

# MID-AMERICA ORTHOPAEDIC ASSOCIATION

## Poster Presentations – 2022 Annual Meeting

- Posters will be located in the San Antonio Ballroom Foyer of the La Cantera Resort
- Presenters will be available for discussion and questions at the following times. CME credit is given for poster viewing at these times only:
  - Posters 1 – 63 Thursday, April 7, 2022, 10:30-11:00 a.m.
  - Posters 64 – 120 Friday, April 8, 2022, 10:30-11:00 a.m.

### HIP (19 posters)

- 1. Spinal Anesthesia vs. General Anesthesia in Contemporary Revision Total Hip Arthroplasties**

*Aaron R. Owen, M.D.	Rochester, MN
Adam W. Amundson, M.D.	Rochester, MN
Christopher M. Duncan, M.D.	Rochester, MN
Hugh M. Smith, M.D., Ph.D.	Rochester, MN
Rebecca L. Johnson, M.D.	Rochester, MN
Michael J. Taunton, M.D.	Rochester, MN
Mark W. Pagnano, M.D.	Rochester, MN
Daniel J. Berry, M.D.	Rochester, MN
Matthew P. Abdel, M.D.	Rochester, MN
- 2. Mid-Term Outcomes of Hip Arthroscopy in High-Level Athletes Who Did Not Return to Sport for Reasons Unrelated to Their Hip**

*Jade S. Owens, B.S.	Des Plaines, IL
Andrew E. Jimenez, M.D.	Des Plaines, IL
Peter Monahan, B.S.	Des Plaines, IL
David R. Maldonado, M.D.	Des Plaines, IL
Benjamin R. Saks, M.D.	Des Plaines, IL
Hari K. Ankem, M.D.	Des Plaines, IL
Payam W. Sabetian, M.D.	Des Plaines, IL
Ajay C. Lall, M.D., M.S.	Des Plaines, IL
Benjamin G. Domb, M.D.	Des Plaines, IL
- 3. Outcomes Following Primary Total Hip Arthroplasty with Concomitant Gluteus Medius Repair Using the Direct Anterior Approach**

*David R. Maldonado, M.D.	Des Plaines, IL
Rachel Glein, B.S.	Des Plaines, IL
Shawn Annin, M.D.	Des Plaines, IL
Andrew E. Jimenez, M.D.	Des Plaines, IL
Benjamin R. Saks, M.D.	Des Plaines, IL
Ajay C. Lall, M.D.	Des Plaines, IL
Benjamin G. Domb, M.D.	Des Plaines, IL

4. **Depression and Anxiety are Associated with Increased Risk of Infections, Revisions, and Reoperations Following Total Hip Arthroplasty**  

*Joshua R. Harmer, M.D.	Rochester, MN
Cody C. Wyles, M.D.	Rochester, MN
Stephanie Q. Duong	Rochester, MN
Dirk R. Larson, M.D.	Rochester, MN
Robert J. Morgan, M.D.	Rochester, MN
Hilal Maradit-Kremers, M.D.	Rochester, MN
Matthew P. Abdel, M.D.	Rochester, MN
  
5. **Complications Following Same-Day vs. Inpatient Total Joint Arthroplasty: An Updated Analysis of a National Database**  

*E. Bailey Terhune M.D.	Chicago, IL
Zakariah K. Siyaji, B.S.	Chicago, IL
Bryce A. Basques, M.D.	Chicago, IL
Craig J. Della Valle, M.D.	Chicago, IL
  
6. **The Impact of Resident Involvement on Patient Outcomes in Revision Total Hip Arthroplasty**  

Roshan Jacob, M.D.	Birmingham, AL
Kelly Chandler	Birmingham, AL
*Mackenzie Sowers	Birmingham, AL
Sameer Naranje M.D.	Birmingham, AL
  
7. **Workers' Compensation Patients Improve After Hip Arthroscopy for Labral Tears**  

Payam W. Sabetian, M.D.	Des Plaines, IL
Peter F. Monahan, B.S.	Des Plaines, IL
James D. Fox, B.B.A.	Des Plaines, IL
David R. Maldonado, M.D.	Des Plaines, IL
Andrew E. Jiminez, M.D.	Des Plaines, IL
Benjamin R. Saks, M.D.	Des Plaines, IL
Hari K. Ankem, M.D.	Des Plaines, IL
Ajay C. Lall, M.D., M.S.	Des Plaines, IL
Benjamin G. Domb, M.D.	Des Plaines, IL
*Michael S. Lee, B.A.	Des Plaines, IL
  
8. **Comparable Minimum Five-Year Outcomes Using Either Hamstring Allograft or Autograft for Acetabular Labral Reconstruction Autograft**  

*David R. Maldonado, M.D.	Des Plaines, IL
Cynthia Kyin	Des Plaines, IL
Shawn Annin, M.D.	Des Plaines, IL
Benjamin G. Domb, M.D.	Des Plaines, IL

9. **Concomitant Treatment of External Snapping Hip and Femoroacetabular Impingement Syndromes**  
 \*David R. Maldonado, M.D. Des Plaines, IL  
 Rachel Glein, B.A. Des Plaines, IL  
 Benjamin G. Domb, M.D. Des Plaines, IL
10. **Development of a Machine Learning Model to Reliably Predict Risk of Overnight Stay after Outpatient Hip Arthroscopy**  
 Bryant M. Song, MS Rochester, MN  
 \*Yining Lu, M.D. Rochester, MN  
 Ryan R. Wilbur, BA Rochester, MN  
 Ophelie Lavoie-Gagne, M.D. Rochester, MN  
 Ayoosh Pareek, M.D. Rochester, MN  
 Sara E. Till, MS Rochester, MN  
 Anna K. Reinholz, B.S. Rochester, MN  
 Brian Forsythe, M.D. Chicago, IL  
 Aaron J. Krych, M.D. Rochester, MN
11. **Malseating of Modular Dual Mobility Liners**  
 \*Jonathan Guntin, B.S. Chicago, IL  
 Darren Plummer, M.D. Chicago, IL  
 Craig J. Della Valle, M.D. Chicago, IL  
 Anne DeBenedetti, B.A. Chicago, IL  
 Denis Nam, M.D., MSc Chicago, IL
12. **National Trends in Post-Acute Care Costs Following Total Hip Arthroplasty from 2010-2018**  
 \*Joseph Serino, III, M.D. Chicago, IL  
 Robert A. Burnett, M.D. Chicago, IL  
 Craig J. Della Valle, M.D. Chicago, IL  
 P. Maxwell Courtney, M.D. Philadelphia, PA
13. **Femoral Head Decompression for Osteonecrosis with Concurrent Contralateral Total Hip Arthroplasty**  
 Courtney E. Baker, M.D. Rochester, MN  
 David F. Soriano, B.S. Rochester, MN  
 \*Katherine E. Mallett, M.D. Rochester, MN  
 Rafael J. Sierra, M.D. Rochester, MN
14. **Conversion Total Hip Arthroplasty Following Previous Hip Fractures: A 10 Year Single Institution Experience.**  
 \*Emmanuel A. Adeyemo, B.A. Dallas, TX  
 Charlotte S. Greif, B.A. Dallas, TX  
 Dietrich W. Riepen, M.D. Dallas, TX  
 Matthew Igbinigie, M.D. Dallas, TX  
 Michael H. Huo, M.D. Dallas, TX

15. **Conversion Total Hip Arthroplasty Following Failure of Intertrochanteric Fracture Fixation - A Systematic Review**  
 \*Emmanuel A. Adeyemo, B.A. Dallas, TX  
 Dietrich W. Riepen, M.D. Dallas, TX  
 Matthew O. Igbinigie, M.D. Dallas, TX  
 Michael H. Huo, M.D. Dallas, TX
16. **Operative Room Time Comparison Between General and Spinal Anesthesia in Total Hip Arthroplasty**  
 Roshan Jacob, M.D. Birmingham, AL  
 Kelly Chandler Birmingham, AL  
 \*Mackenzie Sowers Birmingham, AL  
 Sameer Naranje M.D. Birmingham, AL
17. **Higher Postoperative Risks in HIV Patients After Total Joint Arthroplasty**  
 Roshan Jacob, M.D. Birmingham, AL  
 Mackenzie Sowers Birmingham, AL  
 \*Kelly Chandler Birmingham, AL  
 Sameer Naranje M.D. Birmingham, AL
18. **The Safety of Total Hip Arthroplasty in a Free-Standing Ambulatory Surgery Center in Obese Patients**  
 Zachary A. Mosher, M.D. Memphis, TN  
 \*Zachary R. Diltz, M.D. Memphis, TN  
 Seth R. Cope, M.D. Memphis, TN  
 Patrick C. Toy, M.D. Memphis, TN  
 Marcus C. Ford, M.D. Memphis, TN
19. **PLAN and AM-PAC "6-Clicks" Scores to Predict Discharge Disposition after Primary Hip Arthroplasty**  
 \*Matthew J. Hadad, B.S. Cleveland, OH  
 Melissa N. Orr, M.S. Cleveland, OH  
 Ahmed K. Emara, M.D. Cleveland, OH  
 Alison K. Klika, M.S. Cleveland, OH  
 Carlos A. Higuera, M.D. Weston, FL  
 Robert Molloy, M.D. Cleveland, OH  
 Wael K. Barsoum, M.D. Weston, FL  
 Joshua K. Johnson, P.T. Cleveland, OH  
 Nicolas S. Piuzzi, M.D. Cleveland, OH

## KNEE (24 posters)

20. **Spinal Anesthesia vs. General Anesthesia in Contemporary Revision Total Knee Arthroplasties**  
\*Aaron R. Owen, M.D. Rochester, MN  
Adam W. Amundson, M.D. Rochester, MN  
Christopher M. Duncan, M.D. Rochester, MN  
Hugh M. Smith, M.D., Ph.D. Rochester, MN  
Rebecca L. Johnson, M.D. Rochester, MN  
Michael J. Taunton, M.D. Rochester, MN  
Mark W. Pagnano, M.D. Rochester, MN  
Daniel J. Berry, M.D. Rochester, MN  
Matthew P. Abdel, M.D. Rochester, MN
21. **Tensile Properties of Tendon After Repair Using Implants with Different Porosities in a Rat Model**  
\*Michael T. Fry, M.D. Southfield, MI  
Wei-Ping Ren, M.D., Ph.D. Detroit, MI  
Therese Bou-Akl, M.D., Ph.D. Southfield, MI  
Bin Wu, M.D. Southfield, MI  
Zlatan Cizmic, M.D. Southfield, MI  
David C. Markel, M.D. Novi, MI
22. **Depression and Anxiety are Associated with Increased Risk of Infections, Revisions, and Reoperations Following Total Knee Arthroplasty**  
\*Joshua R. Harmer, M.D. Rochester, MN  
Cody C. Wyles, M.D. Rochester, MN  
Stephanie Q. Duong Rochester, MN  
Dirk R. Larson, M.D. Rochester, MN  
Robert J. Morgan, M.D. Rochester, MN  
Hilal Maradit Kremers, M.D. Rochester, MN  
Matthew P. Abdel, M.D. Rochester, MN
23. **What are the Complications and Costs of Patellofemoral Arthroplasty?**  
\*Robert A. Burnett, M.D. Chicago, IL  
Joseph Serino, M.D. Chicago, IL  
P. Maxwell Courtney, M.D. Chicago, IL  
Craig J. Della Valle, M.D. Chicago, IL
24. **Minimum One-Year PROMS are Predicted by the Amount of Improvement in PROMs Four-Months after TKA**  
\*Abhi Seetharam, 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

25. **General vs. Neuraxial Anesthesia in Revision Surgery for Periprosthetic Joint Infection**  
 \*Joseph Serino III, M.D. Chicago, IL  
 Monique S. Haynes, M.D., M.P.H. Chicago, IL  
 Anoop R. Galivanche, B.S. New Haven, CT  
 Jonathan N. Grauer, M.D. New Haven, CT  
 Vasili Karas, M.D. Chicago, IL  
 Craig J. Della Valle, M.D. Chicago, IL
26. **Fewer Complications Associated with Outpatient Total Knee Arthroplasty from 2010-2018**  
 \*Robert A. Burnett, M.D. Chicago, IL  
 Joseph Serino, M.D. Chicago, IL  
 Edward Hur, M.D. Chicago, IL  
 P. Maxwell Courney, M.D. Chicago, IL  
 Craig J. Della Valle, M.D. Chicago, IL
27. **A Retrospective Review of Relative Value Units in Revision Total Knee Arthroplasty: A Dichotomy Between Surgical Complexity and Reimbursement**  
 \*Arpan Patel, M.S. Chicago, IL  
 Benjamin Kerzner, B.S. Chicago, IL  
 Adam A. Takatsuka, B.S. Chicago, IL  
 Brett R. Levine, M.D., M.S. Chicago, IL
28. **Oral Dexamethasone Decreases Pain and Nausea after Outpatient Total Knee Arthroplasty**  
 \*Cody A. Stover, M.D. Columbus, OH  
 Nicholas B. Wilson, M.D. Columbus, OH  
 Alyssa Howden, PA-C Columbus, OH  
 Joel R. Politi, M.D. Columbus, OH
29. **Documented Penicillin Allergies Should Not Preclude Use of Preoperative Cefazolin in Hip and Knee Arthroplasty**  
 \*Brian P. Kurcz, M.D. Springfield, IL  
 John V. Horberg, M.D. Springfield, IL  
 Anthony Nestler, M.D. Springfield, IL  
 Emily Lister, M.D. Springfield, IL  
 Cody Yarnell, M.D. Springfield, IL  
 D. Gordon Allan, M.D. Springfield, IL
30. **Preoperative PROMIS-GH and KOOS-JR Scores Predict MCID Achievement Following Total Knee Arthroplasty**  
 \*Brian Darrith, M.D. Detroit, MI  
 Lafi S. Khalil, M.D. Detroit, MI  
 Sretan Franovic, B.S. Detroit, MI  
 Robb M. Weir, M.D. Detroit, MI  
 Trevor R. Banka, M.D. Detroit, MI  
 Jason J. Davis, M.D. Detroit, MI

31. **Patellar Component Positioning in Total Knee Arthroplasty**  
 Roshan Jacob, MD Birmingham, AL  
 Kelly Chandler Birmingham, AL  
 \*Mackenzie Sowers Birmingham, AL  
 Sameer Naranje, M.D. Birmingham, AL
32. **Operative Room Time Comparison between General and Spinal Anesthesia in Total Knee Arthroplasty**  
 Roshan Jacob, M.D. Birmingham, AL  
 Mackenzie Sowers Birmingham, AL  
 \*Kelly Chandler Birmingham, AL  
 Sameer Naranje, M.D. Birmingham, AL
33. **Comparative Analysis of Topical Vs. Intravenous Administration of Epsilon-Aminocaproic Acid on Blood Management in Total Knee Arthroplasty**  
 \*Benjamin L. Lancaster, M.D. Witchia, KS  
 Alexander Wendling, M.D. Wichita, KS  
 Tanner Poppe, B.S. Wichita, KS  
 Rosey Zackula, M.A. Witchia, KS  
 Robert P. Cusick, M.D. Champaign, IL  
 Paul C. Pappademos, M.D. Wichita, KS
34. **Who is Still Receiving Blood Transfusions After Primary and Revision Total Knee Arthroplasty?**  
 David E. DeMik, MD, PharmD Iowa City, IA  
 \*Christopher N. Carender, M.D. Iowa City, IA  
 Natalie A. Glass, Ph.D. Iowa City, IA  
 Timothy S. Brown, M.D. Iowa City, IA  
 John J. Callaghan, M.D. Iowa City, IA  
 Nicholas A. Bedard, M.D. Rochester, MN
35. **Impact of Increased Age on Cementless Total Knee Arthroplasty Outcomes and Survivorship**  
 \*Tahsin M. Rahman, M.D. Detroit, MI  
 Jonathan H. Shaw, M.D. Detroit, MI  
 Brian Darrith, M.D. Detroit, MI  
 Elizabeth A. Klag, M.D. Detroit, MI  
 Kevin Lindsay-Rivera, M.D. Detroit, MI  
 Luke D. Wesemann, B.S. Detroit, MI  
 Erickson Andrews, M.D. Detroit, MI  
 David Wright, M.D. Detroit, MI  
 Craig D. Silverton, M.D. Detroit, MI

36. **Etiology of Thigh Pain after Total Knee Arthroplasty**  
 \*Melissa C. Odoemene, B.S., CPhT Houston, TX  
 Emily Vidal, B.S. Houston, TX  
 Kathryn Sawyer, PT, Ph.D Austin, TX  
 Brandon Thompson, CST, CFA Houston, TX  
 Mitzi S. Laughlin, Ph.D Houston, TX  
 Gregory W. Stocks, M.D. Houston, TX
37. **When Do We Indicate TKA? 5-year Trends and Patient-Determinants of Baseline Pain and Function**  
 \*Ahmed K. Emara, M.D. Cleveland, OH  
 Melissa Orr, M.S. Cleveland, OH  
 Jonathan Schaffer, M.D. Cleveland, OH  
 Wael K. Barsoum, M.D. Weston, FL  
 Robert Molloy, M.D. Cleveland, OH  
 Viktor E. Krebs, M.D. Cleveland, OH  
 Carlos A. Higuera, M.D. Weston, FL  
 Nicolas S. Piuizzi, M.D. Cleveland, OH
38. **How Does Alignment Affect Outcomes of Meniscal Repair**  
 Reid A. Palumbo, B.S. Columbus, OH  
 Robert A. Magnussen, M.D. Columbus, OH  
 David C. Flanigan, M.D. Columbus, OH  
 Alex C. DiBartola, M.D. Columbus, OH  
 \*Logan M. Good, B.S. Columbus, OH
39. **Combined Preoperative PROMs Phenotypes (Pain, Function and Mental Health) Predict Outcome Post-TKA**  
 Melissa Orr, MS Cleveland, OH  
 \*Ahmed K. Emara, M.D. Cleveland, OH  
 Alison K. Klika, M.S. Cleveland, OH  
 Robert Molloy, M.D. Cleveland, OH  
 Carlos A. Higuera, M.D. Weston, FL  
 Wael K. Barsoum, M.D. Weston, FL  
 Nicolas S. Piuizzi, M.D. Cleveland, OH
40. **Influence of Patellofemoral Anatomy on Patient-Reported Outcomes of Isolated Medial Patellofemoral Ligament Reconstruction**  
 Robert A. Magnussen, M.D., M.P.H. Columbus, OH  
 \*Nicholas Pappa, B.S. Columbus, OH  
 David C. Flanigan, M.D. Columbus, OH  
 Joseph Long, B.S. Columbus, OH  
 Matthew Dorweiler, M.D. Columbus, OH  
 Brian Fowler, B.S. Columbus, OH  
 Robert A. Duerr, M.D. Columbus, OH  
 Alex C. DiBartola, M.D., M.P.H. Columbus, OH  
 Christopher C. Kaeding, M.D. Columbus, OH



41. **Preoperative Opioid Consumption Affects Patient Satisfaction Following Total Knee Arthroplasty**  
\*Austin F. Smith, M.D. Louisville, KY  
Nolan S. Smith, BA Louisville, KY  
Langan S. Smith, B.S. Louisville, KY  
Madhusudhan R. Yakkanti, M.D. Louisville, KY  
Arthur L. Malkani, M.D. Louisville, KY
42. **Outcomes After Arthroscopic Posterior Capsular Release for Persistent Extension Deficit of the Knee**  
Bryant M. Song, M.S. Rochester, MN  
Ryan R. Wilbur, B.A. Rochester, MN  
\*Anna K. Reinholz, B.S. Rochester, MN  
Bruce A. Levy, M.D. Rochester, MN  
Kelechi R. Okoroha, M.D. Rochester, MN  
Christopher L. Camp, M.D. Rochester, MN  
Aaron J. Krych, M.D. Rochester, MN
43. **Single-Sport Athletes Not Experiencing Increase in Secondary Tear Incidence Despite Earlier Clearance**  
\*W. Craig Kemper, BBA Dallas, TX  
Connor M. Carpenter, BBA Dallas, TX  
K. John Wagner, B.S. Dallas, TX  
David E. Zimmerhanel, B.S. Dallas, TX  
Philip L. Wilson, M.D. Dallas, TX  
Henry B. Ellis, M.D. Dallas, TX

## MIXED TOPICS (11 posters)

44. **Shifting Trends in Arthroplasty Patient Characteristics Following the COVID-19 Shutdown**  
Phillip A. Bostian, M.D. Indianapolis, IN  
Mary Ziemba-Davis, B.A. Indianapolis, IN  
\*R. Michael Meneghini, M.D. Indianapolis, IN
45. **Failure to Launch: Risk Factors and Prevention in Same-Day Discharge Following TJA**  
David P. Foley, M.D. Indianapolis, IN  
Kevin A. Sonn, M.D. Indianapolis, IN  
\*Priyanka Ghosh, B.S. Indianapolis, IN  
Mary Ziemba-Davis, B.A. Indianapolis, IN  
R. Michael Meneghini, M.D. Indianapolis, IN
46. **Effect of Primary Language on Access to Orthopedic Clinics in South Florida**  
\*Ajay K. Desai, B.S. Boca Raton, FL  
Cara E. Busheme, M.S. Boca Raton, FL  
William J. Pallissery, B.S. Boca Raton, FL  
Alessia C. Lavin, M.D. Boca Raton, FL  
Vani J. Sabesan, M.D. Boca Raton, FL
47. **Influence of Dual Eligibility Status on 90-Day Outcomes Following Primary Total Hip Arthroplasty**  
\*Leonard T. Buller, M.D. Carmel, IN  
Samuel Rosas, M.D. Wake Forest, NC  
T. David Luo, M.D. Wake Forest, NC  
Chad A. Krueger, M.D. Philadelphia, PA  
James L. Huddleston, M.D. Stanford, CA
48. **Risk of Recall Among Orthopedic 510(k) Medical Devices**  
Jacob T. Williamson, M.S. Kansas City, MO  
\*Hiba Ibad, M.D. Kansas City, MO  
Daria Kinchelov, M.S. Kansas City, MO  
Jonathan R. Dubin, M.D. Kansas City, MO
49. **Dual Eligibility THA Patients Have Higher Comorbidity Burdens Compared to Privately Insured Patients**  
\*Leonard T. Buller, M.D.  
T. David Luo, M.D. Wake Forest, NC  
Samuel Rosas Wake Forest, NC  
Martin W. Roche, M.D. West Palm Beach, FL  
Chad A. Krueger, M.D. Philadelphia, PA  
James L. Huddleston Stanford, CA

50. **Effect of Wound Irrigation Solutions on Uninfected Host Tissue - A Skin Punch Murine Model**
- |                        |                |
|------------------------|----------------|
| Dexter Powell          | Southfield, MI |
| *David C. Markel, M.D. | Southfield, MI |
| Brendan Comer          | Southfield, MI |
| Paula Dietz, M.S.      | Southfield, MI |
| Bin Wu, M.D.           | Southfield, MI |
| Therese Bou-Akl, Ph.D. | Southfield, MI |
| Weiping Ren, Ph.D.     | Southfield, MI |
51. **Reported Vs. True Incidence of Surgical Sharps Exposures in an Urban, Academic Hospital Center**
- |                            |             |
|----------------------------|-------------|
| *Tahsin M. Rahman, M.D.    | Detroit, MI |
| Brian Darrith, M.D.        | Detroit, MI |
| Luke D. Wesemann, B.S.     | Detroit, MI |
| Jonathan H. Shaw, M.D.     | Detroit, MI |
| Erickson Andrews, M.D.     | Detroit, MI |
| Kevin Lindsay-Rivera, M.D. | Detroit, MI |
| Joseph Hoegler, M.D.       | Detroit, MI |
| Craig D. Silverton, D.O.   | Detroit, MI |
52. **Afterhours Patient Phone Calls: A Quality Improvement Study for Patient and Resident Wellbeing**
- |                             |                 |
|-----------------------------|-----------------|
| Grace E. Tideman, B.S.      | Kansas City, KS |
| *Tanner R. Campbell, M.D.   | Kansas City, KS |
| Morgan Hadley, M.D.         | Kansas City, KS |
| Steven Clary, M.D.          | Kansas City, KS |
| Kimberly J. Templeton, M.D. | Kansas City, KS |
53. **Eliciting Emotion and Action Increases Social Media Engagement: An Analysis of Influential Orthopaedic Surgeons**
- |                          |               |
|--------------------------|---------------|
| Muhammad J. Abbas, B.S.  | Detroit, MI   |
| *Lafi S. Khalil, M.D.    | Detroit, MI   |
| Abdulah Haikal, B.A.     | Detroit, MI   |
| Miriam E. Dash, M.S.     | Detroit, MI   |
| Gauthier Dongmo, B.S.    | Detroit, MI   |
| Kelechi R. Okoroha, M.D. | Rochester, MN |
54. **The Use of Telemedicine in Orthopaedic Surgery During COVID-19**
- |                          |                |
|--------------------------|----------------|
| Joel Grunhut, B.A.       | Boca Raton, FL |
| Shad Sommerville, B.S.   | Boca Raton, FL |
| Laila Khoury, B.S.       | Boca Raton, FL |
| Alessia C. Lavin, M.D.   | Boca Raton, FL |
| Peter Evans, M.D.        | Cleveland, OH  |
| *Feyikemi Ogunfuwa, B.S. | Boca Raton, FL |
| Vani Sabesan, M.D.       | Boca Raton, FL |

## SPORTS (7 posters)

Poster Position #55 deleted

Poster Position #56 deleted

Poster Position #57 deleted

58. **High Return to Play Rate and Reduced Career Longevity Following Surgical Management of Athletic Pubalgia in National Basketball Association Players**
- |                           |                 |
|---------------------------|-----------------|
| *Joshua P. Castle, M.D.   | Detroit, MI     |
| Adam Kessler, B.S.        | Los Angeles, CA |
| Muhammad Abbas, B.S.      | Detroit, MI     |
| Susan Wager, B.S.         | Detroit, MI     |
| Lafi Khalil, M.D.         | Detroit, MI     |
| Daniel Cotter, M.D.       | Detroit, MI     |
| Kelechi R. Okorooha, M.D. | Rochester, MN   |
| Vasilios Moutzouros, M.D. | Detroit, MI     |
| Nima Mehran, M.D.         | Los Angeles, CA |
59. **Maximum Subjective Outcome Improvement is Reported by 3 Months Following Arthroscopic Partial Meniscectomy: A Meta-Analysis**
- |                           |               |
|---------------------------|---------------|
| *Joshua P. Castle, M.D.   | Detroit, MI   |
| Lafi Khalil, M.D.         | Detroit, MI   |
| Muhammad Abbas, B.S.      | Detroit, MI   |
| Marissa Tandron, M.D.     | Detroit, MI   |
| Austin Cross, B.S.        | Detroit, MI   |
| Guillermo Rodriguez, M.D. | Detroit, MI   |
| Stephanie DeBolle, M.D.   | Detroit, MI   |
| Vasilios Moutzouros, M.D. | Detroit, MI   |
| Kelechi R. Okorooha, M.D. | Rochester, MN |
60. **Understanding the Epidemiology and Impact of Shoulder Injuries in Professional Baseball Position Players and Batters**
- |                           |                 |
|---------------------------|-----------------|
| *Erick M. Marigi, M.D.    | Rochester, MN   |
| Sara E. Till, M.S.        | Rochester, MN   |
| Anna K. Reinholz, B.S.    | Rochester, MN   |
| Stan Conte, PT, DPT, ATC  | Rochester, MN   |
| John Steubs, M.D.         | Bloomington, MN |
| Michael Knudsen, M.D.     | Minneapolis, MN |
| Aaron J. Krych, M.D.      | Rochester, MN   |
| Christopher L. Camp, M.D. | Rochester, MN   |

61. **ACL Reconstruction Does Not Impact Career Earnings Following RTP in National Basketball Association Athletes**
- |                          |               |
|--------------------------|---------------|
| Muhammad J. Abbas, B.S.  | Detroit, MI   |
| *Lafi S. Khalil, M.D.    | Detroit, MI   |
| Tahsin Rahman, M.D.      | Detroit, MI   |
| Leena Abbas, B.S.        | Chicago, IL   |
| Noel O. Akioyamen, M.D.  | Detroit, MI   |
| Brendan J. Farley, M.D.  | Detroit, MI   |
| Talal Bazzi, B.S.        | Detroit, MI   |
| Kelechi R. Okoroha, M.D. | Rochester, MN |
| Joseph S. Tramer, M.D.   | Detroit, MI   |
62. **NHL Player Workload and Performance Following Arthroscopic Shoulder Labral Repair**
- |                           |                  |
|---------------------------|------------------|
| *Joshua P. Castle, M.D.   | Detroit, MI      |
| Daniel Cotter, M.D.       | Detroit, MI      |
| Muhammad Abbas, B.S.      | Detroit, MI      |
| Toufic R. Jildeh, M.D.    | Detroit, MI      |
| Abdullah N. Ghali, B.S.   | San Antonio, TX  |
| Chauncey Bridges, M.D.    | Washington, D.C. |
| Michael Gaudiani, M.D.    | Detroit, MI      |
| Vasilios Moutzouros, M.D. | Detroit, MI      |
| Kelechi R. Okoroha, M.D.  | Rochester, MN    |
63. **Central Compartment Bone Marrow Stimulation During Hip Arthroplasty: Surgical Technique**
- |                          |              |
|--------------------------|--------------|
| Joshua S. Bowler, M.D.   | Columbus, OH |
| John M. Ryan, M.D.       | Columbus, OH |
| W. Kelton Vasileff, M.D. | Columbus, OH |
| *Azeem T. Malik, M.D.    | Columbus, OH |

## SHOULDER (15 posters)

64. **Shoulder Arthroplasty in Patients with Juvenile Idiopathic Arthritis: Long-Term Outcomes**  
\*Erick M. Marigi, M.D. Rochester, MN  
Dustin Lee, M.D. Rochester, MN  
Ian Marigi, B.A. Rochester, MN  
Jean-David Werthel, M.D. Boulogne-Billancourt, France  
Jonathan D. Barlow, M.D., M.S. Rochester, MN  
John Sperling, M.D., MBA Rochester, MN  
Joaquin Sanchez-Sotelo, M.D., Ph.D. Rochester, MN  
Bradley S. Schoch, M.D. Jacksonville, FL
65. **Emergency Department Utilization Following Elective Outpatient Rotator Cuff Repair**  
Yazdan Raji, M.D. Cleveland, OH  
Ajit M. Vakharia, M.D. Cleveland, OH  
Mingda Chen, B.A. Cleveland, OH  
Lakshmanan Sivasundaram, M.D. Cleveland, OH  
Joanne H. Wang, M.D. Cleveland, OH  
Michael J. Salata, M.D. Cleveland, OH  
James E. Voos, M.D. Cleveland, OH  
\*Robert J. Gillespie, M.D. Cleveland, OH
66. **The Impact of Post-9/11 Airport Security Measures on Patients with Anatomic and Reverse Total Shoulder Arthroplasties**  
\*Michael D. Scheidt, M.D. Maywood, IL  
Neal Sethi, M.D. Maywood, IL  
Matthew Ballard, M.D. Maywood, IL  
Michael Wesolowski, MPH Maywood, IL  
Dane Salazar, M.D. Maywood, IL  
Nickolas Garbis, M.D. Maywood, IL
67. **Cost and Performance after SLAP Repair in Major League Baseball Pitchers**  
Ahmed Al Mansoori, M.D. Weston, FL  
Kiran Chatha, M.D. Weston, FL  
Eric Guo, B.S. Taylor, MI  
\*Alessia C. Lavin, M.D. Boca Raton, FL  
Jacob Oster, B.S. Davie, FL  
Vani Sabesan, M.D. Boca Raton, FL

68. **Determinants of Physical Therapy Utilization Following Shoulder Surgery - Do Cost and Coverage Matter?**  
 Vani Sabesan, M.D. Boca Raton, FL  
 Mirelle Dawoud, M.S. Weston, FL  
 Ahmed Al Mansoori, M.D. Weston, FL  
 \*Brett J. Stephens, B.S. Davie, FL  
 Alessia C. Lavin, M.D. Boca Raton, FL  
 Loren Breen, B.S. Boca Raton, FL  
 Christian Martinez, M.S. Ponce, PR
69. **Does Insurance Status Predict Magnitude of Rotator Cuff Tear at First Presentation to an Orthopedic Surgeon?**  
 \*Sudarsan Murali, MBA Birmingham, AL  
 Ryan Cone, M.D. Birmingham, AL  
 Kyle Paul Birmingham, AL  
 Joseph W. Elphinstone, M.D. Birmingham, AL  
 Mason B. Frazier, M.D. Birmingham, AL  
 Gerald McGwin, Ph.D. Birmingham, AL  
 Eugene W. Brabston, M.D. Birmingham, AL  
 Brent A. Ponce, M.D. Birmingham, AL  
 Amit M. Momaya, M.D. Birmingham, AL
70. **Diagnosing Septic Arthritis of the Native Shoulder Joint: A Systematic Review**  
 \*Luis M. Salazar, BSA San Antonio, TX  
 Jose M. Gutierrez-Naranjo, M.D. San Antonio, TX  
 Clarissa Meza, B.S. San Antonio, TX  
 Andrew Gabig, B.S. San Antonio, TX  
 Aaron Bois, M.D. Calgary, Alberta  
 Christina Brady, M.D. San Antonio, TX  
 Anil Dutta, M.D. San Antonio, TX
71. **Use of a Nanofiber Resorbable Scaffold During Rotator Cuff Repair: Surgical Technique and Retrospective Case Series Report**  
 Brian L. Badman, M.D. Indianapolis, IN  
 Joel Abad, B.S. Indianapolis, IN  
 \*Abhi Seetharam, M.D. Indianapolis, IN
72. **Healthcare Disparities in Surgical Treatment of Rotator Cuff Disease**  
 Ryan Moossighi, B.S. Maywood, IL  
 \*Hassan Farooq, B.S. Maywood, IL  
 Nickolas G. Garbis, M.D. Maywood, IL  
 Dane H. Salazar, M.D., MBA Maywood, IL

73. **The Use of Preoperative Planning to Decrease Costs and Increase Efficiency in the OR**  
 Bhavya Sheth, M.D. Brooklyn, NY  
 \*Alessia C. Lavin, M.D. Boca Raton, FL  
 Christian Martinez, B.S. Daytona Beach, FL  
 Sarah J. Girschfeld, B.A. Delray Beach, FL  
 Vani J. Sabesan, M.D. Boca Raton, FL
74. **Analysis of Compliance with Patient-Reported Outcomes Collection in a Private Practice Electronic Outcomes Database**  
 \*Matthew D. Smith, B.S. San Antonio, TX  
 Ryan N. Madden, B.A. San Antonio, TX  
 Mike Proffitt, PH.D San Antonio, TX  
 Robert U. Hartzler, M.D. San Antonio, TX
75. **Objective Sleep Assessment in Patients with Rotator Cuff Disease: A Prospective Study**  
 Rebecca G. Burr, M.D. Maywood, IL  
 Andrew D. Schneider, M.D. Maywood, IL  
 Jayanth Kumar, B.S. Maywood, IL  
 \*Hassan Farooq, B.S. Maywood, IL  
 Lara Dugas, PH.D, MPH Maywood, IL  
 Dane H. Salazar, M.D., MBA Maywood, IL  
 Nickolas G. Garbis, M.D. Maywood, IL
76. **The Effect of Physical Therapy and Rehabilitation Timing on Rotator Cuff Repair Revisions and Capsulitis.**  
 \*Quinn A. Stillson, B.S. Chicago, IL  
 John Q. Sun, B.S. Chicago, IL  
 Michael Maninang, P.T. Chicago, IL  
 Nicholas H. Maassen, M.D. Chicago, IL  
 Jason A. Strelzow, M.D. Chicago, IL  
 Lewis L. Shi, M.D. Chicago, IL
77. **A Radiological Evaluation of Clinical Outcomes in Patients Undergoing Subacromial Decompression for Subacromial Impingement Syndrome**  
 Matthew T. Compton Detroit, MI  
 Martin Weaver B.S. Detroit, MI  
 Vincent Bruno B.S. Detroit, MI  
 Shayar Kian B.S. Nashville, TN  
 Chaoyang Chen M.D. PH.D Detroit, MI  
 Jose Antonio Bouffard M.D. Detroit, MI  
 Henry Goitz M.D. Detroit, MI  
 \*Sasha A. Stine, M.D., MScEng Detroit, MI



78. **The Fate of Distal Biceps Partial Thickness Tears**

\*Adam J. Tagliero, M.D.

Ryan R. Wilbur, B.A.

Sara E. Till, M.S.

Anna K. Reinholz, B.S.

Joaquin Sanchez-Sotelo, M.D., PH.D

Jonathan D. Barlow, M.D., M.S.

Christopher L. Camp, M.D.

Rochester, MN

Rochester, MN

Rochester, MN

Rochester, MN

Rochester, MN

Rochester, MN

Rochester, MN

## TRAUMA (12 posters)

79. **Pelvic Insufficiency Fractures: A New Osteoporotic Defining Event Based on the American Own the Bone Registry**  
Rachel L. Honig, M.D. Rochester MN,  
Zachariah Pinter, M.D. Rochester, MN  
Cynthia Emory, M.D. MBA Winston-Salem, NC  
Brett Freedman, M.D. Rochester, MN  
\*Alexandra Cancio-Bello, B.S. Rochester, MN
80. **Technical Note on Placement of Low Profile Triangular Osteosynthesis for Unstable Posterior Pelvic Ring Injuries**  
\*Kevin R. Steelman, M.D. Detroit, MI  
Ryan Bray, D.O. Detroit, MI  
Rahul Vaidya, M.D. Detroit, MI
81. **A Comparison of Distal Femoral Replacement and Open Reduction-Internal Fixation for the Management of Periprosthetic Distal Femur Fractures**  
\*Ramsey S. Sabbagh, M.S. Cincinnati, OH  
Nihar S. Shah, M.D. Cincinnati, OH  
Jack A. Buchan, M.D. Cincinnati, OH  
Robert N. Matar, M.D. Cincinnati, OH  
Tyler D. Ames, M.D. Cincinnati, OH  
Tyler J. Calton, M.D. Cincinnati, OH  
Zachary T. Crawford, M.D. Cincinnati, OH  
John D. Wyrick, M.D. Cincinnati, OH  
Michael T. Archdeacon, M.D. Cincinnati, OH  
Theodore T. Le, M.D. Cincinnati, OH
82. **Unique Quadruple Disruption of Superior Shoulder Suspensory Complex with Associated Proximal Humerus Fracture-Dislocation**  
Trevor Wait, M.D. San Antonio, TX  
Luis M. Salazar, BSA San Antonio, TX  
Matthew D. Smith, B.S. San Antonio, TX  
\*Jaime A. Quirarte, B.S. San Antonio, TX  
Robert DelBello, B.S. San Antonio, TX  
Anil K. Dutta, M.D. San Antonio, TX
83. **Does Serum Procalcitonin Predict Fracture-Related Infection?**  
Amy N. Ford, M.D. Indianapolis, IN  
\*Ishani Sharma, B.S. Munster, IN  
Hassan Farooq, B.S. Crown Point, IN  
Jan P. Szatkowski, M.D. Indianapolis, IN  
Robert P. Wessel, M.D. Allentown, PA  
Roman M. Natoli, M.D., PH.D. Indianapolis, IN

84. **Anterior Gluteal Pillar Bone Graft Harvesting using Acetabular Reamer Technique: As Effective as Reamer-Irrigator-Aspirator System**  
 \*E. Bailey Terhune M.D. Chicago, IL  
 David Fischer, B.S. Chicago, IL  
 Joel Williams, M.D. Chicago, IL  
 Jeffrey S. Earhart, M.D. Chicago, IL
85. **The Financial Implications of a Hip and Femur Fracture Bundle**  
 \*Kasa B. Cooper, M.D. Little Rock, AR  
 Simon C. Mears, M.D. Little Rock, AR  
 Jeffrey B. Stambough, M.D. Little Rock, AR  
 David B. Bumpass, M.D. Little Rock, AR  
 Steven M. Cherney, M.D. Little Rock, AR
86. **Augmentation of Plate Fixation with Suture Through the Triceps in a Comminuted Olecranon Fracture Model: A Biomechanical and Proof of Concept Study**  
 \*Austin F. Smith, M.D. Louisville, KY  
 Joseph M. Kitchen, B.S. Louisville, KY  
 Kevin L. Harreld, M.D. Louisville, KY  
 Michael J. Voor, Ph.D. Louisville, KY  
 Jiyao Zou, M.D. Louisville, KY
87. **Arthroscopic assisted ORIF vs Open ORIF of lateral tibial plateau fractures; Does the publication record justify a large RCT?**  
 Marc F. Swiontkowski M.D. Minneapolis, MN  
 Mai Nugyen, M.D. St. Paul, MN  
 Caitlin Baker, Ph.D. Minneapolis, MN  
 \*Nicholas P. Gannon, M.D. St. Paul, MN  
 Thomas Paull, M.D. St. Paul, MN
88. **Use of an Accessory Incision to Reduce Intertrochanteric Fractures of the Femur**  
 \*Vivek Somasundaram Rochester, MN  
 S. Andrew Sems, M.D. Rochester, MN  
 William W. Cross, III, M.D. 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
89. **Does the Diameter of the Intramedullary Nail Affect Post-Surgical Outcomes after Intertrochanteric Femur Fracture? A Retrospective Study**  
 \*Vivek Somasundaram Rochester, MN  
 Aaron R. Owen, M.D. Rochester, MN  
 S. Andrew Sems, M.D. Rochester, MN  
 William W. Cross, III, M.D. 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

90. **Coaptation Splints and Shoulder Immobilizers: Equivocal Outcomes for Diaphyseal**

**Humerus Fractures**

Katherine E. Mallett, M.D.

Rochester, MN

Rachel L. Honig, M.D.

Rochester, MN

Brandon J. Yuan, M.D.

Rochester, MN

Jonathan D. Barlow, M.D., M.S.

Rochester, MN

\*Chad W. Parkes, M.D.

Rochester, MN

## TUMOR (5 posters)

91. **Treatment of Recurrent Mobile Spine Chordomas**  
\*Joshua M. Kolz, M.D., M.S. Rochester, MN  
Elizabeth P. Wellings, M.D., M.E. Rochester, MN  
Matthew T. Houdek, M.D. Rochester, MN  
Michael J. Yaszemski, M.D. Ph.D. Rochester, MN  
Peter S. Rose, M.D. Rochester, MN
92. **Psychiatric Comorbidities in the First Year After Diagnosis of Pediatric Bone or Soft Tissue Sarcomas**  
\*Roberto Gonzalez, BSA Dallas, TX  
Amani I. Ramiz, B.A. Dallas, TX  
Destini Teague, M.S. Dallas, TX  
Kathryn E. Gallaway, B.A. Dallas, TX  
Alexandra K. Callan, M.D. Dallas, TX
93. **Lack of Radiosensitivity Predicts Poor Oncologic Outcome in Extremity Myxoid Liposarcoma**  
\*Katherine E. Mallett, M.D. Rochester, MN  
Elizabeth P. Wellings, M.D. Rochester, MN  
Safia Ahmed, M.D. Rochester, MN  
Ivy A. Petersen, M.D. Rochester, MN  
Peter S. Rose, M.D. Rochester, MN  
Matthew T. Houdek, M.D. Rochester, MN
94. **Presence of a Soft-Tissue Mass is Associated with Worse Outcome for Patients with Scapular Chondrosarcoma**  
\*Michael B. Stuart, M.D. Rochester, MN  
Elizabeth P. Wellings, M.D. Rochester, MN  
Peter S. Rose, M.D. Rochester, MN  
Matthew T. Houdek, M.D. Rochester, MN
95. **Characterizing the MPNST Patient Population in Texas and Identifying Poor Prognostic Indicators**  
Bhagyashri Pandey, B.S. Dallas, TX  
Tanooaha Veeramachaneni, B.S. Dallas, TX  
Kathryn E. Gallaway, B.A. Dallas, TX  
\*Alexandra K. Callan, M.D. Dallas, TX

## PEDIATRICS (5 posters)

96. **Vertebral Body Height Changes During Treatment of Scheuermann's Kyphosis**  
\*Christina K. Hardesty, M.D. Cleveland, OH  
Jill Kneprath Cleveland, OH  
Connie Poe-Kochert, RN, CNP Cleveland, OH  
George H. Thompson, M.D. Cleveland, OH
97. **Tarsal Coalition: Surgical Long-Term Outcomes**  
\*Sean Young, B.S. Birmingham, AL  
Nicholas Andrews Birmingham, AL  
Timothy Torrez, B.S. Birmingham, AL  
Jared Halstrom, B.S. Birmingham, AL  
Tanvee Sinha, B.S. Birmingham, AL  
James Pate, B.S. Birmingham, AL  
Abhinav Agarwal, M.D. Birmingham, AL  
Michael Conklin, M.D. Birmingham, AL  
Christine S. Scott, B.A. Birmingham, AL  
Zachary Littlefield, B.S. Birmingham, AL  
Ashish Shah, M.D. Birmingham, AL
98. **Concussion Rates in Lacrosse: An Analysis of the Pediatric Population**  
Daniel Kiehl, B.S. Boca Raton, FL  
Shimron Brown, B.S. Boca Raton, FL  
\*Brandon Macknofsky, B.S. Boca Raton, FL  
Alessia C. Lavin, M.D. Boca Raton, FL  
Vani Sabesan, M.D. Boca Raton, FL
99. **Preliminary Results of a Unilateral, Peri-Apical Distraction Device (ApiFix) for Fusionless Treatment in Adolescent Idiopathic Scoliosis**  
\*David A. Brueggeman, M.D. Dayton, OH  
Garrhett G. Via, M.D. Dayton, OH  
Nicole Lange, B.S. Dayton, OH  
Andrew W. Froehle, Ph.D. Dayton, OH  
Alvin C. Jones, M.D. Dayton, OH  
Michael C. Albert, M.D. Dayton, OH

Poster Position #100 deleted

## HAND (4 posters)

101. **Scapholunate Ligament 360 Procedure: A Preliminary Outcomes Report**  
Sanjeev Kakar, M.D. Rochester, MN  
\*Anthony L. Logli, M.D. Rochester, MN  
Taghi Ramazanian, M.D. Rochester, MN  
R. Glenn Gaston, M.D. Charlotte, NC  
John R. Fowler, M.D. Pittsburgh, PA
102. **Is DRUJ Arthritis a Problem After Total Wrist Arthrodesis? A Single-Institution Case Series**  
\*Lauren E. Dittman, M.D. Rochester, MN  
Alexander Y. Shin, M.D. Rochester, MN  
Peter C. Rhee, D.O., M.S. Rochester, MN

Poster Position #103 deleted

104. **Revenue Generation and Follow-up for a Hand Trauma Program in an Inner City Metropolitan Area**  
\*Stephanie A. DeBolle, M.D., MBA Detroit, MI  
Dylan S. Koolmees, B.S. Detroit, MI  
Arvind G. Balasundaram, M.S. Detroit, MI  
Brooke G. Garnica, B.S. Detroit, MI  
Jessi A. Fore, B.A. Detroit, MI  
Charles S. Day, M.D., MBA Detroit, MI

## SPINE (6 posters)

105. **Paraspinal Sarcopenia Predicts Worse Patient Reported Outcomes Following Posterior Cervical Fusion**  
Zachariah W. Pinter, M.D. Rochester, MN  
\*Sarah H. Townsley, M.D. Rochester, MN  
Harold I. Salmons, M.D. Rochester, MN  
Adan Omar, M.D. Rochester, MN  
Benjamin Elder, M.D., Ph.D. Rochester, MN  
Bradford Currier, M.D. Rochester, MN  
Brett Freedman, M.D. Rochester, MN  
Ahmad Nassr, M.D. Rochester, MN  
Scott C. Wagner, M.D. Bethesda, MD  
Arjun Sebastian, M.D., MS Rochester, MN
106. **Decreased Hounsfield Units Predict Cervical Interbody Subsidence**  
Zachariah W. Pinter, M.D. Rochester, MN  
\*Sarah H. Townsley, M.D. Rochester, MN  
Breydan Wright, M.D. Rochester, MN  
Jad Bou Monsef, M.D. Rochester, MN  
Benjamin Elder, M.D., PH.D. Rochester, MN  
Brett Freedman, M.D. Rochester, MN  
Ahmad Nassr, M.D. Rochester, MN  
Bradford Currier, M.D. Rochester, MN  
Scott C. Wagner, M.D. Bethesda, MD  
Arjun Sebastian, M.D., MS Rochester, MN
107. **Leave it Alone: The Natural History of Growth Friendly Graduates Without a Final Fusion**  
\*Christina K. Hardesty, M.D. Cleveland, OH  
Bryan Ren Cleveland, OH  
Robert Murphy, M.D. Charleston, SC  
Jeffrey Sawyer, M.D. Memphis, TN  
John Flynn, M.D. Philadelphia, PA  
John Emans, M.D. Boston, MA  
John Smith, M.D. Salt Lake City, UT  
Paul Sponseller, M.D. Baltimore, MD
108. **Mask-Wearing Practices During COVID-19 do Not Influence Preoperative S. aureus Colonization Rates in Patients Receiving Elective Orthopedic Surgery**  
Erin S. Grawe, M.D. Cincinnati, OH  
Cameron G. Thomson, M.D. Cincinnati, OH  
William M. Kelley, Ph.D. Cincinnati, OH  
Kimberly A. Hasselfeld, M.S. Cincinnati, OH  
\*Athony F. Guanciale, M.D. Cincinnati, OH



109. **Predictive Analysis of the Health Resource Utilization after Elective Spine Surgery**

Erik B. Gerlach, M.D.	Chicago, IL
Mark A. Plantz, M.D.	Chicago, IL
*Alexander Linton, B.S.	Chicago, IL
Nicholas A. Arpey, M.D.	Chicago, IL
Peter R. Swiatek, M.D.	Chicago, IL
Joseph A. Weiner, M.D.	Chicago, IL
Joshua P. Weissman, BBA	Chicago, IL
Srikanth N. Divi, M.D.	Chicago, IL
Wellington K. Hsu, M.D.	Chicago, IL
Alpesh A. Patel, M.D.	Chicago, IL

110. **Social Media and Anterior Cervical Discectomy and Fusion (ACDF) Surgery: An Analysis of Patient and Surgeon Perceptions**

Peter Raymond Swiatek, M.D.	Chicago, IL
*Anastasios G. Roumeliotis, B.S.	Chicago, IL
Joseph A. Weiner, M.D.	Chicago, IL
Ashvita Ramesh, B.S.	Chicago, IL
Daniel J. Johnson, M.D.	Chicago, IL
Erik B. Gerlach, M.D.	Chicago, IL
Srikanth N. Divi, M.D.	Chicago, IL
Alpesh A. Patel, M.D., MBA	Chicago, IL
Wellington K. Hsu, M.D.	Chicago, IL

## FOOT & ANKLE (10 posters)

111. **Ankle Joint Weightbearing CT Three-Dimensional Distance Maps of Progressive Collapsing Foot Deformity: A Retrospective Case-Control Study**  
\*Victoria Y. Vivtcharenko, B.A. Iowa City, IA  
Kevin Dibbern, Ph.D. Iowa City, IA  
Shuyuan Li, M.D., Ph.D. Iowa City, IA  
Eli L. Schmidt, B.S. Iowa City, IA  
John Femino, M.D. Iowa City, IA  
Cesar de Cesar Netto, M.D., Ph.D. Iowa City, IA
112. **Impact Of Resilience On Patient Reported Outcomes Of First Metatarsophalangeal Arthrodesis**  
Nicholas Andrews, B.S. Birmingham, AL  
Sterling Tran, M.D. Birmingham, AL  
Jared Halstrom, B.S. Birmingham, AL  
Jessyca Ray, B.S. Birmingham, AL  
Whitt Harrelson, B.S. Birmingham, AL  
Abhinav Agarwal, M.D. Birmingham, AL  
\*Zachary L. Littlefield, M.D. Birmingham, AL  
Christine S. Scott, B.A. Birmingham, AL  
Ashish Shah, M.D. Birmingham, AL
113. **Utilization of Arthroscopy During Ankle Fracture Fixation Among Early Career Surgeons: An Evaluation of the American Board of Orthopaedic Surgery Part II Oral Examination Database**  
\*Alan G. Shamrock, M.D. Iowa City, IA  
Zain Khazi, M.D. Iowa City, IA  
Christopher N. Carender, M.D. Iowa City, IA  
Annunziato Amendola, M.D. Durham, NC  
Natalie Glass, Ph.D. Iowa City, IA  
Kyle R. Duchman, M.D. Iowa City, IA
114. **Are Preoperative PROMIS Scores Associated With Postoperative ED Visits?**  
\*Sean Young, B.S. Birmingham, AL  
Nicholas Andrews, B.S. Birmingham, AL  
Austin Hughes, B.S. Birmingham, AL  
Jared Halstrom, B.S. Birmingham, AL  
Aseel Dib, B.S. Birmingham, AL  
David Patch, M.D. Birmingham, AL  
Whitt Harrelson, B.S. Birmingham, AL  
Sameer Naranje, M.D. Birmingham, AL  
Zachary Littlefield, M.D. Birmingham, AL  
Christine Scott, B.A. Birmingham, AL  
Ashish Shah, M.D. Birmingham, AL

115. **Radiographic Indirect Parameters for Rotation do not Correspond to Real Measurements in Hallux Valgus**  
 \*Tutku E. Tazegul, BBME Iowa City, IA  
 Caleb J. Iehl, B.S. Iowa City, IA  
 Samuel J. Ahrenholz, B.S. Iowa City, IA  
 Christian A. VandeLune, B.S. Iowa City, IA  
 Eli L. Schmidt, B.S. Iowa City, IA  
 Matthieu Lalevee, M.D. Iowa City, IA  
 Kevin N. Dibbern, PH.D Iowa City, IA  
 Nacime S. Mansur, M.D., PH.D Iowa City, IA  
 Cesar de Cesar Netto, M.D., PH.D Iowa City, IA
116. **Does Distal Metatarsal Articular Angle Reflect a Real Joint Deformity in Hallux Valgus? A Case Control Study**  
 \*Eli L. Schmidt, B.S. Iowa City, IA  
 Matthieu Lalevee, M.D. Iowa City, IA  
 Victorio Vivtcherenko, B.S. Iowa City, IA  
 Samuel J. Ahrenholz, B.S. Iowa City, IA  
 Tutku Tazegu, B.S. Iowa City, IA  
 Nacime S. Mansur, M.D. Iowa City, IA  
 Kevin Dibbern, Ph.D Iowa City, IA  
 Cesar de Cesar Netto, M.D., Ph.D Iowa City, IA
117. **Coronal Plane Deformity Correction In End Stage Ankle Osteoarthritis Using A Lateral Trans-fibular Approach Total**  
 \*Christian A. VandeLune, B.S. Iowa City, IA  
 Nacime S. Mansur, M.D., Ph.D Iowa City, IA  
 Samuel J. Ahrenholz, B.S. Iowa City, IA  
 Caleb J. Iehl, B.S. Iowa City, IA  
 Tutku E. Tazegul, BBME Iowa City, IA  
 Victoria Y. Vivtcharenko, B.S. Iowa City, IA  
 Kevin N. Dibbern, Ph.D Iowa City, IA  
 Matthieu Lalevee, M.D. Iowa City, IA  
 Cesar de Cesar Netto, M.D., Ph.D Iowa City, IA
118. **The Impact of Surgical Timing After Ankle Fracture on Clinical and Long-Term Patient Reported Outcomes**  
 Jacob Hawkins, M.D. Birmingham, AL  
 \*Sudarsan Murali, MBA Birmingham, AL  
 Bradley K. Alexander, M.D. Birmingham, AL  
 Nicholas Andrews, B.S. Birmingham, AL  
 Abhinav Agarwal, M.D. Birmingham, AL  
 Whitt Harrelson, B.S. Birmingham, AL  
 Christine S. Scott, B.A. Birmingham, AL  
 Zachary L. Littlefield, M.D. Birmingham, AL  
 Gerald McGwin, Ph.D Birmingham, AL  
 Ashish Shah, M.D. Birmingham, AL

119. **Prevalence And Risk Factors of Postoperative Falls Following Foot and Ankle Surgery**

Nicholas Andrews, B.S.

Birmingham, AL

Whitt Harrelson, B.S.

Birmingham, AL

Jared Halstrom, B.S.

Birmingham, AL

Abhinav Agarwal, M.D.

Birmingham, AL

Gerald McGwin, Ph.D

Birmingham, AL

\*Zachary L. Littlefield, M.D.

Birmingham, AL

Christine S. Scott, B.A.

Birmingham, AL

Ashish Shah, M.D.

Birmingham, AL

Poster Position #120 deleted