



AGENDA

Wi-Fi: Westin Guest Network Password: No Password is Required

		Location
7:00 am	Registration/Breakfast with Exhibitors and Poster Review	Prefunction Ballroom Area
7:30 am	Welcome by MOS President and Introduction of Meeting Co-Chairs <i>Paul Lafferty, MD, President, Minnesota Orthopaedic Society</i>	George W. Baird Ballroom
	Course Directors: <i>Krystin Hidden, MD, Mayo Clinic</i> <i>Kristin Karim, MD, Mayo Clinic</i> <i>Mahad Hassan, MD University of Minnesota</i>	
7:35 am	Legislative Panel: Moderator: Chad Griffith, MD <i>Sen. Kelly Morrison, Rep. Robert Bierman, Rep. Steve Elkins, Sen. Bill Lieske (invited)</i>	
8:15 am	Introduction of Presidential Speaker	
8:20 am	Presidential Lecture: The Adventure from Predictably Bad to Predictably Good Results in Complex Arthroplasty Surgery: Lessons for Today's Unsolved Orthopaedic Problem(s)! <i>Daniel Berry, MD</i> <i>Orthopedic Surgeon</i> <i>Mayo Clinic</i>	
9:10 am	Question and Answer Session	
9:15 am	Coffee Break with Exhibitors and Poster Review (9:15-9:50 am)	Prefunction Ballroom Area
9:50 am	MOS-50th Year Anniversary <i>James House, MD</i>	
10:15 am	AAOS Advocacy & Involvement Sessions <i>Annunziato "Ned" Amendola, MD, FAAOS</i> <i>Professor, Department of Orthopedic Surgery</i> <i>Division Chief for Sports Medicine</i> <i>Duke University</i> <i>1st Vice-President of the AAOS</i>	
10:45 am	Introduction of Heritage Lecture	
10:50 am	Physician Wellness: The Way I See It. What Do You See? <i>Jeffrey M. Smith, MD, FACS, FAAOS</i> <i>Orthopaedic Traumatologist,</i> <i>Orthopaedic Trauma & Fracture Specialists Medical Corporation</i> <i>Founder of SurgeonMasters</i>	
11:20 am	Question and Answer Session	

11:25 am	MOS Members-Only Business Meeting & Presidential Update <i>Paul Lafferty, MD, President, Minnesota Orthopaedic Society</i> <i>Legislative Update: Chad Fahning, MOS Lobbyist</i> <i>AAOS Pac: Bradley Kuzel, MD</i>	
11:50 pm	Lunch with Exhibitors and Poster Review (11:50 am- 1:00 pm)	Prefunction Ballroom Area/Cahill Ballroom
1:00 pm	Introduction of Award-Winning Abstracts	George W. Baird Ballroom
1:05 pm	OREF Ed McElfresh Best Resident Abstract Award Presentation: Outcomes of geriatric hip fracture patients with associated proximal humerus fractures. Does surgical treatment of the proximal humerus lead to improved mobility? <i>Nicholas Reiners, MD</i>	
1:10 pm	OREF Ed McElfresh Best Resident Abstract Award Presentation: Impact of Intraoperative Periprosthetic Fractures During Cemented Hemiarthroplasty for Femoral Neck Fractures. <i>Ankur Khanna, B.S.</i>	
1:15 pm	Break and Move to Breakout Rooms Visit With Exhibitors (1:15-1:30 pm)	Prefunction Ballroom Area

Session 1 Breakout: (1:30-1:55 pm)

Arthroplasty: Moderator Daniel Berry, MD
George W. Baird Ballroom

Pediatrics: Moderator: Allison Dittmer, MD
Cahill Ballroom

1:30 pm	Interaction and Prevalence of Total Hip Arthroplasty in Sacroiliac Joint Fusion Patient Population: <i>Dustin J. Kress, MA</i>	Development of a Minimally Invasive Piglet Model of Legg Calve-Perthes Disease: <i>Susan A. Novotny</i>
1:34 pm	Variation in Patient Reported Outcomes of Total Joint Arthroplasty Based on Surgeon Fellowship Training and Years in Practice: William Kamm, BS	Iatrogenic Intraoperative Fracture in Patients with Osteogenesis Imperfecta : <i>T.J.Pottinger</i>
1:38 pm	Patient Level Value Analysis (PLVA) These in Total Hip Arthroplasty and Total Knee Arthroplasty: Evaluating a 1 year Episode of Care: <i>Lily J. Qian, BA, BSB</i>	Does the Addition of Proximal Femoral Epiphysiodesis in Neuromuscular Hips Improve Caput Valgum: <i>Julia Todderud</i>
1:42 pm	Impact of Leg Position on Measurements used To Detect Femoral Component Subsidence in Direct Anterior Total Hip Arthroplasty: <i>Elizabeth Kaji, BA</i>	Hyperselective Neurectomy for Spastic Equinus Deformity in Pediatric Patients with Upper Motor Neuron Injury: <i>Lainey G. Bukowiec, MD</i>
1:46 pm	Patient-Reported Outcomes and Minimum Clinically Important Difference after PRP Injection for Knee Osteoarthritis: <i>Rebekah M Kleinsmith, MD</i>	Quantitative MRI May Help Detect Bone Repair in a Piglet Model of Legg-Calve-Perthes Disease: <i>Ashton Amann, DVM, PhD</i>
1:50 pm	Questions and Answers	Questions and Answers

Session 2: Breakout (2:00 2:25 pm)

Sports Part 1: Moderator Ryan Fader, MD
George W. Baird Ballroom

2:00 pm	Clinical and Radiographic Outcomes of Knee Cartilage Restoration Surgery in Patients with Inflammatory Arthropathy: <i>Charles Holliday, MD</i>
2:04 pm	Keeping Biologics Hip: Patient-Reported Outcomes after Platelet-Rich Plasma Injections into the Gluteal and Proximal Hamstring Tendons: <i>Rebekah M Kleinsmith, MD</i>
2:08 pm	Long- Leg Lateral Monopodal Stress Radiographs for the Assessment of Anterior Tibial Translation with Anterior Cruciate Ligament Injury: A Retrospective Study: <i>Luke V. Tollefson, BS</i>
2:12 pm	Development of a Natural Language Processing Model for Hip Preservation Operative Notes: <i>Andrew Sibley, BS</i>
2:16 pm	Postoperative Patient Reported Outcomes are Similar Between Isolated ACLR and the new "Terrible Triad". ACLR with Concurrent Meniscal Lateral Root and Medial Ramp Repairs: <i>Evan P. Shoemaker, BA</i>
2:20 pm	Questions and Answers

Trauma Part 1: Moderator Krystin Hidden, MD
Cahill Ballroom

Hip Fracture Patterns, Hospital Course, and Mortality Differ Between Males and Females: <i>Kendra Kibble, MD, JD</i>
Salvage of Failed Subtrochanteric Fracture Fixation in The Elderly: Revision Internal Fixation or Hip Arthroplasty? <i>Ankur Khanna, B.S</i>
Comparison of Operative and Non-Operative Management of Elderly Fragility Pelvic Ring Fractures: <i>Riley Swenson, BA</i>
Comparison of Outcomes by Nail Length for Intertrochanteric Femur Fractures: <i>Sarah Wolff, BS</i>
High-Value Cephalomedullary Nail Fixation for Intertrochanteric and Subtrochanteric Fractures: A Matched Cohort Study: <i>Rebekah Kleinsmith, MD</i>
Questions and Answers

Session 3: Breakout (2:30 2:55 pm)

Hand: Moderator Kristin Karim, MD
George W. Baird Ballroom

2:30 pm	Pinch strength of Patients with Carpometacarpal Arthritis and its Concomitant Conditions: <i>Olivia Keller</i>
2:34 pm	Effect of Handedness on Patient-Reported Outcomes after Operative Treatment of CMC Arthritis: <i>Andrew Sibley, BS</i>
2:38 pm	Minimum Clinically Important Difference in Operative Treatment of CMC Arthritis: Do Patients Expectations Change with Time? <i>Andrew Sibley</i>
2:42 pm	Investigating Normative Measurements of the Thumb and Index Finger to Aid in Reconstructive Surgery: <i>Lucas J Ray, MD</i>

Spine Part 1: Moderator Ryan Hoel, MD
Cahill Ballroom

How Common are Lumbosacral Fusions in Primary Total Hip Arthroplasty Patients? A Radiographic Review: <i>Neill Hatcher, BS</i>
Unilateral Versus Bilateral Pedicle Screw Fixation with Anterior Lumbar Interbody Fusion: A Comparison of Postoperative Outcomes: <i>Brian E. Kelley</i>
Does Postoperative L4-S1 Lordosis Influence Outcomes after 1-2 Level Lower Lumbar Fusion? <i>Neill Hatcher, BS</i>
The Learning Curve for Pelvic Fixation with the Bedrock Technique: <i>Jason Haselhuhn, DO</i>

2:46 pm	Seasonal Variation Effects on Incidence of Operatively-Treated Distal Radius Fractures: <i>Rebekah Kleinsmith, MD</i>	Simulated Durotomy Repair for Surgical Trainees: <i>Lainey G. Bukowiec, MD</i>
2:50 pm	Questions and Answers	Questions and Answers

Session 4: Breakout (3:00 3:25 pm)

Sports Part 2 : Moderator Mahad Hassan, MD
George W. Baird Ballroom

Trauma Part 2: Moderator Jeffrey Smith, MD
Cahill Ballroom

3:00 pm	Supratubercle Anterior Closing Wedge Osteotomy: No Change in Patellar Height and Significant Decreases in Anterior Tibial Translation at Six Months Postoperatively: <i>Luke V. Tollefson, BS</i>	Pilon Fracture Outcomes: <i>Anna Lundeen, MD</i>
3:04 pm	Sports Medicine vs. Shoulder Fellowship Trained Orthopaedic Surgeons: Procedural Costs and Operative Time in Rotator Cuff Repair Surgery: <i>Mariah N. Wegner, BS</i>	Immediate Weightbearing Through Walker or Crutches after Surgical Fixation of Clavicle Fractures in Patients with Lower Extremity Fractures: A Retrospective Cohort Study: <i>Nicholas Frane, DO</i>
3:08 pm	Characterization of Patients with Excessive External Tibial Torsion after Distal Tibial Derotational Osteotomy with Mean Follow up Of 22 Months: <i>Spencer M. Comfort, MD</i>	Patient Reported Outcomes of Surgical Stabilization of Rib Fractures Utilizing an Electronic Platform Outside of Clinic Follow-up: <i>Riley Swenson, BA</i>
3:12 pm	Outcomes of Anterior Cruciate Ligament Reconstruction in Competitive Ice Hockey Players: Outcomes, Reoperations, and Return To Play at 7 Years Mean Follow Up: <i>Sean C. Clark, MS</i>	Who is More Likely to Leave Positive or Negative Comments in Orthopedic Trauma? <i>Andrew C Sibley, BS</i>
3:16 pm	Questions and Answers	3:16 pm Questions and Answers

Session 5: Breakout (3:25 3:55 pm)

Shoulder and Elbow: Moderator L. Pearce McCarty , MD
George W. Baird Ballroom

Spine Part 2: moderator Paul Huddleston, MD
Cahill Ballroom

3:25 pm	Combined Fractional Lengthening and Hyperselective Neurectomy for Triceps Spasticity in Upper Motor Neuron Injury: <i>Lainey G Bukowiec, MD</i>	Reliability of Planned Versus Actual Iliosacral Screw Trajectory Using Intra-operative 3D CT and Image Guidance: <i>Vasil V. Kukushliev, MD</i>
3:29 pm	ASES Scores after Surgical Management of Anterior Bankart Lesions: <i>Stephen A. Doxey, DO</i>	Pelvic Incidence Changes with Adult Deformity Correction: Is Intraoperative Measurement Needed? <i>Dustin Kress, MA</i>
3:33 pm	Immediate Accelerated Shoulder Rehabilitation vs a Standard Protocol Following Reverse Total Shoulder Arthroplasty: Prospective Randomized Controlled Trial: <i>Michael Walsh, MD</i>	Limb Length Discrepancy Rate in Patients Undergoing Spinal Fusion: <i>Thomas Warfield Jr., BS</i>

3:37 pm	Shoulder-Pacemaker for the Use of Recalcitrant Shoulder Conditions: A Patient Survey: <i>Regan Carlson, MS2</i>	Perioperative Change In Bone Quality Following Posterior Cervical Fusion and it's Effects on Postoperative Outcomes: <i>Caden J. Messer, BS</i>
3:41 pm	Clinical Outcomes of Olecranon Osteotomy Fixation: <i>Ankur Khanna, B.S.</i>	Sacropelvic Fixation with Porous Fusion/Fixation Screws: A Retrospective Review: <i>Jason Haselhuhn, DO</i>
3:45 pm	Questions and Answers	Questions and Answers

Adjourn: 3:50 pm

Posters

Author	Poster Title
<i>Sriya Byrapuneni, BS</i>	Impact of Social Determinants of Health on Hip Surveillance in Children with Cerebral Palsy
<i>Adam Hadro, MD</i>	Cost Drivers for Single-Tendon Rotator Cuff Repair: Day-of-Surgery Time-Driven Activity-Based Costing Analysis
<i>Austin F Grove</i>	Deep Learning Characterization of Knee Radiographs for Large-Scale Registry Creation
<i>Austin Grove</i>	Characterizing Hip Joint Morphology Using a Multitask Deep Learning Model
<i>Connor C. Ott, BA</i>	Patient-Reported and Radiographic Outcomes Evaluation of First Tarsometatarsal Arthrodesis Using an Intramedullary Nail: A Consecutive Case Series
<i>Elizabeth Kaji BA</i>	An Algorithm for Automated Femoral Leg Length and Offset Calculations on Pelvis Radiographs
<i>Elizabeth Kaji BA</i>	Flexible Deep Learning Tools for Automated Segmentation of Knee Radiographs
<i>Grace Olson</i>	Growth Hormone–Releasing Peptides to Improve Body Composition in Healthy Adults: A Systematic Review
<i>Helen Huettelman, MD</i>	Where’s the Leak? Identifying Trends in Representation in the Educational Pathway to Orthopedics
<i>Indraneel Brahme MD</i>	The Scapular “Spike Sign”, An X-Ray Proxy for Surgical Indications
<i>Indraneel Brahme MD</i>	The “Rack-of-Ribs” Deformity, Reconstruction of Chronically Bayoneted Ribs Interfering with Scapulothoracic Excursion
<i>Indraneel S. Brahme MD</i>	The Scapular Skiver Screw: A Useful Fixation Technique for Inferior Glenoid and Scapular Neck Fractures
<i>Julia Todderud, BA</i>	Maintaining Motion in Non-Fusion Scoliosis Surgery: Vertebral Body Tethering versus Posterior Dynamic Distraction
<i>Julia Todderud, BA</i>	Casting Hurts! 8 Times Higher Complications for Casting Versus Splinting of Torus Fractures
<i>Julia Todderud, BA</i>	Classification Of Pediatric Radiographs for Scoliosis Etiology: Congenital, Idiopathic, Or Neurogenic Differentiation Via Artificial Intelligence
<i>Julia Todderud, BA</i>	Impact Of Cobalt Chromium Rod Diameter on the Sagittal Plane Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis
<i>Kari Odland DAT, LAT, ATC</i>	Spinopelvic Fixation Failure in the Adult Spinal Deformity Population: Systematic Review and Meta-Analysis
<i>Lily Qian BA, BSB</i>	Orthopedic Surgical Procedures in Patients Supported with Long-Term Implantable Left Ventricular Assist Devices
<i>Lily Wood MD</i>	The Prevalence and Severity of the Imposter Phenomenon in United States and New Zealand Orthopaedic Surgery Residents
<i>MiKinze Boeder MS1</i>	The Effects of a Structured, Volume-Based Weight Loss and Health Program Combined with Respiratory Muscle Training Over 2 Months

<i>Rafat Solaiman, BA</i>	Outcomes of a Novel Approach to Guided Acetabular Reconstruction in Patients with Metastatic Pelvic Hip Lesions
<i>Rebekah Kleinsmith MD</i>	Hip Fracture Care after the COVID-19 Pandemic: Have We Returned to the Pre-Pandemic Standard of Care?
<i>Rebekah Kleinsmith MD</i>	Top-Down Diversification: Do those in Orthopaedic Department Chair Roles Reflect Orthopaedic Trainees and Faculty?
<i>Sanjay Dhawan MD</i>	Surgical Challenges in the Management of Charcot Spinal Arthropathy with Progressive Spinal Deformity
<i>Stephen A Doxey DO</i>	Reoperation and Complication Rates 90 Days after Patellar Fracture Fixation: All-Suture vs Metal Implants
<i>Stephen A Doxey, DO</i>	Total Hip Arthroplasty and Provider-Level Value Analysis: Fellowship Training and Surgery Center Procedures are Associated with Higher Value
<i>Stephen A Doxey, DO</i>	Provider-Level Value Analysis in Total Knee Arthroplasty: Surgeon Characteristics and Procedure Value Over One Year
<i>Stephen A Doxey, DO</i>	Decreased Pain After Platelet-Rich Plasma Injection in Lateral Epicondylitis Patients in the Early Follow-up Period
<i>Stephen A. Doxey DO</i>	All-Suture Fixation: Technique and Outcomes in Geriatric Patella Fracture Treatment

Learning Objectives: At the conclusion of the program, learners will be able to:

1. Explain physician wellness and how moral injury affects orthopaedic surgeons.
2. Discuss innovations in total joint arthroplasty and their application to today's complex problems.
3. Analyze and discuss research from multiple orthopaedic subspecialties in order to determine evidence-based, practice-changing care for improving patient outcomes.

CME certificates will be sent after completion of evaluation: <https://www.surveymonkey.com/r/V3MSP9D> .

2025 Annual Meeting:

Save the Date May 2, 2025 at the Westin Edina.

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- Ryan Fader, MD: Consulting Fee: Stryker, NewClip
- Daniel Berry, MD: Consulting Fee: DePuy Other: Depuy/Synthes

The planners and remaining faculty members have no relevant financial relationships to disclose.

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