

WEDNESDAY, APRIL 15

3:00 PM	7:30 PM	Registration Desk Open Assembly Foyer
3:00 PM	7:30 PM	Speaker Ready Room Open Magnolia 1
7:00 PM	9:00 PM	Welcome Dinner Julep Point

THURSDAY, APRIL 16

6:00 AM	3:00 PM	Registration Desk Open Assembly Foyer			
6:00 AM	3:00 PM	Speaker Ready Room Open Magnolia 1			
7:00 AM	7:45 AM	E-POSTER SESSIONS 1-4			
	LOCATION:	AZALEA B Poster Session #1 Trauma	AZALEA C Poster Session #2 Hip Arthroplasty	AZALEA A Poster Session #3 Oncology/Pediatrics	AZALEA DEF Poster Session #4 Spine
7:45 AM	8:00 AM	Member Business Meeting <i>(no CME offered)</i> Grand Ballroom South			

FIRST PLENARY SESSION

ROOM: GRAND BALLROOM SOUTH

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

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

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

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

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

When to Consider Hip Osteotomy Procedures
Michael C. Willey, MD | Moderator
Iowa City, IA

Timothy Brown, MD
Houston, TX

Mario Hevesi, MD

Rochester, MN

8:37 AM 9:07 AM

CLASSICS IN ORTHOPAEDICS

Finding Balance in the Sports Medicine Journey

Christopher Kaeding, MD

Columbus, OH

9:08 AM 9:13 AM

Presentation of MAOA Physician in Training Awards for Excellence in Medical Writing

9:14 AM 9:19 AM

**0 Hamlet L. Peterson, MD Award Presentation
Increased Risk of Prosthetic Joint Infection Following Revision Total Knee and Hip Arthroplasty for Aseptic Loosening with the use of Alternative Antibiotics to Cefazolin**

*Joseph Panos, MD, PhD

Rochester, MN

Rafael Sierra, MD

Rochester, MN

Matthew Abdel, MD

Rochester, MN

Cody Wyles, MD

Rochester, MN

9:20 AM 9:25 AM

**1 Edward D. Henderson, MD Award Presentation
Weight Bearing CT Shows Altered Tibiofemoral Loading Following Combined ACL Reconstruction and Meniscus Treatment**

*Travis B. Zhang, BS

Iowa City, IA

Tyce C. Marquez, MS

Iowa City, IA

Richard J. VanTienderen, MD

Iowa City, IA

Shannon F. Ortiz, MPH

Iowa City, IA

Donald D. Anderson, PhD

Iowa City, IA

Brian R. Wolf, MD, MS

Iowa City, IA

9:26 AM 9:31 AM

**2 E. W. Johnson, Jr., MD Award Presentation
One Dislocation is often Just the Beginning: 10-Year Outcomes after Initial THA Dislocations**

*Bailey R. MacInnis, MD

Rochester, MN

Sapheya H. Elhadi, BS

Rochester, MN

Michael J. Taunton, MD

Rochester, MN

Rafael J. Sierra, MD

Rochester, MN

Cody C. Wyles, MD

Rochester, MN

Matthew P. Abdel, MD

Rochester, MN

Charles P. Hannon, MD, MBA

Rochester, MN

9:32 AM 9:37 AM

**3 Carl L. Nelson, MD Award Presentation
GLP-1 Agonists Versus Bariatric Surgery: Which Management Carries Heavier Weight Prior to Total Hip Arthroplasty?**

*Samuel P. Alfonsi III, MD

Chicago, IL

Omar Shalakhti, BS

Chicago, IL

Ajay S. Potluri, BS

Chicago, IL

Alexander J. Acuña, MD

Chicago, IL

Enrico M. Forlenza, MD

Chicago, IL

Elizabeth B. Terhune, MD

Chicago, IL

Robert A. Burnett III, MD

Chicago, IL

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

BREAKOUT SESSION #1
TRAUMA

ROOM: AZALEA A

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

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

11:00 AM	11:05 AM	5	Appropriateness of Patients Transferred with Orthopedic Injuries: A Retrospective Study of A Level Iii Teaching Hospital. *Cameron O'Brien, BS Trevon Jelinek, BS Alec Young, BS Cole Phelps, DO Amar Patel, DO Clint Basener, DO Jeremy Scott, DO	Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK Tulsa, OK
11:06 AM	11:11 AM	6	Precision Matters: Nanoscopy vs. Fluoroscopy for Lateral Tibial Plateau Reduction Majd Mzeihem, MD *Luke Zabawa, MD Yeseop Park, PhD Yazdan Raji, MD Alexander Crespo, MD Farid Amirouche, MD	Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL
11:12 AM	11:17 AM	7	The Impact of NSAIDS vs.. Opioids on Fracture Healing in Weber B and C Ankle Fractures: A Binational Matched Cohort Study *Maggie Head, BA, MS Behrad Bakhtiari Sirjani, BS John Whitaker, MD Salwa Rashid, MD, MPH, PhD Mauricio Parra, MD Rodolfo Zamora, MD	Louisville, KY Louisville, KY Louisville, KY Louisville, KY Santiago, Chile Louisville, KY
11:18 AM	11:23 AM	8	Non-Tobacco Nicotine Dependence and Postoperative Complications Following Operative Fixation of Tibial Shaft Fractures: A Retrospective Cohort Analysis *Alexander N. Berk, MD Maislin Bogart, BS Cyrus F. Eghtedari, BS Logan M. Good, MD Samuel A. Florentino, MD Robert J. Burkhart, MD George Ochenjele, MD Robert J. Wetzel, MD Joshua K. Napora, MD	Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH Cleveland, OH
11:24 AM	11:29 AM	FLOOR DISCUSSION		

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

12:06 PM	12:11 PM	SPOTLIGHT LECTURE <i>Intertrochanteric Femur Fractures</i>	
		Justin C. Siebler, MD Omaha, NE	
12:12 PM	12:17 PM	14	Outcomes of Open Reduction Internal Fixation and Reverse Shoulder Arthroplasty for 3- and 4-Part Proximal Humerus Fractures in Patients Ages 60 and Younger *Megan L. Anderson, BA Rochester, MN Samuel S. Rudisill, MD Rochester, MN Michael D. Baird, MD Rochester, MN Brandon J. Yuan, MD Rochester, MN Michael E. Torchia, MD Rochester, MN John W. Sperling, MD Rochester, MN Jonathan D. Barlow, MD, MS Rochester, MN Mark E. Morrey, MD, MSc Rochester, MN Joaquin Sanchez-Sotelo, MD, PhD Rochester, MN Jennifer Tangtiphaiboonantana, MD Rochester, MN
12:18 PM	12:23 PM	15	Management of 3- and 4-Part Proximal Humerus Fractures in Patients ≤60 Years: Acute Versus Salvage Reverse Shoulder Arthroplasty after Open Reduction and Internal Fixation Megan L. Anderson, BA Rochester, MN Samuel S. Rudisill, MD Rochester, MN Michael D. Baird, MD Rochester, MN Brandon J. Yuan, MD Rochester, MN Michael E. Torchia, MD Rochester, MN John W. Sperling, MD Rochester, MN Jonathan D. Barlow, MD, MS Rochester, MN Mark E. Morrey, MD, MSc Rochester, MN Joaquin Sanchez-Sotelo, MD, PhD Rochester, MN Jennifer Tangtiphaiboonantana, MD Rochester, MN *Zachary Reuter, MD Rochester, MN
12:24 PM	12:29 PM	16	Dorsal Bridge Plating, Volar Plating, or Both? A Retrospective Analysis of Clinical and Radiographic Outcomes of Distal Radius Fracture Fixation Techniques Ryan N. McIlwain, BS Birmingham, AL Robin M. Litten, MS Birmingham, AL Matthew T. Yeager, MD Birmingham, AL Robert Rutz, MD Birmingham, AL Katie Frith, MD Birmingham, AL Jonathan H. Quade, MD Birmingham, AL *Anthony Wilson, MD Birmingham, AL
12:30 PM	12:35 PM	17	Triple Plate Construct in Intraarticular Distal Humerus Fractures *Ryan N. McIlwain, BS Birmingham, AL Robin M. Litten, MS Birmingham, AL Doriann M. Alcaide, MD Birmingham, AL Nigel Blackwood, MD Birmingham, AL Jonathan Quade, MD Birmingham, AL
12:36 PM	12:45 PM	FLOOR DISCUSSION	

BREAKOUT SESSION #2
KNEE ARTHROPLASTY

ROOM: AZALEA B

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

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

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

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

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

BREAKOUT SESSION #3
SPORTS MEDICINE/ARTHROSCOPY

ROOM: GRAND BALLROOM SOUTH

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

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

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

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

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

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

BREAKOUT SESSION #4 PEDIATRICS

ROOM: AZALEA DEF

CO-MODERATOR: **Joshua B. Holt, MD**
Iowa City, IA

CO-MODERATOR: **Amy I. McIntosh, MD**
Dallas, TX

11:00 AM	11:05 AM	44	Outcomes of Displaced Pediatric Lateral Condyle Fractures: Cannulated Screw vs. Kirschner Wire Fixation *Nicholas J. Mangutz, MD Saint Louis, MO William T. Callahan, BA Saint Louis, MO Sivashanmugam Raju, MD Saint Louis, MO
11:06 AM	11:11 AM	45	Implementation of Evidence-Based Forearm and Wrist Treatment Algorithm in a Large Pediatric Orthopedic Department Significantly Decreases Follow-up Burden, Improves Office Efficiency, and Decreases Cost Trinity A. Kronk, BS Rootstown, OH Lorena V. Floccari, MD Akron, OH Amanda Edmonds, MSN, APRN-CNP Akron, OH Arika B. Hull, APRN-CNP Akron, OH Nikki McKenna, PA-C Akron, OH Cara A. Mossides, MSN, APRN-CNP Akron, OH Denise Rapacz, MSN, APRN-CNP Akron, OH *Jessica M. Westfall, MSN, APRN-CNP Akron, OH Richard P. Steiner, PhD Akron, OH Todd F. Ritzman, MD Akron, OH
11:12 AM	11:17 AM	46	In Situ Pinning for Slipped Capital Femoral Epiphysis: Conversion to Total Hip Arthroplasty and Patient Reported Outcomes at Long-Term 20 Years Follow Up *Quinn J. Johnson, MD Rochester, MN Emil Varas, MPH Rochester, MN Anthony Stans, MD Rochester, MN Todd A. Milbrandt, MD Rochester, MN A. Noelle Larson, MD Rochester, MN Mario Hevesi, MD Rochester, MN Rafael J. Sierra, MD Rochester, MN Emmanouil Grigoriou, MD Rochester, MN
11:18 AM	11:23 AM	47	Intentional Versus Unintentional Pediatric Firearm Injuries: Trends and Types of Extremity Trauma *Jack A. Nolte, MD Little Rock, AR Destiny Wilson, BS Little Rock, AR Derek Krinock, MD Little Rock, AR Benjamin Moore, BS Little Rock, AR Eric Siegel, MS Little Rock, AR Deidre Wyrick, MD Little Rock, AR Scott Schoenleber, MD Little Rock, AR
11:24 AM	11:29 AM	FLOOR DISCUSSION	

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

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

BREAKOUT SESSION #5
FOOT & ANKLE

ROOM: AZALEA C

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

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

11:00 AM	11:05 AM	57	Broström with Internal Brace Augmentation Significantly Improves Ankle Stability Measured by the Cumberland Ankle Instability Tool Compared to Broström Without Augmentation *Rachel Bergman, MD Steven M. Hadley, Jr., BA Sarah J. Westvold, MPH Tanya Kukreja, BA Carolyn Hu, BS Ryan Filler, MD Muhammad Mutawakkil, MD Milap Patel, DO Anish R. Kadakia, MD Clayton Welsh, MD	Chicago, IL Chicago, IL New Haven, CT Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL
11:06 AM	11:11 AM	58	Patient-Reported Functional Outcomes Following Charcot Foot Reconstruction Elizabeth Cho, MD Victoria Hodkiewicz, BS Nicole Huang, MD Marina Feffer, MPH Kamran S. Hamid, MD, MPH Adam P. Schiff, MD Michael S. Pinzur, MD *Levy Nathan	Maywood, IL Maywood, IL Maywood, IL Chicago, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL Maywood, IL
11:12 AM	11:17 AM	59	Socioeconomic Deprivation and Preoperative Presentation in Elective Foot and Ankle Surgical Patients in the Southeastern U.S *Tyler N. Kelly, MD Garrett J. Jebeles LaMiah Hall, MD Simon P. Lalehzarian, MD, MHA, MS Keerthi Jaliparthi, MD Rohit Chaparala, BS Emilio Feijoo, MD Binam Shrestha, MBBS	Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL
11:18 AM	11:23 AM	60	Outcomes of Surgical Treatment for Symptomatic Superficial Peroneal Neuromas Terry L. Hayes, MMS Ignacio Garcia Fleury, MD *Joseph A. Buckwalter V, MD, PhD Christopher Cychoz, MD John E. Femino, MD	North Liberty, IA North Liberty, IA North Liberty, IA Eugene, OR North Liberty, IA
11:24 AM	11:29 AM	FLOOR DISCUSSION		

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

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

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

FRIDAY, APRIL 17

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

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

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

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

SECOND PLENARY SESSION

ROOM: GRAND BALLROOM SOUTH

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

7:45 AM 7:50 AM Assemble/Announcements

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

Matthew J. Teusink, MD | Moderator
Omaha, NE

Nicholas H. Maassen, MD
Chicago, IL

Michael Cusick, MD
Houston, TX

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

J. Lawrence Marsh, MD
Iowa City, IA

8:53 AM 9:23 AM Ask the Expert & Open Case Discussions
Complex Primary Knee Arthroplasty Casesin

Moderator Christopher M. McAndrew, MD | St. Louis, MO

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

Rick Wright, MD
Nashville, TN

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

Brian R. Wolf, MD
Iowa City, IA

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

**BREAKOUT SESSION #6
HIP ARTHROPLASTY**

ROOM: GRAND BALLROOM SOUTH

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

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

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

11:05 AM	11:10 AM	74	The Effect of Dual Mobility Articulations on Re-Revision after Revision for Dislocation *Mazen Zamzam, BS Noah Hodson, MD Richard Hughes, PhD Qi Zhu, PhD Huiyong T. Zheng, PhD Brian Hallstrom, MD Michael Charters, MD	Detroit, MI Detroit, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Detroit, MI
11:11 AM	11:16 AM	75	Enhancing Preoperative Planning in Total Hip Arthroplasty with Machine Learning - Driven Risk Models Jayalakshmi Jain MS Jibreel Hussain MBA Nezar Abunnur BS Apurva Choubey MD Esa Syed, BS Malyika Hussain BS Yasser R. Farid MD PhD Mark H. Gonzalez MD PhD	Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL
11:17 AM	11:22 AM	76	Alarming High Rates of Complications and Re-Fracture Among Patients with Early Periprosthetic Fracture within 30-Days of Total Hip Arthroplasty *Alexander J. Acuña, MD Enrico M. Forlenza, MD Conor M. Jones, MD E. Bailey Terhune, MD Craig J. Della Valle, MD	Chicago, IL Chicago, IL Chicago, IL Chicago, IL Chicago, IL
11:23 AM	11:28 AM	77	Total Hip Arthroplasty in the Adolescent and Young Adult Patient: A Retrospective Review *Mateo J. Kirwan, MD Nuanqiu X. Hou, MS John R. Crockarell, MD James L. Guyton, MD Christopher T. Holland, MD, MS William M. Mihalko, MD, Ph.D.	Memphis, TN Memphis, TN Memphis, TN Memphis, TN Memphis, TN Memphis, TN
11:29 AM	11:34 AM	78	Incidence of Early Peri-Prosthetic Hip Fractures in Patients Over Age 70 Following Primary THA Using a Novel Triple-Tapered Collared Femoral Stem: A Multi-Center Study *Nolan Sledge Smith, MD Arthur L. Malkani Jeremy M. Gililand , MD Geoffrey H. Westrich, MD Karlos Zepeda, DO, MS Abid Khan, BS Andrew Grimm, BS Preston Willey, BS Nikhil Vallabhaneni Seth A. Jerabek, MD	Louisville, KY Louisville, KY Salt Lake City, UT New York, NY New York, NY Louisville, KY Louisville, KY Salt Lake City, UT Salt Lake City, UT New York, NY
11:35 AM	11:40 AM	FLOOR DISCUSSION		

11:41 AM 11:46 AM **SPOTLIGHT LECTURE**

Title

David C. Markel, MD

Novi, MI

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

BREAKOUT SESSION #7
SHOULDER & ELBOW

ROOM: BEACHSIDE

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

CO-MODERATOR:

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

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

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

11:59 AM	12:04 PM	94	Strong Correlation of PROMIS Upper Extremity and Shoulder Arthroplasty Smart Score to Legacy Measures in Shoulder Arthroplasty Patients	
			Johnny Kasto, MD	Detroit, MI
			Kai Zhu, BS	Detroit, MI
			Chimdi Obinero, BS	Detroit, MI
			Wura Adegbite, BA	Detroit, MI
			Anton Khlopas, MD	Detroit, MI
			Mahdi Mazeih, BS	Detroit, MI
			Jared Mahylis, MD	Detroit, MI
			Stephanie Muh, MD	Detroit, MI
			*Drew Dalby	Detroit, MI
12:05 PM	12:10 PM	95	Comparable Surgical Outcomes in Younger and Older Patients Undergoing Primary Shoulder Stabilization Surgery: A Retrospective Review	
			*Benjamin L. Brej	Columbus, OH
			Elijah Barnard	Columbus, OH
			Anna Osborne	Columbus, OH
			Brent Henderson	Columbus, OH
			George Matta	Columbus, OH
			Collin Todd	Columbus, OH
			Gregory Cvetanovich, MD	Columbus, OH
12:11 PM	12:15 PM	FLOOR DISCUSSION		

BREAKOUT SESSION #8
SPINE

ROOM: AZALEA DEF

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

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

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

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

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

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

ROOM: AZALEA C

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

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

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

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

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

**BREAKOUT SESSION #10
HAND & WRIST**

ROOM: AZALEA B

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

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

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

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

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

BREAKOUT SESSION #11
INNOVATION/MEDICINE & PRACTICE MANAGEMENT

ROOM: AZALEA A

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

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

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

11:05 AM	11:10 AM	139	A New Classification for Heterotopic Ossification Following Periacetabular Osteotomy with and without Concomitant Hip Arthroscopy *Sergio F. Guarin Perez, MD Ta-Wei Tai, MD, PhD Diego J. Restrepo, MD Adrian E. Gonzalez-Bravo, BS Onur Hapa, MD Rafael J. Sierra, MD	Rochester, MN Rochester, MN Rochester, MN Rochester, MN Izmir, Turkey Rochester, MN
11:11 AM	11:16 AM	140	Safety of Antibiotic Impregnated Calcium Sulfate Beads in the Treatment of Hip and Knee Infection: A Retrospective Analysis Sydney Lovins, MD *Charalampos Lyssikatos, MD Mary Ziemba-Davis, BA Leonard T. Buller, MD	Indianapolis, IN Indianapolis, IN Fishers, IN Indianapolis, IN
11:17 AM	11:22 AM	141	Preoperative Optimization in Total Joint Arthroplasty: A 5-Year Review Adam English, CNP *Ryan Cady, MS John Reimer CNP Thomas Lewandowski PA-C Matthew Fleming PA-C Erik Severson, MD	Crosby, MN Crosby, MN Crosby, MN Crosby, MN Crosby, MN Crosby, MN
11:23 AM	11:28 AM	142	Burnout in Orthopedic Surgery: A Systematic Review and Meta-Analysis *Michael W. Seward, MD Jack A. Koch, MD Charles P. Hannon, MD, MBA Peter C. Rhee, DO, MS Christopher L. Camp, MD Jonathan D. Barlow, MD	Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN Rochester, MN
11:29 AM	11:34 AM	143	Streamlining the Orthopedic Co-Management Process: Identifying Key Predictors for Admission to Medicine or Escalation of Care *Krishna V. Suresh Diane Ghanem Anagh Astavans Sanjana Agarwal Babar Shafiq	Baltimore, MD Baltimore, MD Baltimore, MD Baltimore, MD Baltimore, MD
11:35 AM	11:40 AM	FLOOR DISCUSSION		
11:41 AM	11:46 AM	SPOTLIGHT LECTURE <i>Title</i>		
		Charlie P. Hannon, MD, MBA Rochester, MD		
11:47 AM	11:52 AM	144	The High Prevalence of Spin Bias in Systematic Reviews and Meta-Analyses on Intra-Articular PRP Injections for Knee Osteoarthritis *Genaro D. Fullano, MS, ATC Michael Greenstein Emma Klosterman, MD Matthew Hartwell, MD	Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI Ann Arbor, MI

11:53 AM	11:58 AM	145	Does A Relationship Exist Between Lumbar Movement Control, Pelvic Incidence, and Patient Reported Outcomes in Hip Pain Patients? A Prospective Pilot Study Craig Mahoney, MD Shannon Petersen, DScPT, OCS, FAAOMPT Alisa Drapeaux PhD, DPT, ATC *Shandhan Sureshababu, MS	Des Moines, IA West Des Moines, IA West Des Moines, IA West Des Moines, IA
11:59 AM	12:04 PM	146	Elective Orthopedic Procedure Cancellations within 24 Hours: Are They A Problem? LaMiah Hall, MD Marc Bernstein, MD Garrett Jebeles Ben Marquess Simon Lalehzarian, MD Tyler Kelly, MD Payal Gupta, MD Binam Shrestha, MD *Erdi Özdemir, MD	Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL
12:05 PM	12:10 PM	147	Just give'em Ancef: Safety of Administration of Cefazolin in Orthopedic Patients with Severe Penicillin Allergy *Krishna V. Suresh Anirudh Buddhiraju Diane Ghanem Anagh Astavans Sanjana Agarwal Harpal S. Khanuja Vishal Hegde	Baltimore, MD Baltimore, MD Baltimore, MD Baltimore, MD Baltimore, MD Baltimore, MD Baltimore, MD
12:11 PM	12:16 PM	FLOOR DISCUSSION		
12:45 PM	1:45 PM	Company-Sponsored Lunch/Presentation <i>(no CME offered)</i> BEACHSIDE		
1:45 PM	4:15 PM	Foundation for Physician Advancement Presentation for Residents <i>(no CME offered)</i> AZALEA C		
6:30 PM	7:30 PM	STEEL MEMORIAL LECTURE <i>(no CME offered)</i> GRAND BALLROOM SOUTH MAOA Presidential “changing of the guard” Ceremony Introduction of Steel Memorial Lecturer		
6:40 PM	7:30 PM	STEEL MEMORIAL LECTURE <i>(no CME offered)</i> <i>Keeping Collegiate Culture in a New Pro World</i> Jan Jensen Iowa City, IA		
7:30 PM	10:00 PM	FRIDAY DINNER		

SATURDAY, APRIL 18

6:00 AM 1:00 PM Registration Desk Open
Assembly Foyer

6:00 AM 12:00 PM Speaker Ready Room Open
Magnolia 1

7:00 AM 8:00 AM **E-POSTER SESSIONS 9 – 12**

LOCATION:	AZALEA DEF BO #12 Hand & Wrist	AZALEA C BO #13 Hip & Knee Arthroplasty	AZALEA A BO #14 Trauma	AZALEA B BO #15 Sports Arthroscopy
-----------	---	---	-------------------------------------	---

THIRD PLENARY SESSION

ROOM: GRAND BALLROOM SOUTH

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

8:00 AM 8:05 AM Assemble/Announcements

8:06 AM 8:21 AM AAOS Report *(no CME offered)*

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

Kyle Duchman, MD | Moderator
Iowa City, IA

The Lateral Side
Bopha Chrea, MD
Iowa City, IA

The Medial Side
Alex Vlasek, MD
Rochester, MN

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

Michael S. Pinzur, MD
Maywood, IL

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

9:34 AM 9:37 AM **MRG Presentation** Jack Nolte, MD

9:38 AM 9:41 AM **MRG Presentation** Patrick O'Brien, MD

9:42 AM 9:45 AM **MRG Presentation** Bryant Song, MD

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

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

10:25 AM 10:55 AM **Coffee Break in Exhibit Hall**
Grand Ballroom North

BREAKOUT SESSION #12
SPORTS MEDICINE/ARTHROSCOPY

ROOM: AZALEA C

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

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

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

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

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

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

BREAKOUT SESSION #13
TRAUMA

ROOM: AZALEA B

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

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

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

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

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

12:43 PM	12:48 PM	178	Identifying Risk Factors for 30-Day Readmission after Hip Fracture Surgery	
			Alexander Driessche, MSE	Detroit, MI
			Phillip McKegg	Detroit, MI
			Kashif Javid	Detroit, MI
			Elizabeth Turner, MD	Detroit, MI
			Kate L Fitzgerald, MD	Detroit, MI
			Suhas Nagappala	Detroit, MI
			William M Hakeos, MD	Detroit, MI
			Joseph Hoegler, MD	Detroit, MI
			Stuart T Guthrie, MD	Detroit, MI
			Lindsay M Maier, MD	Detroit, MI
			*Muhammad Abbas, MD	Detroit, MI
12:49 PM	12:54 PM	179	Acetabulum Fracture Pattern Influence on Risk for Conversion Total Hip Arthroplasty: A Large, Comparative Database Study	
			Logan M. Good, MD	Cleveland, OH
			Andrew J. Moyal, MD	Cleveland, OH
			Alexander N. Berk, MD	Cleveland, OH
			Jeremy M. Adelstein, MD	Cleveland, OH
			*Robert J. Burkhart, MD	Cleveland, OH
			Samuel A. Florentino, MD	Cleveland, OH
			Margaret A. Sinkler, MD	Cleveland, OH
			George Ochenjele, MD	Cleveland, OH
			Joshua K. Napora, MD	Cleveland, OH
			Robert J. Wetzel, MD	Cleveland, OH
12:55 PM	1:00 PM		FLOOR DISCUSSION	

**BREAKOUT SESSION #14
ONCOLOGY**

ROOM: AZALEA DEF

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

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

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

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

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

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

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

ROOM: GRAND BALLROOM SOUTH

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

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

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

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

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

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

**BREAKOUT SESSION #16
ARTHROPLASTY SHOULDER**

ROOM: BEACHSIDE

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

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

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

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

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

12:49 PM	12:54 PM	227	Evaluating Post-Operative Outcomes of “On-Track”, “Near-Track”, and “Off-Track” Shoulders via Pre-Operative Imaging of Latarjet Patients in the Moon Shoulder Instability Cohort	
			Cara L. Arrasmith, BS	Iowa City IA
			Julie Y. Bishop, MD	Columbus, OH
			Shannon Ortiz, MPH	Iowa City , IA
			Carolyn M. Hettrich, MD, MPH	Watertown, NY
			Natalie Glass, PhD	Iowa City, IA
			MOON Shoulder Group	Iowa City, IA
			Brian R. Wolf, MD, MS	Iowa City, IA
			*Richard VanTienderen DO	Iowa City, IA
12:55 PM	1:00 PM		FLOOR DISCUSSION	

BREAKOUT SESSION #17
TOPICS IN TRAINING & TECHNOLOGY

ROOM: AZALEA A

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

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

10:55 AM	11:00 AM	228	A Comparative Assessment of Orthopedic Training Methods	
			*Jared J. Hill, MS	Iowa City, IA
			Steven A. Long, PhD	Iowa City, IA
			Domonik D. Mattioli, PhD	Iowa City, IA
			Marcus Tatum, MS	Iowa City, IA
			Donald D. Anderson, PhD	Iowa City, IA
			Geb W. Thomas, PhD	Iowa City, IA
			Heather R. Kowalski, MD	Iowa City, IA
			Kyle R. Duchman, MD	Iowa City, IA
			Matthew D. Karam, MD	Iowa City, IA
11:01 AM	11:06 AM	229	Institutional Predictors of Orthopaedic Surgery Residency Match Success: A Five-Year National Analysis	
			*Sia Cho	Chicago, IL
			Justin Lee, MD	Newark, NJ
			Freddy Jacome, MD	Boston, MA
			Matthew Weintraub	Newark, NJ
			Isaac E. Kim, Jr, MD, PhD	Newark, NJ
			Avani Chopra, MD	Chicago, IL
			Frances Akwuole, MD	Chicago, IL
			Owen Lema	Chicago, IL
			Yianni Bakaes, MD	Chicago, IL
			Wellington Hsu, MD	Chicago, IL
11:07 AM	11:12 AM	230	Upper Extremity Injuries in Commercial Salmon Fishing Across Gear Types	
			*Mason A. Keffalos	Omaha, NE
			Jacob Christopher	Omaha, NE
			Ranjan Gupta, MD, FAAOS, FAOA	Omaha, NE
11:13 AM	11:18 AM	231	Trends in Research Gap Years in Orthopedic Residency Applicants	
			Jack H. Drake, BS	Madison, WI
			*Collin N. Nguyen, BS	Madison, WI
			Andrea M. Spiker, MD	Madison, WI
			A. Neil Salyapongse, MD	Madison, WI
			Brian F. Grogan, MD	Madison, WI
			Kathryn L. Williams, MD	Madison, WI
			Eric J. Cotter, MD	Madison, WI
11:19 AM	11:24 AM	FLOOR DISCUSSION		

11:25 AM	11:30 AM	232	From Posts to Patients: The Influence of Social Media Content on Hand Surgeon Ratings *Antonio Da Costa, BS Jacob Calpey, BS Aghdas Movassaghi, BS Jehad Feras AlSamhori, MD Stephen Lancia, BS Jason Pieri, BS Nathan Flothe, BS Payton Y. Hansen, BS Vani Sabesan, MD	Boca Raton, FL Boca Raton, FL East Lansing, MI Amman Boca Raton, FL Boca Raton, FL Boca Raton, FL Boca Raton, FL Atlantis, FL
11:31 AM	11:36 AM	233	Performance of Prevent, A Novel Negative Pressure Wound Therapy Filler on Contracture Meera Dhodapkar, MD, MHS Karim Nathani, MBBS, MS *Joe Hilsman James Coleman Fleming Mohamed Sarraj, MD Michael S Shuler, MD Brett Freedman, MD	Rochester, MN Rochester, MN Athens, GA Athens, GA Rochester, MN Athens, GA Rochester, MN
11:37 AM	11:42 AM	234	Immersive Virtual Reality Improves Medical Student Confidence and Orthopaedic Skills Elizabeth Chan, BS Aghdas Movassaghi, BS Lana Smith Matthew McKinley, MBA Roya Osswald *Jocelyn Lubert, MD Vani J Sabesan, MD	Lillington, NC Grand Rapids, MI Athens, GA Davie, FL Gainesville, FL Atlantis, FL Atlantis, FL
11:43 AM	11:48 AM	235	Novel Utilization of H-Plates in Treatment of Posterior Wall Components of Acetabular Fractures Ryan N. McIlwain, BS Robin M. Litten, MS Anjali Malhotra, MPH Nigel Blackwood, MD Doriann M. Alcaide, MD Jared Halstrom, MD Clay A. Spitler, MD *Joseph P. Johnson, MD	Birmingham, AL Birmingham, AL Syracuse, NY Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL Birmingham, AL
11:49 AM	11:54 AM	FLOOR DISCUSSION		
11:55 AM	12:00 PM	SPOTLIGHT LECTURE <i>Title</i> Brandi R. Hartley, MD Ann Arbor, MI		

12:01 PM	12:06 PM	236	The Rising Influence and Role of Research Gap Years and Summer Programs in Orthopedic Surgery Residency Match Success – A Systematic Review	
			*Luke Molitor, MS	Cleveland, OH
			Thriaksh Rajan	Cleveland, OH
			Christian J. Hecht II, MD	Omaha, NE
			Joshua R. Porto, MS	Cleveland, OH
			Atul F Kamath, MD	Cleveland, OH
12:07 PM	12:12 PM	237	Research Quality vs. Quantity as Predictors of Match Success in Orthopedic Surgery Residency	
			Sia Cho	Chicago, IL
			Freddy Jacome, MD	Boston, MA
			Avani Chopra	Chicago, IL
			Justin Castonguay	Chicago, IL
			Justin Lee	Newark, NJ
			Hadeal Mansour	Cairo, Egypt
			*Frances Akwuole	Chicago, IL
			Matthew Weintraub	Newark, NJ
			Vincent Parise	Chicago, IL
			Alfonso Mejia, MD	Chicago, IL
12:13 PM	12:18 PM	238	Name, Image, and Likeness (NIL) Influences Adolescent Athletes' Disclosure of Health Information	
			*Emily Jones, MS	Columbus, GA
			Daniel Gentry, MD	Fresno, CA
			Nathan Li, MD	Columbus, GA
			Derek Woessner, MD	Columbus, GA
			Andy Grubbs	Columbus, GA
			Brad Young, MD	Columbus, GA
			Champ Baker III, MD	Columbus, GA
			Brent Ponce, MD	Columbus, GA
12:19 PM	12:24 PM	239	Increased Utilization of Assistive Reproductive Technologies Amongst Female Orthopedists	
			*Sarah N. Powell, MD	Omaha, NE
			John C. Hunting, MD, MPH	Winston-Salem, NC
			Elizabeth Lieberman, MD	Portland, OR
			Sara Putnam, MD	Omaha, NE
12:25 PM	12:30 PM	FLOOR DISCUSSION		
12:31 PM	12:36 PM	240	Tuning In: Exploring the Impact of Orthopaedic Podcasts on Learning and Engagement	
			Julio Vandama, BS	Boca Raton, FL
			*Aghdas Movassaghi, BS	Detroit, MI
			Jehad Feras AlSamhori, MD	Amman
			Elisheva Knopf, BS	Boca Raton, FL
			Jocelyn Lubert, MD	Sint Maarten
			Vani Sabesan, MD	Atlantis, FL

12:37 PM	12:42 PM	241	Off-Grid Augmented Reality as A Method for First-Time Performance of Orthopedic Surgical Procedures by Novice Medical Specialists in A Rural Environment	
			*Benjamin J. Van Bockern	Sioux Falls, SD
			Kyler A. Hardie, MD	Fargo, ND
			Nathan W. Skelley, MD	Sioux Falls, SD
12:43 PM	12:48 PM	242	Exploring Barriers to Female Medical Student Involvement in orthopaedics	
			*Mazie Atteberry	Omaha, NE
			Annemarie Leonard, MD	Omaha, NE
			Olivia Thomas, MD	Omaha, NE
			Sara Putnam, MD	Omaha, NE
12:49 PM	12:54 PM	243	The Assessment of Trends in Female Representation Among Orthopedic Surgery Residency Programs in the United States	
			*LaMiah Hall, MD	Birmingham, AL
			Garrett J. Jebeles, BS	Birmingham, AL
			Simon P. Lalehzarian, MD, MHA, MS	Birmingham, AL
			Tyler N. Kelly, MD	Birmingham, AL
			Marc H. Bernstein, MD, MS	Birmingham, AL
			Margaret Fisher, MD	Birmingham, AL
			Ellie Starnes, MD	Birmingham, AL
			Payal Gupta, MBBS	Birmingham, AL
12:55 PM	1:00 PM	FLOOR DISCUSSION		