cleveland, OH |
- 10:22 AM – 10:27 AM **231. Does the Amount of Noise Generated Differ Between Manual and Robotic TJA?**
- | | |
|-----------------------------|-------------|
| John D. D. Higgins, M.D. | Chicago, IL |
| Nabil Mehta, M.D. | Chicago, IL |
| Vasili Karas, M.D. | Chicago, IL |
| Denis Nam, M.D., M.Sc., | Chicago, IL |
| *Craig J. Della Valle, M.D. | Chicago, IL |
- 10:28 AM – 10:33 AM **232. Preoperative Osteoporosis Impact on Healthcare Utilization and Clinical Outcomes Following TKA**
- | | |
|----------------------------|---------------|
| Ahmed K. Emara, M.D. | Cleveland, OH |
| Matthew R. Zielinski, M.D. | Cleveland, OH |
| Oguz Turan, M.D. | Cleveland, OH |
| *Ignacio Pasqualini, M.D. | Cleveland, OH |
| Chao Zhang, M.S. | Cleveland, OH |
| Alison K. Klika, M.S. | Cleveland, OH |
| Peter Surace, M.D. | Cleveland, OH |
| Matthew E. Deren, M.D. | Cleveland, OH |
| Robert M. Molloy, M.D. | Cleveland, OH |
| Nicolas S. Piuuzzi, M.D. | Cleveland, OH |
- 10:33 AM – 10:41 AM **Floor Discussion**
- 10:42 AM - 10:47 AM **233. A Comparison of Charlson Comorbidity, Elixhauser Comorbidity, Frailty Indices to Predict Outcomes Following Total Hip Arthroplasty**
- | | |
|-----------------------------------|-----------------|
| *Aaron Singh, B.A. | San Antonio, TX |
| Travis M. Kotzur, B.S | San Antonio, TX |
| Augustine Deering | San Antonio, TX |
| Jordan Carter, M.D. | San Antonio, TX |
| Ali Seifi, M.D., FACP, FNCS, FCCM | San Antonio, TX |
| Chance Moore, M.D. | San Antonio, TX |

- 10:48 AM – 10:53 AM **234. Body Mass Index Severity as a Predictor of Total Hip Arthroplasty Complications**
 *Jibreel Hussain Chicago, IL
 Cecil Babul Chicago, IL
 Amber N. Lopez Chicago, IL
 Apurva S. Choubey, M.D. Chicago, IL
 Brett A. Drake Chicago, IL
 Abhishek Deshpande, M.D. Chicago, IL
 Julio Castillo-Tafur, M.D. Chicago, IL
- 10:54 AM – 10:59 AM **235. Comparative Outcomes After Cemented Unicompartmental and Total Knee Arthroplasty Based on BMI**
 *William Evans, B.S. Indianapolis, IN
 Mary Ziemba-Davis, B.A. Fishers, IN
 Leonard T. Buller, M.D. Indianapolis, IN
 R. Michael Meneghini, M.D. Fishers, IN
- 10:59 AM – 11:06 AM **Floor Discussion**
- 11:07 AM – 11:12 AM **Spotlight Lecture**
 Topic: *PJI: Thinking Outside the Box*
 Speaker: Javad Parvizi, M.D., FRCS
 Philadelphia, PA
- Co-Moderator | Papers #236 – 246: Brett R. Levine, M.D., M.S.
 Chicago, IL**
- Co-Moderator | Papers #236 – 246: Craig R. Mahoney, M.D.
 West Des Moines, IA**
- 11:13 AM – 11:18 AM **236. Image-Based vs. Image-Less Computer-Navigation in THA: A Comparison of Measurements in the Same Cases**
 Ryan J. Cone, M.D. St. Louis, MO
 Joseph Gibian M.D. St. Louis, MO
 *Matthew W. Booth, M.D. St. Louis, MO
 Ling Chen Ph.D. St. Louis, MO
 Kimberly A. Bartosiak M.D. St. Louis, MO
 Ilya Bendich St. Louis, MO
 Charles P. Hannon M.D. Rochester, MN
- 11:19 AM – 11:24 AM **237. Three Differing Methods of Treating Intraoperative Non-Displaced Calcar Fractures Demonstrates Equivalent Radiographic Stem Subsidence**
 *Enrico M. Forlenza, M.D. Chicago, IL
 John D. D. Higgins, M.D. Chicago, IL
 Tim Keating, M.D. Chicago, IL
 Richard A. Berger, M.D. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL
 Scott M. Sporer, M.D. Chicago, IL

- 11:25 AM – 11:30 AM **238. Early Outcomes Following Tourniquetless Uncemented and Cemented Total Knee Arthroplasty: A Matched Cohort Analysis**
 *Ryan Pattyn, M.D. Indianapolis, IN
 Mary Ziemba-Davis, B.A. Fishers, IN
 R. Michael Meneghini, M.D. Fishers, IN
 Leonard T. Buller, M.D. Indianapolis, IN
- 11:31 AM – 11:36 AM **239. Osteoporosis is Associated with Increased Healthcare Utilization and Clinical Outcomes After THA**
 Ahmed K. Emara, M.D. Cleveland, OH
 Jason R. Teplensky, M.D. Cleveland, OH
 Oguz Turan, B.S. Cleveland, OH
 Ignacio Pasqualini, M.D. Cleveland, OH
 Chao Zhang, M.S. Cleveland, OH
 Alison K. Klika, M.S. Cleveland, OH
 Peter Surace, M.D. Cleveland, OH
 Robert M. Molloy, M.D. Cleveland, OH
 Matthew E. Deren, M.D. Cleveland, OH
 Nicolas S. Piuzzi, M.D. Cleveland, OH
 *Matthew R. Zielinski, M.D. Cleveland, OH
- 11:36 AM – 11:44 AM **Floor Discussion**
- 11:45 AM – 11:50 AM **240. Robot-Assisted Total Hip Arthroplasty Increases the Risk of Periprosthetic Fracture**
 *Lindsey Peng, B.S. San Antonio, TX
 Aaron Singh, B.A. San Antonio, TX
 Travis M. Kotzur, B.S. San Antonio, TX
 Chimobi Emukah, M.D. San Antonio, TX
 Ali Seifi, M.D., FACP, FNCS, FCCM San Antonio, TX
 Chance Moore, M.D. San Antonio, TX
- 11:51 AM – 11:56 AM **241. Short-Term Incidence of Reoperation and Associated Risk Factors in Aseptic Revision Total Hip Arthroplasty Using Cementless Distal Fixation Modular Stems**
 *Michael S. Ramos, M.S. Cleveland, OH
 Yuxuan Jin, M.S. Cleveland, OH
 Pedro J. Rullán, M.D. Cleveland, OH
 Alison K. Klika, M.S. Cleveland, OH
 Robert M. Molloy, M.D. Cleveland, OH
 Matthew E. Deren, M.D. Cleveland, OH
 Viktor E. Krebs., M.D. Cleveland, OH
 Peter Surace, M.D. Cleveland, OH
 Nicolas S. Piuzzi, M.D. Cleveland, OH

12:28 PM – 12:33 PM

246. A 10-Year Analysis of Major Shifts in Outpatient Total Hip Arthroplasty in the United States

*Matthew R. Zielinski, M.D.	Cleveland, OH
Ahmed K. Emara, M.D.	Cleveland, OH
Oguz Turan, B.S.	Cleveland, OH
Ignacio Pasqualini, M.D.	Cleveland, OH
Pedro J. Rullán, M.D.	Cleveland, OH
James Xu, B.S.	Cleveland, OH
Viktor E. Krebs, M.D.	Cleveland, OH
Robert M. Molloy, M.D.	Cleveland, OH
Nicolas S. Piuze, M.D.	Cleveland, OH

12:33 PM – 12:45 PM

Floor Discussion