

MID-AMERICA ORTHOPAEDIC ASSOCIATION Poster Presentations – 2021 Annual Meeting

- Posters will be located in the Magnolia Foyer of the Omni Amelia Island Resort at Amelia Island, FL
- There will be two poster sessions
- Poster presenters will be available for discussion and questions at the below times. CME credit is given for poster viewing at these times only.
 - Posters 1-120 Thursday, September 30, 2021, 10:30-11:00 a.m.
 - Posters 121-240 Friday, October 1, 2021, 10:30-11:00 a.m.

THURSDAY SESSION

Hip (16 posters)

1. Patient Outcomes after Contemporary Two-Stage Reimplantation for Infected Hip and Knee Arthroplasty
Christian Sikoski, B.S. Indianapolis, IN
Mary Ziemba-Davis, B.A. Indianapolis, IN
*R. Michael Meneghini, M.D. Indianapolis, IN
2. Do Septic Revision Total Hip Arthroplasty Patients have Improved Pain and Function at 1 Year and What Factors Drive Their Outcomes?
*Hiba K. Anis, M.D. Cleveland, OH
Olivia Krebs, B. Eng. Cleveland, OH
Jared A. Warren, D.O. Cleveland, OH
Alison K. Klika, M.S. Cleveland, OH
Isaac Briskin, M.S. Cleveland, OH
Viktor E. Krebs, M.D. Cleveland, OH
Trevor G. Murray, M.D. Cleveland, OH
Carlos A. Higuera, M.D. Weston, FL
Nicolas S. Piuzzi, M.D. Cleveland, OH
3. Reduced Infection Rate after Aseptic Revision Total Hip Arthroplasty with Extended Antibiotic Protocol
Amer Mohiuddin, B.S. Indianapolis, IN
Justin Rice, B.S. Indianapolis, IN
Mary Ziemba-Davis, B.A. Indianapolis, IN
*R. Michael Meneghini, M.D. Indianapolis, IN
4. Incidence and Risk Factors for Failure of Primary Hip Arthroscopy within One Year: A Population-Based Study
Zain M. Khazi, B.S. Iowa City, IA
Steven R. Dayton Chicago, IL
Daniel J. Johnson, M.D. Chicago, IL
Richard W. Nicolay, M.D. Chicago, IL
Vehniah K. Tjong, M.D., FRCS(C) Chicago, IL
Michael A. Terry, M.D. Chicago, IL
*Bejan A. Alvandi, M.D. Chicago, IL

Poster Position #5 deleted

6. Comparative Efficacy of Preoperative Quadratus Lumborum Blocks in Hip Arthroscopy
*Ryan E. Blackwell, M.D. Columbus, OH
Michael Kushelev, M.D. Columbus, OH
John Norton, M.D. Columbus, OH
W. Kelton Vasileff, M.D. Columbus, OH
7. Identifying Variables for Progression to Poor Outcomes after Periacetabular Osteotomy, a Multi-Center Study Utilizing Machine Learning
*Joshua R. Labott, M.D. Rochester, MN
Ayoosh Pareek, M.D. Rochester, MN
Alexander G. Athey, M.D. Rochester, MN
Cody C. Wyles, M.D. Rochester, MN
Christopher L. Peters, M.D. Salt Lake City, UT
John C. Clohisy, M.D. St. Louis, MO
Robert T. Trousdale, M.D. Rochester, MN
Rafael J. Sierra, M.D. Rochester, MN

Poster Position #8 deleted

9. Decisional Conflict Changes after Evaluation in a Hip Preservation Clinic
*W. Kelton Vasileff, M.D. Columbus, OH
Lindsey Brown, P.T., D.P.T. Columbus, OH
John M. Ryan, M.D. Columbus, OH
Stephanie DiStasi, Ph.D. Columbus, OH
10. Complications in Over 1,000 Joint Arthroplasty Procedures Performed in Ambulatory Surgery Centers
James S. Chambers, M.D. Memphis, TN
*Anthony Marois, M.D. Memphis, TN
Anthony Mascioli, M.D. Memphis, TN
11. Is it Safe? Using Big Heads and Small Cups with Highly Crosslinked Polyethylene in Total Hip Arthroplasty
Courtney E. Baker, M.D. Rochester, MN
*Brandon R. Bukowski, M.D. Rochester, MN
Robert T. Trousdale, M.D. Rochester, MN

Poster Position #12 deleted

13. Anterior Acetabular Retractors and the Femoral Neurovascular Bundle in Anterior Total Hip Arthroplasty: A Cadaveric Study
Trevor Stubbs, M.D. Birmingham, AL
*Romil K. Patel, B.S. Birmingham, AL
Andrew Moon, B.S. Birmingham, AL
Nicholas Dahlgren, B.S. Birmingham, AL
Harshadkumar Patel, M.D. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL
Sameer Naranje, M.D. Birmingham, AL
14. Mini-Optical Navigation Improves Leg Lengths and Acetabular Inclination; Anteversion Remains Elusive
Matthew G. Robinson, M.D. Chicago, IL
Jason Y. Chen, M.D. Chicago, IL
Nancy Cipparrone, M.A. Morton Grove, IL
Ritesh R. Shah, M.D. Morton Grove, IL
15. Echocardiographic Changes in Metal-on-Metal vs. non-Metal-on-Metal Total Hip Arthroplasty: Are Increased Metal Ion Levels Associated with Cardiomyopathy?
*Brian Darrith, M.D. Detroit, MI
Jonathan H. Shaw, M.D. Detroit, MI
Tahsin Rahman, B.S. Detroit, MI
Karthikeyan Ananthasubramaniam, M.D., FACC Detroit, MI
Nicholas B. Frisch, M.D., M.B.A. Rochester, MI
Joshua J. Jacobs, M.D. Chicago, IL
Craig D. Silverton, D.O. Detroit, MI
16. Do More Potent Opioids Have Greater Risk for Postoperative Opioid Use After Total Hip Arthroplasty?
David E. DeMik, M.D., PharmD Iowa City, IA
Christopher N. Carender, M.D. Iowa City, IA
Timothy S. Brown, M.D. Houston, TX
*Nicholas A. Bedard, M.D. Iowa City, IA
17. Risk Factors for a Failed Arthrocentesis in the Setting of Total Hip Arthroplasty
Richard W. Nicolay, III, M.D. Chicago, IL
Pratik B. Patel, M.D. Chicago, IL
Daniel J. Johnson, M.D. Chicago, IL
Joshua P. Castle Chicago, IL
Michael T. Peabody, M.D. Chicago, IL
Kevin D. Hardt, M.D. Chicago, IL
David W. Manning, M.D. Chicago, IL
*Haley E. Smith, M.D. Chicago, IL

18. Does Presence of an Intramedullary Fixation Device Adversely Affect Durability of Cemented Femoral Fixation after Conversion Hip Arthroplasty for Failed Intertrochanteric Hip Fracture?
 Juan S. Vargas-Hernandez, M.D. Rochester, MN
 William W. Cross, III, M.D. Rochester, MN
 Kevin I. Perry, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN
 *Brandon J. Yuan, M.D. Rochester, MN
19. Use of Natural Language Processing Tools to Identify and Classify Periprosthetic Femur Fractures
 *Meagan E. Tibbo, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Sunyang Fu, M.H.I. Rochester, MN
 Sunghwan Sohn, Ph.D. Rochester, MN
 David G. Lewallen, M.D. Rochester, MN
 Daniel J. Berry M.D. Rochester, MN
 Hilal Maradit-Kremers, M.D., MSc. Rochester, MN

Poster Position #20 deleted

21. Preoperative Factors Are Minimally Associated with Weight Change Following Total Knee and Total Hip Arthroplasty
 *George J. Borrelli, M.D. Maywood, IL
 Patrick K. Strotman, M.D. Maywood, IL
 Amy Wozniak, M.D. Maywood, IL
 Nicholas M. Brown, M.D. Maywood, IL

Knee (11 posters)

22. Prosthetic Joint Infection after Isolated Tibial Polyethylene Exchange for Aseptic Instability
 *John V. Horberg, M.D. Springfield, IL
 Dane J. Church, M.D. Springfield, IL
 R. David Graham, M.D. Springfield, IL
 Monica Stumpf, M.D. Springfield, IL
 D. Gordon Allan, M.D. Springfield, IL

Poster Position #23 deleted

24. Utility of Serum D-Dimer Test for the Diagnosis of Periprosthetic Joint Infection in Revision Total Hip and Knee Arthroplasty
 Tejbir S. Pannu, M.D., M.S. Weston, FL
 *Jesus M. Villa, M.D. Weston, FL
 Aldo M. Riesgo Weston, FL
 Alison K. Klika, M.S. Cleveland, OH
 Preetesh D. Patel, M.D. Weston, FL
 Wael K. Barsoum, M.D. Weston, FL
 Carlos A. Higuera, M.D. Weston, FL
25. Management of Periprosthetic Joint Infection and Extensor Mechanism Disruption with Modular Knee Fusion: Clinical and Biomechanical Outcomes
 *Wesley H. Mayes, M.D. Little Rock, AR
 Anna Severin, Ph.D. Little Rock, AR
 Jeffrey B. Stambough, M.D. Little Rock, AR
 Paul K. Edwards, M.D. Little Rock, AR
 C. Lowry Barnes, M.D. Little Rock, AR
 Erin M. Mannen, Ph.D. Little Rock, AR
 Simon C. Mears, M.D. Little Rock, AR

Poster Position #26 deleted

27. The Relationship Between Degree of Preoperative Opioid Use and Total Knee Arthroplasty Complications
 Charles Qin, M.D. Chicago, IL
 *Cody S. Lee, B.S. Chicago, IL
 Aravind Athiviraham, M.D. Chicago, IL
28. Dose of Preoperative Opioids Affects Outcomes after Total Knee Arthroplasty
 *E. Bailey Terhune, M.D. Chicago, IL
 Charles P. Hannon, M.D. Chicago, IL
 Robert A. Burnett, M.D. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL
29. Outcomes of a Novel Technique Combining Diaphyseal Impaction Grafting and Metaphyseal Cones for Severe Bone Loss in Revision Total Knee Arthroplasties
 Nicholas A. Bedard, M.D. Iowa City, IA
 *Robert A. Cates, D.O. Rochester, MN
 David G. Lewallen, M.D. Rochester, MN
 Arlen D. Hanssen, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Matthew P. Abdel, M.D. Rochester, MN

30. Selective Patella Resurfacing in Contemporary Total Knee Arthroplasty: A Matched Cohort Analysis
 Gregory J. Schmidt, M.D. Indianapolis, IN
 *Hassan Farooq, M.D. Indianapolis, IN
 Evan R. Deckard, B.S.E. Indianapolis, IN
 Mary Ziemba-Davis, B.A. Indianapolis, IN
 R. Michael Meneghini, M.D. Indianapolis, IN
31. Simplified Low-Cost Revision Knee System Patient Outcomes Are Not Different than Outcomes with High-Cost Premium Implants
 Abhi Seetharam, M.D. Indianapolis, IN
 Mary Ziemba-Davis, B.A. Indianapolis, IN
 Evan R. Deckard, B.S.E. Indianapolis, IN
 Lucian C. Warth, M.D. Indianapolis, IN
 *R. Michael Meneghini, M.D. Indianapolis, IN

Poster #32 Deleted

33. What Are the Pain and Functional Outcomes of Aseptic Total Knee Arthroplasty Revision and Can We Predict Improvement?
 Jared A. Warren, D.O. Cleveland, OH
 Olivia Krebs, B.S. Cleveland, OH
 Hiba Anis, M.D. Cleveland, OH
 Alison K. Klika, M.S. Cleveland, OH
 Greg Strnad, M.S. Cleveland, OH
 Jonathan L. Schaffer, M.D. Cleveland, OH
 Robert M. Molloy, M.D. Cleveland, OH
 *Carlos A. Higuera, M.D. Weston, FL
 Nicolas S. Piuze, M.D. Cleveland, OH

Poster Position #34 Deleted

35. Refuting Dogma with Science: Posterior Cruciate Ligament Resection Does Not Consistently Increase the Flexion Space
 Lucian C. Warth, M.D. Indianapolis, IN
 *Evan R. Deckard, B.S.E. Indianapolis, IN
 R. Michael Meneghini, M.D. Indianapolis, IN

Mixed Topics (3 posters)

36. Resident Involvement is Not Associated with Increased Risk of Postoperative Complications after Arthroscopic Knee Surgery: A Propensity-Matched Study
Zain M. Khazi, B.S. Iowa City, IA
*Trevor R. Gulbrandsen, M.D. Iowa City, IA
Alan G. Shamrock, M.D. Iowa City, IA
Qiang An, M.B.B.S., M.P.H. 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
37. Unmatched Orthopedic Applicants: Similar Outcome Between Surgical Internship and Research Year
*Michael M. Kheir, M.D. Indianapolis, IN
Timothy L. Tan, M.D. Philadelphia, PA
Alexander J. Rondon, M.D., M.B.A. Philadelphia, PA
Antonia F. Chen, M.D., M.B.A. Boston, MA
38. Effects of C-UVC Filtration on Operating Room Airborne Bacterial Concentration During Pediatric Orthopedic Procedures
*David J. Ulery, D.O. Toledo, OH
Benjamin Boothby, D.O. Toledo, OH
James T. Lehner, M.D. Dayton, OH
Michael C. Albert, M.D. Dayton, OH

Sports (15 posters)

39. A Prospective, Surgeon Blinded, Randomized Control Trial in Knee Arthroscopy: Can We Eliminate Opioid Medications for Postoperative Pain Control?
Matthew J. Hartwell, M.D. Chicago, IL
*Bejan A. Alvandi, M.D. Chicago, IL
Ryan S. Selley, M.D. Chicago, IL
Michael A. Terry, M.D. Chicago, IL
Vehniah K. Tjong, M.D., FRCS(C) Chicago, IL

Poster Position #40 deleted

Poster Position #41 deleted

Poster Position #42 deleted

Poster Position #43 deleted

44. Arthroscopic vs. Open Irrigation and Debridement in Native Septic Knees: A Retrospective Review
 Theodore L. Schoenfeldt, M.D. Maywood, IL
 Madeline M. Lyons, M.D. Maywood, IL
 Michael W. Perry, M.D. Maywood, IL
 *Nicholas M. Brown, M.D. Maywood, IL
45. The Effect of Shoulder Range of Motion on Arm Stress in College Pitchers: A MOTUS Baseball Study
 *Lafi S. Khalil, M.D. Detroit, MI
 Caleb M. Gullledge, B.S. Detroit, MI
 Toufic R. Jildeh, M.D. Detroit, MI
 Joseph S. Tramer, M.D. Detroit, MI
 Fabien Meta, M.D. Detroit, MI
 Kevin Taylor, M.D. Detroit, MI
 Grace Smith, B.S. Detroit, MI
 Eric C. Makhni, M.D., M.B.A. Detroit, MI
 Kelechi R. Okoroha, M.D. Detroit, MI
 Vasilios Moutzouros, M.D. Detroit, MI
46. Should We Operate after a First-Time Anterior Shoulder Dislocation? A Comparison of Pathology, Surgical Techniques, and Outcomes of Patients Undergoing Surgery after One vs. Multiple Dislocations
 Christopher D. Bernard, B.S. Rochester, MN
 *Bradley M. Kruckeberg, M.D. Rochester, MN
 Devin P. Leland, M.D. Rochester, MN
 Lucas K. Keyt, B.S. Rochester, MN
 Matthew D. LaPrade, B.S. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Diane L. Dahm, M.D. Rochester, MN
 Jonathan D. Barlow, M.D., M.S. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
47. Incidence and Epidemiological Factors of Injuries Requiring Hip Arthroscopy in National Collegiate Athletic Association Division-I Football Bowl Subdivision
 Ajay C. Lall, M.D., M.S. Des Plaines, IL
 Cynthia Kyin, B.A. Des Plaines, IL
 Philip J. Rosinsky, M.D. Des Plaines, IL
 David R. Maldonado, M.D. Des Plaines, IL
 Jacob Shapira, M.D. Des Plaines, IL
 Benjamin G. Domb, M.D. Des Plaines, IL
 Shawn Annin, M.D. Des Plaines, IL
 *Andrew Jimenez, M.D. Des Plaines, IL
48. Clinical Tests Used to Diagnose Anterior Cruciate Ligament Tear are Less Accurate in Obese Patients: A Retrospective Study
 *Sravya P. Vajapey, M.D., M.B.A. Columbus, OH
 Timothy L. Miller, M.D. Columbus, OH

50. Asymmetries in Functional Lower Extremity Movements in Professional Baseball Players
 *Lucas T. Buchler, M.D. Denver, CO
 Charles A. Thigpen, Ph.D., P.T., A.T.C. Greenville, SC
 Ellen Stanley, Ph.D., P.T., O.C.S. Greenville, SC
 Matthew Nabers, P.T.A. Denver, CO
 Michael J. Kissenberth, M.D. Greenville, SC
 Thomas J. Noonan, M.D. Denver, CO
51. Incidence of Displaced Posterolateral Tibial Plateau and Lateral Femoral Condyle Impaction Fractures in the Setting of Primary ACL Tear
 *David L. Bernholt, M.D. Germantown, TN
 Nicholas N. DePhillipo, M.S., A.T.C., O.T.C. Edina, MN
 W. Jeffrey Grantham, M.D. Lexington, KY
 Zachary S. Aman, B.A. Philadelphia, PA
 Matthew D. Crawford, M.D. Austin, TX
 Robert F. LaPrade, M.D., Ph.D. Edina, MN
52. Risk for Re-Rupture after ACL Reconstruction with Relative Workload Changes in NBA Players
 Lafi Khalil, M.D. Detroit, MI
 Robert N. Matar, M.D. Detroit, MI
 Tahsin Rahman Detroit, MI
 Luke Hessburg, B.S. Detroit, MI
 *Sreten Franovic, B.S. Detroit, MI
 Erika Carter Detroit, MI
 Nima Mehran, M.D., M.S. Detroit, MI
 Kelechi R. Okoroha, M.D. Detroit, MI
53. The Timing and Factors Behind Sport Specialization in Major League Soccer Athletes
 *Derrick M. Knapik, M.D. Cleveland, OH
 Katherine H. Rizzone, M.D. Rochester, NY
 James E. Voos, M.D. Cleveland, OH
54. Isolated Meniscus Extrusion and the Role of the Meniscotibial Ligament
 Christopher D. Bernard, B.S. Rochester, MN
 *Devin P. Leland, M.D. Rochester, MN
 Lucas K. Keyt, B.S. Rochester, MN
 Matthew Laprade, B.S. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
 Adam Johnson, M.D. Rochester, MN
 Jonathan Finnoff, M.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN

Poster position #55 deleted

56. The Contrasting Impacts of an Orthopedic Procedure on Major League Baseball Pitchers and Position Players
 *Gurmit Singh, M.D. Minneapolis, MN
 Andrew D. Schneider, M.D. Chicago, IL
 Graham Englert Chicago, IL
 Sumender Sharma Chicago, IL
 Duy K. Nguyen Chicago, IL
 Matthew D. Saltzman, M.D. Chicago, IL
 Stephen M. Gryzlo, M.D. Chicago, IL
 Wellington K. Hsu, M.D. Chicago, IL
57. A Qualitative Assessment of Return to Sport Following Ulnar Collateral Ligament Reconstruction
 Mitesh P. Mehta, B.A. Chicago, IL
 Vehniah K. Tjong, M.D., FRCS(C) Chicago, IL
 Joshua G. Peterson, B.S. Chicago, IL
 Manish P Mehta, M.D. Chicago, IL
 *Haley E. Smith, M.D. Chicago, IL
 Robert A. Christian, M.D. Chicago, IL
 Stephen M. Gryzlo, M.D. Chicago, IL
58. Players' Perspectives on Successfully Returning to Professional Baseball after Medial Ulnar Collateral Ligament Reconstruction
 *Christopher L. Camp, M.D. Rochester, MN
 Andrew R. Jensen, M.D. Rochester, MN
 Devin P. Leland, M.D. Rochester, MN
 Nancy Flynn, ATC Santa Clara, CA
 Jeff Lahti, DPT Minneapolis, MN
 Ryan R. Wilbur, B.A. Rochester, MN
 Bryant M. Song, M.S. Rochester, MN
 Stan Conte, PT, DPT, ATC Santa Clara, CA

Shoulder (14 posters)

59. Forearm Position Matters During Eccentric Shoulder Exercises: An EMG Recruitment Study with Implications for Rehabilitation
 Corbin A. Hedt, PT Houston, TX
 *Bradley S. Lambert, Ph.D. Houston, TX
 Jentry M. Pearson, PT Houston, TX
 Joshua Daum, B.S. Houston, TX
 Patrick C. McCulloch, M.D. Houston, TX

60. The Impact of Resident Involvement on Postoperative Complications Following Shoulder Arthroscopy
 *Trevor R. Gulbrandsen, M.D. Iowa City, IA
 Zain M. Khazi, B.S. Iowa City, IA
 Alan G. Shamrock, M.D. Iowa City, IA
 Qiang An, M.B.B.S., M.P.H. Iowa City, IA
 Kyle R. Duchman, M.D. Iowa City, IA
 J. Lawrence Marsh, M.D. Iowa City, IA
 Robert W. Westermann, M.D. Iowa City, IA
 Brian R. Wolf, M.D., M.S. Iowa City, IA
61. Anterior Shoulder Instability: Outcome of Initial Nonoperative Treatment in 739 Patients with a Mean Follow-Up of 15 Years
 *Nicholas C. Duethman, M.D. Rochester, MN
 Christopher D. Bernard, B.S. Rochester, MN
 Devin P. Leland, M.D. Rochester, MN
 Lucas K. Keyt, B.S. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Diane L. Dahm, M.D. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
62. Does an Early Mobilization Rehabilitation Protocol Influence Pain Scores and Opioid Consumption in Patients Undergoing Arthroscopic Rotator Cuff Repair?
 Mauricio Drummond, Jr., M.D. Weston, FL
 John Merriam, B.S. Boca Raton, FL
 Conner Dalton, B.S. Boca Raton, FL
 Gregory Gilot, M.D. Weston, FL
 Vani J. Sabesan, M.D. Boca Raton, FL
 *Laila H. Khoury, B.S. Granada Hills, CA
63. Acute Surgical Management of Proximal Humerus Fractures: ORIF vs. Hemiarthroplasty vs. Reverse Shoulder Arthroplasty
 *B. Israel Yahuaca, M.D. Tampa, FL
 Peter Simon, Ph.D. Tampa, FL
 Kaitlyn N. Christmas, B.S., C.C.R.C. Tampa, FL
 Shaan Patel, M.D. Tampa, FL
 R. Allen Gorman, II, M.D. Tampa, FL
 Mark A. Mighell, M.D. Tampa, FL
 Mark A. Frankle, M.D. Tampa, FL
64. The Accuracy of the Superomedial Approach for Glenohumeral Injections
 *Matthew F. Dilisio, M.D. Omaha, NE

65. Cost Analysis and Complication Profile of Primary Shoulder Arthroplasty at a High-Volume Institution
- | | |
|-------------------------------------|---------------|
| *Erick M. Marigi, M.D. | Rochester, MN |
| Justin C. Kennon, M.D. | Rochester, MN |
| Chad E. Songy, M.D. | Rochester, MN |
| Sue L. Visscher, Ph.D. | Rochester, MN |
| Bijan J. Borah, Ph.D. | Rochester, MN |
| Cathy D. Schleck | Rochester, MN |
| Robert H. Cofield, M.D. | Rochester, MN |
| Joaquin Sanchez-Sotelo, M.D., Ph.D. | Rochester, MN |
| John W. Sperling, M.D., M.B.A. | Rochester, MN |
66. Total Shoulder Arthroplasties in Physician-Owned Hospitals: Is it Time to Reconsider the Restrictions of the Affordable Care Act (ACA)?
- | | |
|------------------------------|--------------|
| Azeem T. Malik, M.B.B.S. | Columbus, OH |
| *Mathangi Sridharan, B.S. | Columbus, OH |
| Julie Y. Bishop, M.D. | Columbus, OH |
| Safdar N. Khan, M.D. | Columbus, OH |
| Andrew S. Neviasser, M.D. | Columbus, OH |
| Gregory L. Cvetanovich, M.D. | Columbus, OH |
67. Association Between Rotator Cuff Fatty Infiltration and Posterior Glenoid Wear in Glenohumeral Osteoarthritis
- | | |
|---------------------------|-------------|
| Matthew J. Hartwell, M.D. | Chicago, IL |
| *Bejan A. Alvandi, M.D. | Chicago, IL |
| Ryan E. Harold, M.D. | Chicago, IL |
| Patrick T. Sweeney, M.D. | Chicago, IL |
| Amee L. Seitz | Chicago, IL |
| Guido M. Marra, M.D. | Chicago, IL |
| Matthew D. Saltzman, M.D. | Chicago, IL |
68. Correlation Between Goutallier Classification, Glenoid Version Angle, and Walch Classification on MRI vs. CT scan in Glenohumeral Osteoarthritis
- | | |
|---------------------------|-------------|
| Ryan E. Harold, M.D. | Chicago, IL |
| Matthew J. Hartwell, M.D. | Chicago, IL |
| *Bejan A. Alvandi, M.D. | Chicago, IL |
| Patrick T. Sweeney, M.D. | Chicago, IL |
| Amee L. Seitz | Chicago, IL |
| Guido Marra, M.D. | Chicago, IL |
| Matthew D. Saltzman, M.D. | Chicago, IL |

69. Osteoporosis is Common and Undertreated Prior to Elective Shoulder Arthroplasty
- | | |
|------------------------------|-------------|
| *James T. Bernatz, M.D. | Madison, WI |
| Andrew E. Brooks, M.D. | Madison, WI |
| Benjamin P. Nguyen, B.S. | Madison, WI |
| Edward D. Shin, B.S. | Madison, WI |
| Neil C. Binkley, M.D. | Madison, WI |
| Paul A. Anderson, M.D., M.S. | Madison, WI |
| Brian F. Grogan, M.D. | Madison, WI |

Poster Position #70 deleted

71. Deltoid Volume Effects on Range of Motion and Outcomes Following Reverse Total Shoulder Arthroplasty in Rotator Cuff Intact and Deficient Conditions
- | | |
|------------------------------|-------------|
| S. Gray McClatchy, M.D. | Memphis, TN |
| *Anthony J. Marois, M.D. | Memphis, TN |
| Griffin M. Heise, B.S. | Memphis, TN |
| William M. Mihalko, M.D. | Memphis, TN |
| Frederick M. Azar, M.D. | Memphis, TN |
| Richard A. Smith, Ph.D. | Memphis, TN |
| Dexter H. Witte, III, M.D. | Memphis, TN |
| John G. Stanfill, M.D. | Memphis, TN |
| Thomas W. Throckmorton, M.D. | Memphis, TN |
| Tyler J. Brolin, M.D. | Memphis, TN |
72. Does Acromion Anatomy Affect Acromion Stress Fracture after Reverse Shoulder Arthroplasty?
- | | |
|------------------------|----------------|
| Vani J. Sabesan, M.D. | Boca Raton, FL |
| Yang Yang, Ph.D. | Detroit, MI |
| Diego J. L. Lima, M.D. | Weston, FL |
| Ravi T. Rudraraju | Weston, FL |
| Matthew Stankard, B.S. | Boca Raton, FL |
| William Liou, Ph.D. | Detroit, MI |
| *Alessia Lavin | Miami, FL |
73. Risk Factors for Postoperative Blood Transfusion after Shoulder Arthroplasty
- | | |
|----------------------------------|--------------|
| *Kyle J. Kopechek, B.S. | Columbus, OH |
| Joshua S. Everhart, M.D., M.P.H. | Columbus, OH |
| Travis L. Frantz, M.D. | Columbus, OH |
| Richard Samade, M.D., Ph.D. | Columbus, OH |
| Julie Y. Bishop, M.D. | Columbus, OH |
| Andrew S. Neviasser, M.D. | Columbus, OH |
| Gregory L. Cvetanovich, M.D. | Columbus, OH |

Trauma (9 posters)

74. Novel Tricep Tenotomy Approach to Distal Humerus: Clinical Outcomes and Anatomic Characterization
*Aaron R. Owen, M.D. Rochester, MN
David V. Ivanov Rochester, MN
Jonathan D. Barlow, M.D., M.S. Rochester, MN
Michael E. Torchia, M.D. Rochester, MN
Brandon J. Yuan, M.D. Rochester, MN

Poster Position #75 deleted

76. Primary ORIF vs. Staged Fixation of Gustilo II Open Ankle Fractures: A Retrospective Study
Brandi R. Hartley, M.D. Louisville, KY
Jon B. Carlson, M.D. Louisville, KY
Lauren M. Nelson, M.D. Louisville, KY
*Jordan L. Pamplin, B.S. Louisville, KY
Grant O. Schmidt, B.A. Louisville, KY
77. Does Delayed Closure of Both Bone Forearm Fractures Increase Infection Rates?
*Kelly M. Bridgham, B.S. Baltimore, MD
Nathan O'Hara, M.H.A. Baltimore, MD
Robert O'Toole, M.D. Baltimore, MD
Raymond Pensy, M.D. Baltimore, MD
78. Locked Plating of Geriatric Olecranon Fractures and Early Mobilization Leads to Low Fixation Failure in Patients Over the Age of 75
*Kelsey Wise, M.D. St. Paul, MN
Sarah C. Peck, B.S. St. Paul, MN
Lauren Casnovsky, M.D. St. Paul, MN
Chad Myeroff, M.D. St. Paul, MN
79. Cut Cortical Screw Purchase in Diaphyseal Bone: A Biomechanical Study
*Alexander C. Wendling, M.D. Wichita, KS
Benjamin J. Cooper, M.D. Wichita, KS
Joel D. White, M.S. Wichita, KS
Chad M. Corrigan, M.D. Wichita, KS
Bradley R. Dart, M.D. Wichita, KS

Poster Position #80 deleted

Poster Position #81 deleted

Poster Position #82 deleted

83. Length of Stay Following Geriatric Hip Fracture Surgery; Do Physical Therapy Availability and Day of Surgery Matter?
 Paul S. Whiting, M.D. Madison, WI
 James T. Bernatz, M.D. Madison, WI
 *Andrew E. Brooks, M.D. Madison, WI
 Ryan M. Graf, M.D. Madison, WI
 Alexander B. Siy, B.S. Madison, WI
 Christopher J. Doro, M.D. Madison, WI
 David C. Goodspeed, M.D. Madison, WI
 Gerald J. Lang, M.D. Madison, WI
84. Polymeric Brushite Cement (P-DCPD): A New Injectable Drug-Eluting Bone Void Filler for the Repair of Load-Bearing Bone Defects
 Weiping Ren, M.D., Ph.D. Detroit, MI
 Tong Shi, M.S. Detroit, MI
 David C. Markel, M.D. Southfield, MI
 *Brendan Comer, M.D. Southfield, MI
85. Far Cortical Locking Constructs Generate Increased Callus Area in Distal Femur Fractures Compared to Standard Locking Plates
 *Brandon G. Wilkinson, M.D. Iowa City, IA
 Yanin Plumarom, M.D. Bangkok, Thailand
 Nathan R. Hendrickson, M.D. Iowa City, IA
 Natalie A. Glass, Ph.D. Iowa City, IA
 Michael C. Willey, M.D. Iowa City, IA
 J. Lawrence Marsh, M.D. Iowa City, IA
 Matthew D. Karam, M.D. Iowa City, IA

Poster Position #86 deleted

Opioid Management (5 posters)

87. Patient and Surgical Factors Influence Postoperative Opioid Prescription in Single Admission, Single Surgery Orthopedic Trauma Patients
 John P. Mickley Columbus, OH
 *Austin J. Roebke, M.D. Columbus, OH
 Joshua S. Everhart, M.D., M.P.H. Columbus, OH
 Thomas J. Scharschmidt, M.D. Columbus, OH
 Kanu S. Goyal, M.D. Columbus, OH
 Thuan V. Ly, M.D. Columbus, OH

88. Innovative Methods to Achieve Opioid-Free Arthroscopic Rotator Cuff Repair
 Kiran Chatha, M.D. Miami, FL
 Sandra Koen, ATC Aventura, FL
 Gregory Gilot, M.D. Weston, FL
 Wilfredo Borroto, B.S. San Juan, Puerto Rico
 John Merriam, B.S. Weston, FL
 Vani J. Sabesan, M.D. Weston, FL
 *Laila Khoury Granada Hills, CA
89. Opioid Prescribing Patterns in Reverse Shoulder Arthroplasty: What Surgeons Need to Know
 Vani J. Sabesan, M.D. Boca Raton, FL
 Jordan Grauer, B.S. Boca Raton, FL
 Matthew Stankard, B.S. Boca Raton, FL
 Nikolas Echeverry, B.S. Boca Raton, FL
 Arjun Meiyappan, M.D. Weston, FL
 Kiran Chatha, M.D. Miami, FL
 *Alessia Lavin Miami, FL
90. Can We Eliminate Opioids after Common Orthopedic Sports Procedures? A Novel Multimodal Pain Protocol
 *Toufic R. Jildeh, M.D. Detroit, MI
 Vasilios Moutzouros, M.D. Detroit, MI
 Lafi S. Khalil, M.D. Detroit, MI
 Kaylin Schwartz, P.A. Detroit, MI
 Laith Hasan, B.S. New Orleans, LA
 Kelechi R. Okoroha, M.D. Detroit, MI
91. Opioid Requirement Following Arthroscopic Knee Surgery: Are There Predictive Factors Associated with Long-Term Use?
 Georgina Glogovac, M.D. Cincinnati, OH
 Mark Kennedy, B.S. Cincinnati, OH
 *Michael D. Parman, M.D. Cincinnati, OH
 Robert N. Matar, M.D. Cincinnati, OH
 Katherine A. Bowers, Ph.D., M.P.H. Cincinnati, OH
 Angelo J. Colosimo, M.D. Cincinnati, OH
 Brian M. Grawe, M.D. Cincinnati, OH

Poster position #92 deleted

Poster position #93 deleted

Tumor (2 posters)

94. Mid-Term Results of Tantalum Acetabular Cup for Total Hip Arthroplasty after Pelvic Radiation
Matthew P. Abdel, M.D. Rochester, MN
Peter S. Rose, M.D. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
Arlen D. Hanssen, M.D. Rochester, MN
David G. Lewallen, M.D. Rochester, MN
*Cory G. Couch, M.D. Rochester, MN
95. Can We Identify Meaningful Thresholds for the Facility Volume-Outcome Relationship in Treatment of Primary Malignant Bone Tumors?
*Azeem T. Malik, M.B.B.S. Columbus, OH
John Alexander, M.D. Columbus, OH
Safdar N. Khan, M.D. Columbus, OH
Thomas J. Scharschmidt, M.D. Columbus, OH

Poster position #96 deleted

Pediatrics (3 posters)

97. Effect of Tranexamic Acid Dosing on the Percent of Total Blood Lost During Adolescent Idiopathic Scoliosis Surgery
*Katherine M. Krenek, M.D. Minneapolis, MN
Christopher S. Vara, M.D. Minneapolis, MN
Kristen E. Jones, M.D. Minneapolis, MN
Natalie Scholz, M.P.H. Minneapolis, MN
Allison Wolf, M.P.H. Minneapolis, MN
David W. Polly, Jr., M.D. Minneapolis, MN

Poster Position #98 deleted

Poster Position #99 deleted

100. Gartland Type II Supracondylar Humerus Fractures: Outcomes of Closed Reduction in the Emergency Department
Christian C. McCartney, M.D. Oklahoma City, OK
Samuel F. Thompson, M.D. Oklahoma City, OK
*Garrett Waller, M.D. Oklahoma City, OK
Scott H. Conant, M.D. Oklahoma City, OK
David Y. Chong, M.D. Oklahoma City, OK
Thomas Hart Oklahoma City, OK
John Parker Oklahoma City, OK
101. Do We Need Orthopedic Follow-Up for Pediatric Clavicle Fractures?
*Micah J. Nieboer, M.D. Rochester, MN
Richard J. McLaughlin, M.D. Rochester, MN
Todd A. Milbrandt, M.D. Rochester, MN
A. Noelle Larson, M.D. Rochester, MN

Hand (5 posters)

102. Assessment of 30-Day Adverse Events in Single-Event, Multi-Level Upper Extremity Surgery in Adult Patients with Upper Motor Neuron Syndrome
*Raahil S. Patel, B.S. Tampa, FL
Peter C. Rhee, D.O., M.S. Rochester, MN

Poster Position #103 deleted

104. Effect of Trapeziectomy on Carpal Stability
Aaron W. Paul, M.D. Tulsa, OK
Christian M. Athens, D.O. Rochester, MN
Marco Rizzo, M.D. Rochester, MN
Peter C. Rhee, D.O., M.S. Rochester, MN
*Raahil S. Patel, B.S. Tampa, FL
105. Safety of Regional vs. General Anesthesia in Revision Ulnar Nerve Decompression
*Lauren E. Dittman, M.D. Rochester, MN
Courtney Carlson Strother, M.D. Rochester, MN
Steven L. Moran, M.D. Rochester, MN
Marco Rizzo, M.D. Rochester, MN
Scott P. Steinmann, M.D. Rochester, MN
Alexander Y. Shin, M.D. Rochester, MN
Brian T. Carlsen, M.D. Rochester, MN
David G. Dennison, M.D. Rochester, MN
Peter C. Rhee, D.O., M.S. Rochester, MN
106. Does Radiotherapy Impact Oncological and Functional Outcome in the Treatment of Soft Tissue Sarcomas of the Hand?
Nicholas F. Munaretto, M.D. Rochester, MN
Anthony L. Logli, M.D. Rochester, MN
Peter S. Rose, M.D. Rochester, MN
Karim Bakri, M.B.B.S. Rochester, MN
Steven L. Moran, M.D. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
*Lauren E. Dittman, M.D. Rochester, MN

Poster position #107 deleted

108. Natural History of Poland Syndrome: Functional and Psychosocial Outcomes in Adulthood
Sarah M. Schippers, M.D. Iowa City, IA
*Hailee Reist, M.D. Iowa City, IA
Qiang An, M.B.B.S., M.P.H. Iowa City, IA
Joseph A. Buckwalter V, M.D., Ph.D. Iowa City, IA

Spine (3 posters)

109. Minimally Invasive Fusion of the Sacroiliac Joint with Compression and Aggressive Joint Preparation: Mid-Term Patient Outcomes
*Jeremy C. Thompson, M.D. Rochester, MN
Marko N. Tomov, M.D. Rochester, MN
William W. Cross, III, M.D. Rochester, MN

Poster Position #110 deleted

Poster Position #111 deleted

112. Retrospective Study of Donor-Site Morbidity Following Posterior Iliac Crest Bone-Graft Harvest in Lumbar Spinal Fusion Operations
*Evan P. Larson, M.D. Omaha, NE
Emmett J. Gannon, M.D. Omaha, NE
Jake S. Long, B.S. Omaha, NE
Tyler D. Evans, B.S. Omaha, NE
Elizabeth R. Lyden, M.S. Omaha, NE
Chris A. Cornett, M.D. Omaha, NE
113. Stability of the Sacral Table Angle in Pediatric Patients with Spinal Pathology
David G. Wallington, M.S. Kalamazoo, MI
Patrick D. Albright, B.S. Kalamazoo, MI
Alexandria I. Chrumka, B.S. Kalamazoo, MI
Rebecca D. Funk, B.S. Kalamazoo, MI
Dale E. Rowe, M.D. Kalamazoo, MI
Joseph K. Weistroffer, M.D. Kalamazoo, MI
*Karen M. Bovid, M.D. Kalamazoo, MI

Foot and Ankle (5 posters)

114. Review of Variability in Rehabilitation Protocols after Lateral Ankle Ligament Repair
Christina A. Hermanns Kansas City, KS
Reed G. Coda Kansas City, KS
Sana G. Cheema Kansas City, KS
Matthew L. Vopat, M.D. Wichita, KS
Armin Tarakemeh Kansas City, KS
*Alexander C. Wendling, M.D. Kansas City, KS
J. Paul Schroepel, M.D. Kansas City, KS
Scott M. Mullen, M.D. Kansas City, KS
Bryan G. Vopat, M.D. Kansas City, KS

115. Do Geographic Region, Pathologic Chronicity, and Hospital Affiliation Affect Access to Care Among Medicaid- and Privately-Insured Foot and Ankle Surgery Patients?
- | | |
|----------------------------|----------------|
| Aaradhana J. Jha, M.D. | Birmingham, AL |
| Charles C. Pitts | Birmingham, AL |
| Bridgette M. Love | Birmingham, AL |
| Haley M. McKissack, B.S. | Birmingham, AL |
| Mohit Jain, M.D. | Birmingham, AL |
| Jun Kit He, M.A. | Birmingham, AL |
| Alexander Dombrowsky, B.S. | Birmingham, AL |
| Ashish Brahmhatt, M.D. | Birmingham, AL |
| Ashish B. Shah, M.D. | Birmingham, AL |
| *Sean Young, B.S. | Birmingham, AL |

Poster Position #116 deleted

117. First Tarsometatarsal Fusion Using Saw Preparation vs. Standard Preparation of the Joint: A Cadaver Study
- | | |
|--------------------------------|----------------|
| Karthikeyan Chinnakkannu, M.D. | Birmingham, AL |
| Haley M. McKissack, B.S. | Birmingham, AL |
| Aaradhana J. Jha, M.D. | Birmingham, AL |
| Ashish Brahmhatt, M.D. | Birmingham, AL |
| Alexander Dombrowsky, B.S. | Birmingham, AL |
| *Jessyca L. Ray, B.S. | Birmingham, AL |
| Sameer M. Naranje, M.D. | Birmingham, AL |
| Ashish B. Shah, M.D. | Birmingham, AL |
118. Biomechanical Comparison of a Novel Method of Tricortical Kirschner Wire Fixation of First Metatarsal Distal Chevron Osteotomy vs. Traditional Fixation
- | | |
|------------------------------|---------------|
| *Jie Chen, M.D., M.P.H. | Galveston, TX |
| Natalie Renee Black | Galveston, TX |
| Randal Morris | Galveston, TX |
| Vinod Kumar Panchbhavi, M.D. | Galveston, TX |
119. Patient-Reported Opioid Consumption Following Outpatient Foot and Ankle Surgery
- | | |
|---------------------------|-------------------|
| *Samuel F. Thompson, M.D. | Oklahoma City, OK |
| Zac P. Burrow, M.D. | Oklahoma City, OK |
| Scott H. Conant, M.D. | Oklahoma City, OK |
| Jonathan L. Tobey, M.D. | Oklahoma City, OK |
| Ryan W. Morrisett, M.D. | Oklahoma City, OK |
| Evan S. Fene, M.D. | Dallas, TX |
| Samantha P. Kelly, B.S. | Oklahoma City, OK |
| Jake Fox, B.S. | Oklahoma City, OK |
| Amgad M. Haleem, M.D. | Oklahoma City, OK |

Poster position #120 deleted

FRIDAY SESSION

Hip (14 posters)

Poster Position #121 deleted

122. Total Hip Arthroplasty in Patients with Lymphedema: A Matched Cohort Study
*William G. Rainer, III, D.O. Rochester, MN
Joshua M. Kolz, M.D. Rochester, MN
Cody C. Wyles, M.D. Rochester, MN
Kevin I. Perry, M.D. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
David G. Lewallen, M.D. Rochester, MN
123. Spine Pathology Better Predicts THA Dislocation Than Health Status and Cup Orientation
*Michael P. Murphy, M.D. Maywood, IL
Andrew Schneider, M.D. Maywood, IL
Ryan LeDuc, M.D. Maywood, IL
Cameron J. Killen, M.D. Maywood, IL
Karen Wu, M.D. Maywood, IL
Nicholas M. Brown, M.D. Maywood, IL
124. Patient Factors that Predict Surgeon Time Commitment and Hospital Cost for Revision Total Joint Arthroplasty
Amir M. Boubekri, M.D. Maywood, IL
Michael P. Murphy, M.D. Maywood, IL
Heather Yee Maywood, IL
*Nicholas M. Brown, M.D. Maywood, IL
125. Hospital Charges Are Higher for Revision Compared to Fracture Fixation of Periprosthetic Fractures of the Hip
*Samuel R. Boas, B.S. Cleveland, OH
Matthew Kaufman, B.A. Cleveland, OH
Alexander Rascoe, M.D. Cleveland, OH
Yida Cai, B.A. Cleveland, OH
Anand Kumar, M.D. Cleveland, OH
Glenn Wera, M.D. Cleveland, OH

Poster position #126 deleted

127. Postoperative Ileus Following Primary Total Hip Arthroplasty: A Comparison of Patient Demographics, In-Hospital Lengths of Stay, and Patient-Related Risk Factors
- | | |
|--------------------------|--------------|
| *Angelo Mannino, M.D. | Brooklyn, NY |
| Samuel J. Swiggett, M.D. | Brooklyn, NY |
| Mitchell Ng, M.D. | Brooklyn, NY |
| Jack Choueka, M.D. | Brooklyn, NY |
| Afshin E. Razi, M.D. | Brooklyn, NY |
| Michael A. Mont, M.D. | New York, NY |
| Orry Erez, M.D. | Brooklyn, NY |
128. Asymptomatic Gluteal Tendinopathies Negatively Impact Outcomes of Total Hip Arthroplasty: A Propensity-Score Matched Study
- | | |
|----------------------------|-----------------|
| Philip J. Rosinsky, M.D. | Des Plaines, IL |
| Rishika Bheem, B.A. | Des Plaines, IL |
| Marshall Haden, M.D. | Chicago, IL |
| David R. Maldonado, M.D. | Des Plaines, IL |
| Jacob Shapira, M.D. | Des Plaines, IL |
| Mitchell B. Meghpara, M.D. | Des Plaines, IL |
| Ajay Lall, M.D. | Des Plaines, IL |
| Benjamin G. Domb, M.D. | Des Plaines, IL |
| *Andrew Jimenez, M.D. | Des Plaines, IL |
129. Resilience and Depression Influence Clinical Outcomes Following Primary Total Joint Arthroplasty
- | | |
|---|---------------|
| Jonathan Q. Trinh, B.S. | Iowa City, IA |
| Christopher N. Carender, M.D. | Iowa City, IA |
| Qiang An, M.B.B.S., M.P.H. | Iowa City, IA |
| Nicolas O. Noiseux, M.D., FRCS(C), M.S. | Iowa City, IA |
| Jesse E. Otero, M.D., Ph.D. | Charlotte, NC |
| Timothy S. Brown, M.D. | Houston, TX |
| *Nicholas A. Bedard, M.D. | Iowa City, IA |
130. The Effects of Cannabis Use Disorder Following Primary Total Hip Arthroplasty
- | | |
|---------------------------|--------------|
| Angelo Mannino, M.D. | Brooklyn, NY |
| Rushabh M. Vakharia, M.D. | Brooklyn, NY |
| Samuel J. Swiggett, M.D. | Brooklyn, NY |
| Afshin E. Razi, M.D. | Brooklyn, NY |
| Michael A. Mont, M.D. | New York, NY |
| Jason Wong, M.D. | Brooklyn, NY |
| Orry Erez, M.D. | Brooklyn, NY |
| *Jordan Pasternack, M.D. | Brooklyn, NY |

131. Revision Surgery for Periprosthetic Fractures Following Total Hip Arthroplasty: Does Timing Matter?
 Nathanael D. Heckmann, M.D. Los Angeles, CA
 *JaeWon Yang, B.A. Chicago, IL
 Kevin L. Ong, Ph.D. Philadelphia, PA
 Edmund C. Lau, M.S. Menlo Park, CA
 Brian C. Fuller, M.D. Irving, TX
 Daniel D. Bohl, M.D, M.P.H. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL
132. Total Hip Arthroplasty Dislocation Risk Using a Machine Learning Algorithm
 Cody C. Wyles, M.D. Rochester, MN
 Hilal Maradit-Kremers, M.D. Rochester, MN
 Poulami Barman, M.S. Rochester, MN
 Dirk R. Larson, M.S. Rochester, MN
 Eric C. Polley, Ph.D. Rochester, MN
 David G. Lewallen, M.D. Rochester, MN
 Daniel J. Berry, M.D. Rochester, MN
 Mark W. Pagnano, M.D. Rochester, MN
 Michael J. Taunton, M.D. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN
 *Rafael J. Sierra, M.D. Rochester, MN
133. Does Outpatient Surgery Increase Early Complications After Total Hip Arthroplasty?
 David E. DeMik, M.D., PharmD Iowa City, IA
 Christopher N. Carender, M.D. Iowa City, IA
 Joshua M. Eisenberg, M.D. Iowa City, IA
 Qiang An, MBBS, MPH Iowa City, IA
 Timothy S. Brown, M.D. Houston, TX
 *Nicholas A. Bedard, M.D. Iowa City, IA
134. Impact of Leg-Length, Offset, and Stem Alignment on Patient Outcomes after Total Hip Arthroplasty
 *Lauren Pitz, B.S. Indianapolis, IN
 Braeden W. Estes, B.S. Indianapolis, IN
 Evan R. Deckard, B.S.E. Indianapolis, IN
 R. Michael Meneghini, M.D. Indianapolis, IN
135. Are Current DRG-Based Bundled Payment Models for Revision Total Joint Arthroplasty (TJA) Risk-Adjusting Adequately? - An Analysis of Medicare Beneficiaries
 *Azeem T. Malik, M.B.B.S. Columbus, OH
 Mengnai Li, M.D. Columbus, OH
 Safdar N. Khan, M.D. Columbus, OH
 John H. Alexander, M.D. Columbus, OH
 Daniel Li, M.D. Columbus, OH
 Thomas J. Scharschmidt, M.D. Columbus, OH

136. International Organism Profile of Periprosthetic Total Hip and Knee Infections
 *Jesus M. Villa, M.D. Weston, FL
 Tejbir S. Pannu, M.D., M.S. Weston, FL
 Ibrahim Theeb, M.D. Berlin, Germany
 Martin Buttaró, M.D. Buenos Aires, Argentina
 Jose I. Oñativia, M.D. Buenos Aires, Argentina
 Lisandro Carbo, M.D. Buenos Aires, Argentina
 Daniel Rienzi, M.D. Montevideo, Uruguay
 Joseph Fregeiro, M.D. Montevideo, Uruguay
 Nikolai Kornilov, M.D. St. Petersburg, Russia
 Svetlana Bozhkova, M.D. St. Petersburg, Russia
 Nemandra A. Sandiford, M.D. Invercargill, New Zealand
 Carlos A. Higuera, M.D. Weston, FL
 Daniel Kendoff, M.D. Berlin, Germany

Poster Position #137 deleted

138. Artificial Intelligence with Demographic Data Accurately Predicts Total Joint Component Sizes
 *Michael P. Murphy, M.D. Maywood, IL
 Amir Boubekri, M.D. Maywood, IL
 Steven J. Ralles, M.D. Maywood, IL
 Ryan LeDuc, M.D. Maywood, IL
 Sara Winfrey, B.S. Maywood, IL
 Nicholas M. Brown, M.D. Maywood, IL

Knee (14 posters)

139. What is the Impact of Body Mass Index Cutoffs on Total Knee Arthroplasty Complications?
 David E. DeMik, M.D., PharmD Iowa City, IA
 Christopher N. Carender, M.D. Iowa City, IA
 Nathalie A. Glass, Ph.D. Iowa City, IA
 Timothy S. Brown, M.D. Houston, TX
 *Nicholas A. Bedard, M.D. Iowa City, IA
140. What are the Costs of Unicompartmental Knee Arthroplasty Compared to Total Knee Arthroplasty Over 10 Years?
 *Robert A. Burnett, M.D. Chicago, IL
 JaeWon Yang, B.A. Chicago, IL
 Paul Maxwell Courtney, M.D. Philadelphia, PA
 E. Bailey Terhune, M.D. Chicago, IL
 Charles P. Hannon, M.D. Chicago, IL
 Craig J. Della Valle, M.D. Chicago, IL

141. Psychometric Analysis of Patient-Reported Outcomes Measures in Patients Undergoing Medial Patellofemoral Ligament Reconstruction
 Hailey P. Huddleston, B.S. Chicago, IL
 Justin Walsh, B.S. Chicago, IL
 Nabil Mehta, M.D. Chicago, IL
 Michael C. Fu, M.D. Chicago, IL
 Matthew R. Cohn, M.D. Chicago, IL
 Brian Forsythe, M.D. Chicago, IL
 Nikhil N. Verma, M.D. Chicago, IL
 Brian J. Cole, M.D., M.B.A. Chicago, IL
 Adam B. Yanke, M.D., Ph.D. Chicago, IL
 *E. Bailey Terhune, M.D. Chicago, IL
142. Effects of Preoperative Carbohydrate-Rich Drinks on Immediate Postoperative Outcome in Total Knee Arthroplasty
 *Jonathan Shaw, M.D. Detroit, MI
 Allen Kadado, M.D. Detroit, MI
 Kamil Bober, M.D. Detroit, MI
 Ayooluwa S. Ayoola, B.S. Detroit, MI
 Ose Akioyamen, B.S. Detroit, MI
 W. Trevor North, M.D. Detroit, MI
 Michael A. Charters, M.D. Detroit, MI
143. Utility and Prognostic Ability of a Diagnostic Injection Prior to Revision Total Knee Arthroplasty
 *Kevin A. Sonn, M.D. Indianapolis, IN
 Evan R. Deckard, B.S.E. Indianapolis, IN
 Abdul Aasar, M.D. Indianapolis, IN
 Lily Wolf, M.S. Indianapolis, IN
 R. Michael Meneghini, M.D. Indianapolis, IN
144. Early Osseointegration of a Modern 3D-Printed Highly Porous Patella Component Used in Cementless TKA
 Ruben Prado, B.A. Indianapolis, IN
 *Evan R. Deckard, B.S.E. Indianapolis, IN
 R. Michael Meneghini, M.D. Indianapolis, IN

Poster Position #145 deleted

146. Incidence of Leg Length Discrepancy Following Index Hinge Total Knee Arthroplasty
 *Joshua R. Labott, M.D. Rochester, MN
 Christopher N. Warne, M.D. Rochester, MN
 Cody C. Wyles, M.D. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN

147. Good Short-Term Outcomes Using a Cementless Rotating Platform (RP) TKA: Interim Clinical and Radiographic Data from a Multi-Center, International Study
 Stephen Kantor, M.D. Lebanon, NH
 *George W. Brindley, M.D. Lubbock, TX
 Mark Hollmann, M.D. Deland, FL
 Gary Hooper, M.D. Christchurch, New Zealand
 Norbert Freund, M.D. Innkreis, Austria
 Caroline Tabor, Ph.D. Leeds, UK
 James Lesko Warsaw, IN
 Veronna Huey, M.S., B.S.N., CCRP Warsaw, IN
 Sue Kemp, BSc, Ph.D. Leeds, UK
148. Instability after TKA Revision - A Greater Challenge Than the Unstable Primary TKA
 *Jason Tegethoff, M.D. Columbia, MO
 Rafael Walker-Santiago, M.D. Columbia, MO
 William Ralston, D.O. Columbia, MO
 James A. Keeney, M.D. Columbia, MO
149. Total Joint Arthroplasty in Free-Standing Ambulatory Surgical Centers vs. Hospital-Owned Outpatient Departments - An Analysis of 90-Day Complications and Costs
 *Azeem T. Malik, M.B.B.S. Columbus, OH
 Adam M. Gordon, B.S. Columbus, OH
 Daniel Li, M.D. Columbus, OH
 Mengnai Li, M.D., Ph.D. Columbus, OH
 Ryan T. Voskuil, M.D. Columbus, OH
 Safdar N. Khan, M.D. Columbus, OH
 Thomas J. Scharschmidt, M.D. Columbus, OH
150. Effective Pain Management with the Use of an Innovative, Replaceable, Synthetic Medial Meniscus Implant: Findings from Two Clinical Trials and Case Study Observations
 Christopher C. Kaeding, M.D. Columbus, OH
 Wayne K. Gersoff, M.D. Denver, CO
 Joseph M. Berman, M.D. Arlington, TX
 Richard H. Alfred, M.D. Albany, NY
 R. Maxwell Alley, M.D. Albany, NY
 Thomas Giel, M.D. Memphis, TN
 Brian P. McKeon, M.D. Waltham, MA
 Elliott B. Hershman, M.D. New York, NY
 Kenneth R. Zaslav, M.D. Richmond, VA
 *David C. Flanigan, M.D. Columbus, OH
151. Medial Proximal Tibial Resection is Superior to Soft Tissue Releases During Total Knee Arthroplasty: A Minimum 3.5 Year Follow-Up Study
 Rushabh M. Vakharia, M.D. Brooklyn, NY
 Justin Toma, M.D. Fort Lauderdale, FL
 Martin W. Roche, M.D. Fort Lauderdale, FL
 *Jordan Pasternack, M.D. Brooklyn, NY

152. Predictors of Success with Chronic Antibiotic Suppression for Prosthetic Joint Infections

*Rebecca G. Burr, M.D.	Maywood, IL
Carlo Eikani, B.S.	Maywood, IL
Andrew Schneider, M.D.	Maywood, IL
Adam Holzmeister, M.D.	Maywood, IL
William Hopkinson, M.D.	Maywood, IL
Nicholas M. Brown, M.D.	Maywood, IL

153. Intra-Articular Knee Injuries in Extensor Mechanism Ruptures Requiring Additional Surgery

*Elizabeth H. G. Turner, M.D.	Madison, WI
Craig C. Akoh, M.D.	Durham, NC
B. Keegan Markhardt, M.D.	Madison, WI
Scott J. Hetzel, M.S.	Madison, WI
Andrea M. Spiker, M.D.	Madison, WI

Mixed Topics (6 posters)

154. Levels of Evidence Backing the AAOS Clinical Practice Guidelines

*Arjun Reddy, B.S.	Tulsa, OK
Jared Scott, D.O.	Tulsa, OK
Jake Checketts, D.O.	Jenks, OK
Kevin Middlemist, D.O.	Tulsa, OK
Keith Fishbeck, D.O.	Tulsa, OK
Matt Vassar, Ph.D.	Tulsa, OK

155. A Novel Non-Invasive Method for Predicting Bone Mineral Density: A Field Screening Tool for Approximating Fracture Risk

*Bradley S. Lambert, Ph.D.	Houston, TX
Steven E. Martin, Ph.D.	Houston, TX
Joshua R. Daum, B.S.	Houston, TX
Katharine D. Harper, M.D.	Washington, DC
Stephen J. Incavo, M.D.	Houston, TX
Patrick C. McCulloch, M.D.	Houston, TX

156. Erythromycin-Loaded Polymeric Dicalcium Phosphate Dehydrate (P-DCPD) Bone Cement For The Treatment of Orthopedic Infection

David C. Markel, M.D.	Southfield, MI
Tong Shi	Detroit, MI
Angelica Guardia, M.S.	Detroit, MI
Paula Dietz, M.S.	Southfield, MI
Bin Wu, M.D.	Southfield, MI
Weiping Ren, M.D., Ph.D.	Detroit, MI
*Brendan Comer, M.D.	Southfield, MI

157. Fibroblast and Tenocyte Attachment and Viability Vary Based on Pore Size within a Printed Porous Ti in a Bioreactor Setting
David C. Markel, M.D. Southfield, MI
Paula Dietz, M.S. Southfield, MI
*Brendan Comer, M.D. Southfield, MI
Weiping Ren, M.D., Ph.D. Detroit, MI
158. COVID-19 Impact on Total Joint Arthroplasty Patient Satisfaction Following Changes to Surgical Date
W. Trevor North, M.D. Detroit, MI
Michael A. Charters, M.D. Detroit, MI
Timothy E. Ekpo, D.O. Detroit, MI
Eddie El-Yussif, D.O. Detroit, MI
Kenneth Scott, D.O. Detroit, MI
*Ayooluwa Ayoola, B.S. Detroit, MI
Luke D. Wesemann, B.S. Detroit, MI
159. Factors That Influence Online Patients' Recommendations of Orthopedic Surgeons
*Bishoy M. Ezzat, B.A. Newark, NJ
Gabriel Hanna, B.S. Newark, NJ
Justin Luis, B.A. Newark, NJ
Ashok Para, M.D. Newark, NJ
Bria D. Batko, M.D. Newark, NJ
Folorunsho Edobor-Osula, M.D. Newark, NJ

Sports (15 posters)

160. Wearable Sensor Technology Does Not Predict Adaptations to the Pitching Elbow: A Dynamic Ultrasound Study
*Lafi S. Khalil, M.D. Detroit, MI
Muhammad J. Abbas, B.S. Detroit, MI
Chad Klochko, M.D. Detroit, MI
Marnix Van Holsbeeck, M.D. Detroit, MI
Eric C. Makhni, M.D., M.B.A. Detroit, MI
Vasilios Moutzouros, M.D. Detroit, MI
Kelechi R. Okoroha, M.D. Detroit, MI

Poster Position #161 deleted

162. A Strategy for Repair, Augmentation, and Reconstruction of the Extensor Mechanism
 *Courtney R. Carlson Strother, M.D. Rochester, MN
 Matthew D. LaPrade, B.S. Rochester, MN
 Lucas K. Keyt, B.S. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Michael J. Stuart, M.D. Rochester, MN
163. Meniscus Injuries in Professional Baseball Players: Analysis of Injury Patterns, Current Treatment Strategies, and Outcomes
 *Bradley M. Kruckeberg, M.D. Rochester, MN
 Aaron J. Krych, M.D. Rochester, MN
 Corey A. Wulf, M.D. Edina, MN
 Michael L. Knudsen, M.D. Minneapolis, MN
 Michael Salazar, ATC Minneapolis, MN
 Diane L. Dahm, M.D. Rochester, MN
 John Steubs, M.D. Bloomington, MN
 Bryant M. Song, B.A. Rochester, MN
 Ryan R. Wilbur, B.A. Rochester, MN
 Christopher L. Camp, M.D. Rochester, MN
164. Variations in Pitching Kinematics and Reproducibility of Wearable Elbow Sensor Technology Measurements
 *Muhammad J. Abbas, B.S. Detroit, MI
 Lafi S. Khalil, M.D. Detroit, MI
 Austin Cross, B.S. San Antonio, TX
 Luke Hessburg Grosse Pointe, MI
 Eric Guo, B.S. Detroit, MI
 Eric Makhni, M.D., M.B.A. Detroit, MI
165. Quicker Recovery and Improved Performance Among Professional Athletes Treated Nonoperatively after Initial Patellar Instability Injury
 Lafi S. Khalil, M.D. Detroit, MI
 *Chrystina L. James, M.D. Detroit, MI
 Muhammad J. Abbas, B.S. Detroit, MI
 Talal Bazzi, B.S. Detroit, MI
 Gauthier Dongmo, B.S. Detroit, MI
 Nicholas Cominos, B.S. Detroit, MI
 Kelechi R. Okoroha, M.D. Detroit, MI
166. ACL Surgery: Can Patients Read, Understand, and Act on Online Resources?
 Burke Gao, M.D. Iowa City, IA
 Alan G. Shamrock, M.D. Iowa City, IA
 *Trevor R. Gulbrandsen, M.D. Iowa City, IA
 Olivia O'Reilly, M.D. Iowa City, IA
 Kyle R. Duchman, M.D. Iowa City, IA
 Brian R. Wolf, M.D., M.S. Iowa City, IA

167. Investigating the Chronology of Meniscus Root Tears: Do Medial Meniscus Posterior Root Tears Cause Extrusion or the Other Way Around?

Matthew D. LaPrade, B.S.	Rochester, MN
Aaron J. Krych, M.D.	Rochester, MN
Mario Hevesi, M.D., Ph.D.	Rochester, MN
*Bryant M. Song, M.S.	Rochester, MN
Ryan R. Wilbur, B.A.	Rochester, MN
Nicholas G. Rhodes, M.D.	Rochester, MN
Adam C. Johnson, M.D.	Rochester, MN
Christopher L. Camp, M.D.	Rochester, MN
Michael J. Stuart, M.D.	Rochester, MN

168. Body Mass Index and Preoperative Pain as Predictors of Patient Outcomes Following Abbreviated Rehabilitation after ACL Reconstruction

*Martin Jacob Weaver, B.S.	Warren, MI
Vincent Bruno, B.S.	Detroit, MI
Muhuammad T. Padela, M.D., MSc	Detroit, MI
Nicholas Bolz, M.D.	Detroit, MI
Brett Chamernik, M.D.	Detroit, MI
Chaoyong Chen, Ph.D.	Detroit, MI
Henry T. Goitz, M.D.	Warren, MI

169. Defining Return to Sport: A Systematic Review

Joshua O. Doege, M.S.	New Orleans, LA
*Jack M. Ayres, B.S.	Overland Park, KS
Matthew J. Mackay, M.D.	Overland Park, KS
Armin Tarakemeh, B.S.	Overland Park, KS
Symone Brown, B.S.	New Orleans, LA
Bryan G. Vopat, M.D.	Overland Park, KS
Mary K. Mulcahey, M.D.	New Orleans, LA

Poster Position #170 deleted

171. Subsequent Surgery after Anterior Cruciate Ligament Reconstruction Utilizing Autologous Hamstrings and Biologic Augmentation

*Paul R. Fleissner, Jr., M.D.	Akron, OH
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172. Failure Risk and Patient Reported Outcomes Following an MPFL Reconstruction Using a Peroneus Longus Allograft

Joseph M. Long, B.S.	Columbus, OH
Brian Flores, B.S.	Columbus, OH
Nicholas Pappa, B.S.	Columbus, OH
Alex C. DiBartola, M.D., M.P.H.	Columbus, OH
Robert Duerr, M.D.	Columbus, OH
Christopher C. Kaeding, M.D.	Columbus, OH
*David C. Flanigan, M.D.	Columbus, OH
Robert Magnussen, M.D., M.P.H.	Columbus, OH
Brian Fowler	Columbus, OH

173. Concussion in National Football League Athletes is Not Associated with Increased Risk of Lower Extremity Musculoskeletal Injury in a 90-Day Return to Play Period
- | | |
|--------------------------|-------------|
| Toufic R. Jildeh, M.D. | Detroit, MI |
| *Fabien Meta, M.D. | Detroit, MI |
| Vincent Lizzio, M.D. | Detroit, MI |
| Brendan Page, B.S. | Detroit, MI |
| Jacob Young, B.S. | Detroit, MI |
| Kelechi R. Okoroha, M.D. | Detroit, MI |
174. How Does Statewide Opioid Prescribing Policy Affect Orthopedic Sports Surgeons?
- | | |
|-----------------------------|------------|
| *Joseph D. Henningsen, M.D. | Dayton, OH |
| Scott W. Huff, M.D. | Dayton, OH |
| Fady Y. Hijji, M.D. | Dayton, OH |
| Andrew D. Schneider, M.D. | Dayton, OH |
| Casey S. Whale, M.D. | Dayton, OH |
| Andrew W. Froehle, Ph.D. | Dayton, OH |
| Anil Krishnamurthy, M.D. | Dayton, OH |
175. Changes in Major League Baseball Pitchers' Statistics Following Shoulder Injury
- | | |
|-----------------------------|-------------|
| Adam Miller, B.S. | Chicago, IL |
| Benjamin C. Mayo, M.D. | Chicago, IL |
| *Michael J. Patetta, M.D. | Chicago, IL |
| Garrett R. Schwarzman, M.D. | Chicago, IL |
| Erwin Secretov, M.D. | Chicago, IL |
| Marshall Haden, M.D. | Chicago, IL |
| Mark R. Hutchinson, M.D. | Chicago, IL |
176. PROMIS Depression Psychometrically Underperforms and is Poorly Associated with Postoperative Functional Outcomes Compared to Legacy Measures in Shoulder Arthroplasty Patients
- | | |
|-----------------------------|-------------|
| Hailey P. Huddleston, B.S. | Chicago, IL |
| Ophelie Lavoie-Gagne, B.S. | Chicago, IL |
| Bhargavi Maheshwer, B.S. | Chicago, IL |
| Nabil Mehta, M.D. | Chicago, IL |
| Michael C. Fu, M.D. | Chicago, IL |
| Brian J. Cole, M.D., M.B.A. | Chicago, IL |
| Nikhil N. Verma, M.D. | Chicago, IL |
| Brian Forsythe, M.D. | Chicago, IL |
| Adam B. Yanke, M.D., Ph.D. | Chicago, IL |
| *E. Bailey Terhune, M.D. | Chicago, IL |

Shoulder (11 posters)

177. Onlay vs. Inlay Reverse Total Shoulder Arthroplasty: A Retrospective Comparison of Radiographic and Clinical Outcomes
Teja S. Polisetty, B.S. Fort Lauderdale, FL
Aaron M. Baessler, M.D. Indianapolis, IN
Jonathan C. Levy, M.D. Fort Lauderdale, FL
*Andrew Ardeljan, B.S. Fort Lauderdale, FL
Brian L. Badman, M.D. Avon, IN
178. Utility of the Outpatient Arthroplasty Risk Assessment Tool in Identifying Patients for Safe Same-Day Discharge after Primary Shoulder Arthroplasty
Teja S. Polisetty, B.S. Fort Lauderdale, FL
Hans Drawbert, B.S. Miami, FL
*Andrew Ardeljan, B.S. Fort Lauderdale, FL
Ryan Colley, D.O. Fort Lauderdale, FL
Jonathan C. Levy, M.D. Fort Lauderdale, FL
179. The Impact of Healing after Lesser Tuberosity Osteotomy and Medial Calcar Resorption in Total Shoulder Arthroplasty on Outcomes
Teja S. Polisetty, B.S. Fort Lauderdale, FL
Paul Devito, D.O. Fort Lauderdale, FL
Derek Berglund, M.D. Fort Lauderdale, FL
Gagan Grewal, M.D. Fort Lauderdale, FL
Hyrum Judd, D.O. Miami, FL
Rushabh Vakharia, M.D. Fort Lauderdale, FL
Andrew Malarkey, D.O. Fort Lauderdale, FL
Emmanuel McNeely, M.S., M.H.A. Fort Lauderdale, FL
Molly Moor, M.S. Fort Lauderdale, FL
Scott Polansky, D.O. Fort Lauderdale, FL
Jonathan C. Levy, M.D. Fort Lauderdale, FL
*Hugo C. Rodriguez, Jr., D.O. Fort Lauderdale, FL
180. Short-Term Outcomes of Superior Capsular Reconstruction for the Treatment of Massive Irreparable Rotator Cuff Tears
*Marisa N. Ulrich, B.S. Columbus, OH
Travis L. Frantz, M.D. Columbus, OH
Joshua Everhart, M.D., M.P.H. Columbus, OH
Andrew Mundy, M.D. Columbus, OH
Jonathan D. Barlow, M.D. Rochester, MN
Andrew S. Neviasser, M.D. Columbus, OH
Grant L. Jones, M.D. Columbus, OH
Julie Y. Bishop, M.D. Columbus, OH
Gregory L. Cvetanovich, M.D. Columbus, OH

181. Allograft Prosthetic Composite Reconstruction Using a Reverse Total Shoulder Arthroplasty for Failed Oncologic Proximal Humerus Reconstructions
*Katherine Mallett, M.D. Rochester, MN
Adam J. Tagliero, M.D. Rochester, MN
Nicholas I. Kennedy, M.D. Rochester, MN
Peter S. Rose, M.D. Rochester, MN
Bassem T. Elhassan, M.D. Rochester, MN
Jonathan D. Barlow, M.D. Rochester, MN
Eric R. Wagner, M.D. Atlanta, GA
Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
182. Mid-Term Outcomes Comparison of Reverse Shoulder Arthroplasty Using the Alternate Center Line for Glenoid Baseplate Fixation: A Case Controlled Study
Ryan Colley, D.O. Fort Lauderdale, FL
Teja S. Polisetty, B.S. Fort Lauderdale, FL
Gagan Grewal, M.D. Fort Lauderdale, FL
Jonathan C. Levy, M.D. Fort Lauderdale, FL
*Hugo C. Rodriguez, Jr., M.D. Fort Lauderdale, FL
183. Accuracy of the International Consensus Scoring System for Diagnosis of Shoulder Arthroplasty Periprosthetic Joint Infection
*Seth R. Cope, M.D. Memphis, TN
Tyler J. Brolin, M.D. Memphis, TN
David L. Bernholt, M.D. Memphis, TN
Frederick M. Azar, M.D. Memphis, TN
Thomas W. Throckmorton, M.D. Memphis, TN
184. Comparison of Patient Demographics and Patient-Related Risk Factors for Dislocations Following Reverse Shoulder Arthroplasty
Samuel J. Swiggett, M.D. Brooklyn, NY
Eric Roth, M.D. Brooklyn, NY
Rushabh M. Vakharia, M.D. Brooklyn, NY
Joseph O. Ehiorobo, M.D. Brooklyn, NY
Michael A. Mont, M.D. New York, NY
Ramin Sadeghpour, M.D. Brooklyn, NY
Jack Choueka, M.D. Brooklyn, NY
*Jordan Pasternack, M.D. Brooklyn, NY

185. Efficacy of a Single Image-Guided Corticosteroid Injection for Glenohumeral Arthritis
 *Cameron M. Metzger, M.D. Indianapolis, IN
 Hassan Farooq, B.S. Indianapolis, IN
 Gregory A. Merrell, M.D. Indianapolis, IN
 F. Thomas D. Kaplan, M.D. Indianapolis, IN
 Jeffrey A. Greenberg, M.D. Indianapolis, IN
 Nicholas E. Crosby, M.D. Indianapolis, IN
 Kathryn M. Peck, M.D. Indianapolis, IN
 Reed W. Hoyer, M.D. Indianapolis, IN
186. GRIT Score is Predictive of Pain and Opioid Requirements Following Arthroscopic Rotator Cuff Repair
 *Anthony J. Marois, M.D. Memphis, TN
 Adam Achecar South Bend, IN
 Frederick M. Azar, M.D. Memphis, TN
 David L. Bernholt, M.D. Memphis, TN
 Tyler J. Brolin, M.D. Memphis, TN
 Thomas W. Throckmorton, M.D. Memphis, TN
187. Optimal Treatment for Glenoid Bone Loss: Augmented vs. Standard Reverse Shoulder Arthroplasty?
 Vani J. Sabesan, M.D. Weston, FL
 Christian A. Martinez, B.S. Ponce, PR
 Siddharth Kundal, B.S. Richmond, VA
 Kiran Chatha, M.D. Weston, FL
 *Sarah Cole Delray Beach, FL

Trauma (7 posters)

188. Agricultural Trauma Causing Open Fracture Leads to a High Infection Rate
 *Malynda S. Wynn, M.D. Iowa City, IA
 Kyle K. Kesler, M.D. Iowa City, IA
 John Morellato, M.B.B.S. Columbia, MO
 Robert Higginbotham, B.S. Columbia, MO
 Michael Robertson, M.D. Columbia, MO
 J. Lawrence Marsh, M.D. Iowa City, IA
 Matthew Hogue, M.D. Iowa City, IA

Poster Position #189 deleted

Poster Position #190 deleted

191. The Length of Distal Interlocking Screws Can Be Predicted Using Anatomic Landmarks
 Hayden P. Baker, M.D. Chicago, IL
 William Mosenthal, M.D. Chicago, IL
 Daryl B. Dillman, M.D. Chicago, IL
 Jason Strelzow, M.D. Chicago, IL
 *James Dahm, M.D. Chicago, IL

192. Ballistic Femoral Shaft Fractures Associated with Ipsilateral Femoral Neck Fractures

Hayden P. Baker, M.D.	Chicago, IL
*James Dahm, M.D.	Chicago, IL
Kathryn Schultz, B.A.	Chicago, IL
Daniel Portney, M.D.	Chicago, IL
Daryl B. Dillman, M.D.	Chicago, IL
Jason A. Strelzow, M.D.	Chicago, IL

Poster Position #193 deleted

194. Ballistic Supracondylar Distal Femur Fractures have Lower Rates of Intra-Articular Extension than Blunt Supracondylar Distal Femur Fractures

Daniel A. Portney, M.D.	Chicago, IL
*James Dahm, M.D.	Chicago, IL
Manoj P. Reddy, M.D.	Chicago, IL
Hayden P. Baker, M.D.	Chicago, IL
Daryl B. Dillman, M.D.	Chicago, IL
Douglas R. Dirschl, M.D.	Chicago, IL
Jason A. Strelzow, M.D.	Chicago, IL

195. The Anterior Head of Deltoid in Relation to Anterior Clavicle Plating: How Much Are We Releasing?

*Sarah E. Black, M.D.	Kalamazoo, MI
Tyler Snoop, M.D.	Kalamazoo, MI
Jason W. Roberts, M.D.	Kalamazoo, MI
Eric Christianson, M.D.	Kalamazoo, MI

Poster Position #196 deleted

Poster Position #197 deleted

198. Complications and Re-Operation Rates Following Fixation of Femoral Neck Fractures Using the Femoral Neck System. A Preliminary Study

*Jake X. Checketts, D.O.	Jenks, OK
Arjun Reddy, B.S.	Tulsa, OK
Jay Thompson, D.O.	Tulsa, OK
Byron Detweiler, D.O.	Tulsa, OK
Mark Johnson, D.O.	Tulsa, OK
Azad Dadgar, D.O.	Tulsa, OK
Abrar Adil, D.O.	Tulsa, OK
Brent L. Norris, M.D.	Tulsa, OK

199. Are Orthopedic Trauma Fellowships Training Surgeons with Procedures that they Are Actually Performing?
*Justin T. Jabara, M.D. Minneapolis, MN
J. Lawrence Marsh, M.D. Iowa City, IA
Heather A. Vallier, M.D. Cleveland, OH
Mai P. Nguyen, M.D. Minneapolis, MN

Tumor (7 posters)

200. Surgical Treatment of Primary Mobile Spine Chordomas
*Joshua M. Kolz, M.D., M.S. Rochester, MN
Bayard C. Carlson, M.D. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
Peter S. Rose, M.D. Rochester, MN
Elizabeth P. Wellings, M.D., M.E. Rochester, MN
201. Surgical Hip Dislocation: A Versatile and Safe Approach for Diverse Hip Pathologies
*Cory G. Couch, M.D. Rochester, MN
Rafael J. Sierra, M.D. Rochester, MN
202. Long-Term Results of All-Polyethylene Tibial Components in Oncologic Endoprosthetic Reconstruction of the Distal Femur
*Brandon R. Bukowski, M.D. Rochester, MN
Adam J. Tagliero, M.D. Rochester, MN
Mark J. Heidenreich, M.D. Rochester, MN
Joshua D. Johnson, M.D. Rochester, MN
Peter S. Rose, M.D. Rochester, MN
Matthew T. Houdek, M.D. Rochester, MN
203. Accuracy of X-ray and Magnetic Resonance Imaging in Defining the Tumor Margin in Primary Bone Sarcoma
Theodore H. Katz, B.S. Iowa City, IA
Obada H. Hasan, M.D., M.S. Iowa City, IA
*Benjamin J. Miller, M.D., MS. Iowa City, IA
204. Preoperative Sarcopenia is Associated with Local Tumor Recurrence but Not Wound Complications Following Sacral Tumor Resection
Matthew T. Houdek, M.D. Rochester, MN
Elyse J. Brinkmann, M.D. Rochester, MN
Doris E. Wenger, M.D. Rochester, MN
Joshua D. Johnson, M.D. Rochester, MN
Michael J. Yaszemski, M.D., Ph.D. Rochester, MN
Peter S. Rose, M.D. Rochester, MN
*Mark J. Heidenreich, M.D. Rochester, MN

205. A Comparative Analysis of the Outcomes and Survivorship of Proximal Femoral Replacement vs. Internal Fixation Techniques in the Treatment of Metastatic Disease of the Proximal Femur
 Bishir Clayton, M.D. Chicago, IL
 Charles A. Gusho, B.S. Chicago, IL
 *Wassim Hmeidan, B.S. Chicago, IL
 Nabil Mehta, 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
206. Is Local Recurrence in Extremity Sarcoma Just a Local Recurrence, or Does it Impact the Overall Survival; Nested Case Control Study
 Obada Hasan, M.D., M.S. Iowa City, IA
 Momin Nasir, B.S. Iowa City, IA
 Qiang An, M.B.B.S., M.P.H. Iowa City, IA
 *Benjamin J. Miller, M.D., M.S. Iowa City, IA

Pediatrics (10 posters)

207. Postoperative Outcomes in Pediatric Orthopedic Surgery Diabetic Patients
 *Farzam Farahani, B.S.A. Dallas, TX
 Junho Ahn, M.D. Dallas, TX
 Paul Nakonezny, Ph.D. Dallas, TX
 Dane K. Wukich, M.D. Dallas, TX
 Robert L. Wimberly, M.D. Dallas, TX
 Anthony I. Riccio, M.D. Dallas, TX
208. Long Term Outcomes Following Surgical Site Infections in Early Onset Scoliosis Patients: A 15-Year Retrospective Review
 Anne Marie Dumain, M.D. Cleveland, OH
 James Yu, B.S. Cleveland, OH
 Connie Poe-Kochert, C.N.P. Cleveland, OH
 George H. Thompson, M.D. Cleveland, OH
 *R. Justin Mistovich, M.D., M.B.A. Cleveland, OH
209. Obese Children Do Not Have Poorer Patient Reported Outcomes after Supracondylar Humerus Fracture CRPP
 Alex C. DiBartola, M.D., M.P.H. Columbus, OH
 Nikita Thakur, B.S. Columbus, OH
 Satbir Singh, B.S. Columbus, OH
 *Carl Quinion, M.D. Columbus, OH
 Julie B. Samora, M.D., Ph.D., M.P.H. Columbus, OH
210. Trends in the Patient Reported Outcomes Instrument System (PROMIS) Following Intramedullary Fixation of Pediatric Femoral Shaft Fractures
 *R. Scott Runyon, M.D. St. Louis, MO
 Daniel A. Bechtold, M.D. St. Louis, MO
 Lee Rhea, Ph.D. St. Louis, MO
 Brian A. Kelly, M.D. St. Louis, MO

211. The Open Triradiate Cartilage: How Young is Too Young for Total Hip Arthroplasty?
 *Matthew B. Shirley, M.D. Rochester, MN
 William G. Rainer, III, D.O. Rochester, MN
 Robert T. Trousdale, M.D. Rochester, MN
 William J. Shaughnessy, M.D. Rochester, MN
212. Characteristics of Pediatric Septic Joint Infections vs. Subperiosteal Abscesses
 Carlton Fernandes, M.D. Oklahoma City, OK
 Seth Boydston, M.D. Oklahoma City, OK
 Joseph Davey, M.D. Oklahoma City, OK
 Tomas Holy Oklahoma City, OK
 Henry Marsh Oklahoma City, OK
 *Kacy Richburg, M.D. Oklahoma City, OK
213. Influence of Seasonal Variability on Orthopedic Surgical Outcomes in Pediatric Patients: A Review of Surgical Site Infections
 *James S. Lin, M.D. Grandview Heights, OH
 Julie B. Samora, M.D., Ph.D. Columbus, OH
214. Health Literacy in Clubfoot: A Quantitative Assessment of the Understandability and Readability of Online Patient Education Material
 Mary K. Skalitzky, M.D. Iowa City, IA
 *Trevor R. Gulbrandsen, M.D. Iowa City, IA
 Burke Gao, M.D. Iowa City, IA
 Alan G. Shamrock, M.D. Iowa City, IA
 Stuart L. Weinstein, M.D. Iowa City, IA
 Jose A. Morcuende, M.D. Iowa City, IA
215. Lack of In-Brace X-Rays in Compliant AIS Patients Wearing Full-Time TLSO Braces Associates with Failure
 *Amy L. McIntosh, M.D. Dallas, TX
 Kiley Poppino, B.S. Dallas, TX
 Isabel Alvarez, B.S. Dallas, TX
 Lori A. Karol, M.D. Dallas, TX
216. Acute Compartment Syndrome in Pediatric Patients: A Case Series
 *James S. Lin, M.D. Grandview Heights, OH
 Walter P. Samora, M.D. Columbus, OH
 Julie B. Samora, M.D., Ph.D. Columbus, OH

Hand (3 posters)

Poster Position #217 deleted

Poster Position #218 deleted

Poster Position #219 deleted

220. Comparing Accuracy of Wrist Intra-Articular Needle Placement via Ulnocarpal Approach by Training Level: A Cadaveric Study

Sierra Phillips, M.D.	Birmingham, AL
Megan Lameka, M.D.	Birmingham, AL
Aaradhana Jha, M.D.	Birmingham, AL
Christopher Beaumont, M.D.	Birmingham, AL
Haley McKissack, M.D.	Birmingham, AL
Nileshkumar Chaudhari, M.D.	Birmingham, AL
James Rush Jones, B.S.	Birmingham, AL
Jared R. Halstrom, B.S.	Birmingham, AL
Nicholas A. Andrews, B.S.	Birmingham, AL
Ashish Shah, M.D.	Birmingham, AL
*Zachary L. Littlefield	Birmingham, AL

221. Incidence and Trends of Hand and Upper Extremity Injuries Presenting to United States Emergency Departments: A 10-Year National Database Analysis

*Adam M. Gordon, B.S.	Columbus, OH
Azeem T. Malik, M.B.B.S.	Columbus, OH
Kanu S. Goyal, M.D.	Columbus, OH

222. Declining Trend in Anti-Osteoporotic Treatment Despite a Rise in DEXA Screening Following "Sentinel" Distal Radius Fractures

Azeem T. Malik, M.B.B.S.	Columbus, OH
*Adam M. Gordon, B.S.	Columbus, OH
Hisham Awan, M.D.	Columbus, OH
Safdar Khan, M.D.	Columbus, OH
Kanu S. Goyal, M.D.	Columbus, OH

Spine (10 posters)

223. Major Depressive Disorders Increase Complications, Lengths of Stay, Readmissions, and Cost Following Lumbar Fusion

Rushabh M. Vakharia, M.D.	Ft. Lauderdale, FL
Joseph O. Ehiorobo, M.D.	New York, NY
Hiba Anis, M.D.	Cleveland, OH
Nipun Sodhi, M.D.	New York, NY
Michael W. Roche, M.D.	Ft. Lauderdale, FL
Michael A. Mont, M.D.	New York, NY
Afshin E. Razi, M.D.	Brooklyn, NY
*Jordan Pasternack, M.D.	Brooklyn, NY

224. Cervical Alignment and Distal Junctional Failure in Posterior Cervical Fusion: A Multicenter Comparison of Two Surgical Approaches
 Zachariah W. Pinter, M.D. Rochester, MN
 *Ryder Reed, M.D. Rochester, MN
 Jad Bou Monsef, M.D. Rochester, MN
 Ashley E. Xiong, B. S. Rochester, MN
 Daniel Bowles, M.D. Rochester, MN
 Alexander Vaccaro, M.D. Philadelphia, PA
 Bradford L. Currier, M.D. Rochester, MN
 Brett A. Freedman, M.D. Rochester, MN
 Benjamin Elder, M.D., Ph.D. Rochester, MN
 Gregory Schroeder, M.D. Philadelphia, PA
 Arjun S. Sebastian, M.D. Rochester, MN
225. Postoperative SVA >4 cm has No Impact on Neck Pain Scores after C2-T2 Fusion for Myelopathy: Results from a Multi-Center Cohort Study
 Zachariah W. Pinter, M.D. Rochester, MN
 *Ryder Reed, M.D. Rochester, MN
 Jad Bou Monsef, M.D. Rochester, MN
 Ashley E. Xiong, B. S. Rochester, MN
 Joshua Kolz, M.D. Rochester, MN
 Bradford L. Currier, M.D. Rochester, MN
 Brett A. Freedman, M.D. Rochester, MN
 Benjamin Elder, M.D., Ph.D. Rochester, MN
 Gregory Schroder, M.D. Philadelphia, PA
 Alexander Vaccaro, M.D. Philadelphia, PA
 Arjun S. Sebastian, M.D. Rochester, MN
226. Comparative Analysis of Adolescent Idiopathic Scoliosis Treated Surgically with High Implant Density Pedicle Screws vs. Hybrid Sublaminar Band Technique
 Christopher Battista, M.D. Dayton, OH
 Michael Venezia, M.D. Dayton, OH
 Andrew Steffensmeier, M.D. Dayton, OH
 Andrew Froehle, Ph.D. Dayton, OH
 Michael Wilson, B.S. Dayton, OH
 Michael C. Albert, M.D. Dayton, OH
 *Joshua Perrin Dayton, OH
227. Does Preoperative Bone Mineral Density Impact Fusion Success in Anterior Cervical Spine Surgery? A Prospective Cohort Study
 Zachariah W. Pinter, M.D. Rochester, MN
 Breydan Wright, M.D. Rochester, MN
 Jad Bou Monsef, M.D. Rochester, MN
 Arjun S. Sebastian, M.D. Rochester, MN
 Brett A. Freedman, M.D. Rochester, MN
 Bradford L. Currier, M.D. Rochester, MN
 Benjamin Elder, M.D., Ph.D. Rochester, MN
 Ahmad Nassr, M.D. Rochester, MN
 *Ryder Reed, M.D. Rochester, MN

228. Cervical Paraspinal Muscle Fatty Degeneration Does Not Relate to Muscle Cross Sectional Area: Qualitative Assessment Preferable for Cervical Sarcopenia
 Zachariah W. Pinter, M.D. Rochester, MN
 Breydan Wright, M.D. Rochester, MN
 Scott Wagner, M.D. Bethesda, MD
 Donald Fredericks, Jr., M.D. Bethesda, MD
 Ashley E. Xiong, B. S. Rochester, MN
 Melvin Helgeson, M.D. Bethesda, MD
 Brett A. Freedman, M.D. Rochester, MN
 Benjamin Elder, M.D., Ph.D. Rochester, MN
 Mohamad Bydon, M.D. Rochester, MN
 Ahmad Nassr, M.D. Rochester, MN
 Arjun S. Sebastian, M.D. Rochester, MN
 *Ryder Reed, M.D. Rochester, MN
229. Does Immediate Postoperative Opioid Consumption Correlate with Long-Term Outcomes in Patients Undergoing One and Two Level Instrumented Posterior Lumbar Fusions?
 Emmett J. Gannon, M.D. Omaha, NE
 *Sydney L. Powers Omaha, NE
 Evan P. Larson, M.D. Omaha, NE
 Scott A. Vincent, M.D. Omaha, NE
 Chris A. Cornett, M.D. Omaha, NE
 Elizabeth Lyden, M.S. Omaha, NE

Poster Position #230 deleted

231. Physical Therapy on Postoperative Day Zero Following Lumbar Spine Surgery Decreases Length of Stay
 Blaine T. Manning, M.D. Columbia, MO
 Suryanshi Rawat, B.S. Columbia, MO
 Casey A. Fogarty, B.S. Columbia, MO
 Stefan J. Hanish, B.S. Columbia, MO
 Andy S. Lee, B.S. Columbia, MO
 Ahdarsh R. Vallabhaneni, B.S. Columbia, MO
 Nathan J. Cherian, B.S. Columbia, MO
 Muhammad Z. Mirza, M.D. Columbia, MO
 Theodore J. Choma, M.D. Columbia, MO
 Don K. Moore, M.D. Columbia, MO
 *Robert T. Ellis, M.D. Columbia, MO
232. Hospital Mark-Up and Outcomes Following Lumbar Fusions - Moving Towards the Era of Transparency in Prices
 *Azeem T. Malik, M.B.B.S. Columbus, OH
 Joseph P. Drain, M.D. Columbus, OH
 Jeffery Kim, M.D. Columbus, OH
 Safdar N. Khan, M.D. Columbus, OH
 Elizabeth Yu, M.D. Columbus, OH

233. Anticoagulation in Elective Spine Cases: Rates of Hematomas vs. Thromboembolic Disease
*Dharani Rohit Thota, B.A. Dallas, TX
Paul A. Nakonezny, Ph.D. Dallas, TX
Michael Van Hal, M.D. Dallas, TX

Foot and Ankle (6 posters)

234. The Isolated Fibula Fracture: Should Gravity Stress Radiographs be the Gold Standard for Determining Ankle Stability? Successful Outcomes with Nonoperative, Weight-Bearing Despite Stress Positive Radiographs
Phillip Thomas, M.D. Omaha, NE
Leonid Grossman, M.D. Denver, CO
Justin C. Siebler, M.D. Omaha, NE
Sara M. Putnam, M.D. Omaha, NE
Elizabeth Lyden, M.S. Omaha, NE
*Matthew A. Mormino, M.D. Omaha, NE
235. Transcuneiform Screw Fixation in Ligamentous Lisfranc Injuries
*Philip J. Shaheen, M.D. St. Louis, MO
Benjamin Crawford, B.S. St. Louis, MO
Schwetang Patel, M.S. St. Louis, MO
Nathan Kopydlowski, M.D. St. Louis, MO
J. Gary Bledsoe, Ph.D. St. Louis, MO
Scott G. Kaar, M.D. St. Louis, MO
David E. Karges, D.O. St. Louis, MO

Poster Position #236 deleted

237. Risk Factors for Surgical Site Infections Following Open Reduction and Internal Fixation for Isolated Lateral Malleolar Ankle Fractures
Nicholas Richardson, M.D. Brooklyn, NY
*Jordan Pasternack, M.D. Brooklyn, NY
Samuel J. Swiggett, M.D. Brooklyn, NY
Rushabh M. Vakharia, M.D. Brooklyn, NY
Jack Choueka, M.D. Brooklyn, NY
Afshin E. Razi, M.D. Brooklyn, NY
Michael A. Mont, M.D. New York, NY
Kevin Kang, M.D. Brooklyn, NY
Amr Abdelgawad Brooklyn, NY
238. Risk Factors for Nonunion in Arthroscopic and Open Ankle Arthrodesis
William Davis, M.D. Birmingham, AL
Bradley Alexander, B.S. Birmingham, AL
Benjamin Cage, B.S. Birmingham, AL
Elise Greco, B.S. Birmingham, AL
Charlie Sutherland, B.S. Birmingham, AL
Jessyca Ray, B.S. Birmingham, AL
*Nicholas A. Andrews, B.S. Birmingham, AL
Ashish Shah, M.D. Birmingham, AL

239. Posterior and Middle Facets of the Subtalar Joint: The Retrospective Search for an Early Sign of Peritalar Subluxation and Progressive Flatfoot Deformity

*Elijah C. Auch, B.S.	Iowa City, IA
Nacime Mansur, M.D., Ph.D.	São Paulo, Brazil
Shuyuan Li, M.D., Ph.D.	Iowa City, IA
Kevin Dibbern, Ph.D.	Iowa City, IA
John E. Femino, M.D.	Iowa City, IA
Daniel Baumfeld, M.D., Ph.D.	Belo Horizonte, Brazil
Cesar de Cesar Netto, M.D., Ph.D.	Iowa City, IA
Thiago A. Alves, Ph.D.	Belo Horizonte, Brazil

240. Percutaneous Distal Metatarsal Mini-Invasive Osteotomy: Comparison Between Standard vs. Modified Intraosseous Approach - A Cadaveric Study

*Elijah C. Auch, B.S.	Iowa City, IA
Fernando S. Martins, M.D.	São Paulo, Brazil
Victoria Vivtcharenko, B.S.	Iowa City, IA
Eli Schmidt, B.S.	Iowa City, IA
Shuyuan Li, M.D., Ph.D.	Iowa City, IA
Alexandre L. Godoy-Santos, M.D., Ph.D.	São Paulo, Brazil
John E. Femino, M.D.	Iowa City, IA
Cesar de Cesar Netto, M.D., Ph.D.	Iowa City, IA