



AGENDA

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

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

1. Discuss trends and new techniques in managing common orthopaedic conditions as presented by recognized experts in their sub-specialties.
2. Understand principles of anatomic-based knee ligament reconstructions.
3. Understand the functional difference between single versus double bundle PCL reconstructions.
4. Understand the role of tibial slope on ACL reconstruction grafts.
5. Explain how osteoporosis is misdiagnosed.

| | | Location |
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| 7:00 am | Registration/Breakfast with Exhibitors | Prefunction Ballroom Area |
| 7:30 am | Welcome and Introductions of Co-Chairs <i>Caitlin Chambers, MD, University of Minnesota</i> <i>Nicholas Pulos, MD, Mayo Clinic</i> <i>William Uffmann, MD, Essentia Health</i> | George W. Baird Ballroom |

Session 1: Lower Extremity Trauma (7:35-8:20 am)

George W. Baird Ballroom

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| 7:35 am | Distal Tibia/Ankle Fracture Combos. | <i>Robert Jacobs, MD</i> |
| 7:45 am | Arthroscopic-Assisted Tibial Plateau Fixation Outcomes: A Systematic Review and Meta-Analysis. | <i>Nicholas Gannon, MD</i> |
| 7:50 am | Distal Femur Fracture Outcomes and Complications of Dual Implant Fixation Compared to Single Plate Fixation. | <i>Nick Bostrom, BS</i> |
| 7:55 am | A Series of Young Patients with Low-Energy Femoral Neck Fractures. | <i>T. Zach Paull, MD</i> |
| 8:00 am | Mapping of Pelvic Ring Injuries from High-Energy Trauma Utilizing Unfolded CT Image Technology. | <i>Michael C. LaRoque, BSME</i> |
| 8:05 am | Outcomes of the Femoral Neck System: Equivalent Outcomes at One Year to a Matched Cohort of Cannulated Screws. | <i>Alexandra M. Cancio-Bello, B.S.</i> |
| 8:10 am | Should We Protect the Femoral Neck in Femur Nailing Surgery? | <i>T. Zach Paull, MD</i> |
| 8:15 am | Questions and Answers | |

8:20 am Prior Authorization Discussion

Senator Julie A. Rosen, Representative Kelly Morrison and Senator Melisa Lopez Franzen, Representative Tony Albright (invited)

Session 2: Upper Extremity Trauma (9:00-9:45 am)

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| 9:00 am | The Evolution of Humeral Shaft Fracture Management. | <i>Krystin Hidden, MD</i> |
| 9:10 am | Costal Margin Disruption and Intercostal Hernia Presenting as Rib Nonunions, A Case Series. | <i>Michael C. LaRoque, BSME</i> |
| 9:15 am | Forequarter Lateral Implosion Injury and The Ch-Sh (CH\bar{a}-SH\bar{a}) Classification System. | <i>T. Zach Paull, MD</i> |

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| 9:20 am | An Analysis of Post-Operative Complications and Reoperation Rates Following Open Reduction Internal Fixation Versus Intramedullary Nail Fixation of Humeral Diaphyseal Fractures. | <i>Kirsi S. Oldenburg, BSPH</i> |
| 9:25 am | Coaptation Splints and Shoulder Immobilizers: Equivocal Outcomes for Diaphyseal Humerus Fractures. | <i>Alexandra M. Cancio-Bello, B.S.</i> |
| 9:30 am | Clavicle Fractures: Does Plate Type Predict Fixation Failure? | <i>Alexandra M. Cancio-Bello, B.S.</i> |
| 9:35 am | Endosteal Plating in Proximal Humerus Fractures: A Novel Technique and Alternative to Fibular Strut Allograft for Medial Column Support. | <i>Timothy Nyangacha, BS</i> |
| 9:40 am | Questions and Answers | |

9:45 am **Break with Exhibitors (9:45-10:05 am)** **Prefunction Ballroom Area**

10:05 am **Presidential Lecture: “Overcoming Dogma and Level 5 Evidence: 25 Years of Sports Medicine Advancement Using the Research Pyramid”** **George W. Baird Ballroom**
Robert LaPrade, MD, PhD
Complex Knee and Sports Medicine Surgeon
Twin Cities Orthopedics
Minneapolis, MN

10:50 am **Question and Answer Session**

11:00 am **MOS Annual Meeting: Chad Griffith, MD, President, Minnesota Orthopaedic Society**
Legislative Update: Chad Fahning, MOS Lobbyist

11:20 am **Lunch with Exhibitors (11:20 am - 12:00 pm)** **Prefunction Ballroom Area/Cahill Ballroom**

12:00 pm **Heritage Lecture: The Missed Diagnosis of Osteoporosis** **George W. Baird Ballroom**
Claudia Thomas, MD
Medical Director
UNOVA Hip and Knee
Lady Lake, Florida

1:00 pm **Question and Answer Session**

Session 3: Care Delivery and Research (1:10-1:45 pm)

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| 1:10 pm | JBJS Innovation to Support Research and Care Delivery. | <i>Marc Swiontkowski, MD</i> |
| 1:20 pm | Does the Option to Keep Explanted Orthopaedic Hardware Influence Patients’ Perceptions of Care and Satisfaction? | <i>Michael LaRoque, BSME</i> |
| 1:25 pm | Increased Adherence to Single-Dose of First Generation Cephalosporins for Gunshot Wounds to an Extremity Without an Increase Infection Rate. | <i>Shefali Bijwadia, BS</i> |
| 1:30 pm | Current state of orthopaedic trauma registries among members of the International Orthopaedic Trauma Association (IOTA.) | <i>T. Zach Paull, MD</i> |
| 1:35 pm | Outcomes of Acetabular Fractures Operated by Newly Graduated Orthopaedic Trauma Surgeons. | <i>Samuel Davidson, MD</i> |
| 1:40 pm | Virtual Visits are Effective in Orthopaedic Trauma. | <i>Will Dyke, BS</i> |
| 1:45 pm | Questions and Answers | |

Session 4 Breakout: (2:20-2:55)

| | Hand/Elbow: Cahill Ballroom | Foot/Ankle: George W. Baird Ballroom |
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| 2:20 pm | Wide Awake Hand Surgery: Optimizing the Patient Experience: <i>Edward Wu, MD</i> | Foot & Ankle Learning Points: <i>Sarah Anderson, MD</i> |
| 2:30 pm | Long-Term Outcomes in Patients with CMC Arthroplasty and MP Fusion Compared with CMC Arthroplasty: <i>Carissa C. Dock BS</i> | The Isolated Fibula Fracture: Should Gravity Stress Radiographs be the Gold Standard for Determining Ankle Stability? Successful Outcomes with Non-Operative, Immediate Weight Bearing Despite Stress Positive Radiographs: <i>Phillip Thomas, MD</i> |
| 2:35 pm | Bridge Plate Versus Volar Plate for Distal Radius Fixation: Is Bridge Plating Warranted for Lower Extremity Weight-Bearing Restrictions in Polytrauma Distal Radius fractures? <i>Frank A. Martinez</i> | Isolated Talonavicular Arthrodesis as Treatment for Flexible Collapsing Flatfoot Deformity: A Case Series: <i>Hui Zhang, MD</i> |
| 2:40 pm | The Fate of Distal Biceps Partial Thickness Tears: <i>Adam J. Tagliero MD</i> | Effect of Distal Tibia Cortical Bone Coverage in Rates of Total Ankle Arthroplasty Implant Subsidence, Loosening, and Heterotopic Bone Formation: <i>Hui Zhang, MD</i> |
| 2:45 pm | Long-Term Outcomes of Distal Biceps Injuries: A Comparative Study of Surgical and Nonsurgical Management at a Mean Follow Up of 13 Years: <i>Adam J. Tagliero MD</i> | What is the Utility of Pre Operative CT Scans for Distal Tibial Shaft Fractures? <i>Sydney Boike, BS</i> |
| 2:50 pm | Questions and Answers | Questions and Answers |

Session 5: Breakout (2:55 3:40 pm)

| | Sports and Shoulder: George W. Baird Ballroom | Spine: Cahill Ballroom |
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| 2:55 pm | Acetabular Dysplasia, Workup and When to Refer to a Hip Preservation Surgeon: <i>Mahad Hassan, MD</i> | What's New In Spine: <i>Jonathan Sembrano, MD</i> |
| 3:05 pm | Anterior Cruciate Ligament Injuries: A Comparison of Time to Diagnosis and Treatment in Orthopedic Urgent Cares: <i>Melissa Albersheim MD</i> | Treatment of Recurrent Mobile Spine Chordomas: <i>Elizabeth Wellings, MD</i> |
| 3:10 pm | Outcomes After Arthroscopic Posterior Capsular Release for Persistent Extension Deficit of the Knee: <i>Anna K. Reinholz, BS</i> | Placement of Multiple Points of Pelvic Fixation in Spinal Deformity Surgery: <i>Andrew Ormseth, MD</i> |
| 3:15 pm | Exploiting the Benefits of Post-Less Hip Arthroscopy: Use of the On-off Traction Technique During Labral Repair to Restore the Labral Suction Seal: <i>Lucas J. Ray, BS</i> | Frequency of Radiologist Reported Vacuum Phenomenon in the SI Joint on CT Scan: <i>Kenneth J. Holton, MD</i> |
| 3:20 pm | Hypermobile Lateral Meniscus: A Case Series Describing Diagnosis and Surgical Outcomes: <i>Sara E. Till MS</i> | Heterogeneity of Surgical Approach for Adult Spinal Deformity Patients: <i>Kenneth J. Holton, MD</i> |
| 3:25 pm | The Natural History of Medial Meniscal Root Tears: A Biomechanical and Clinical Case Perspective: <i>Ariel N. Rodriguez M.S.</i> | Does the Presence of Programmable Implanted Devices in Patients with Early Onset Scoliosis Alter Typical Operative and Postoperative Practices? A Survey of Spine Surgeons: <i>Walter Truong, MD</i> |

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| 3:30 pm | Patients with a Moderate Level of Medical Comorbidity Can Safely Undergo Total Shoulder Arthroplasty: A Retrospective Cohort Study: <i>Elisa N. Hofmeister</i> | Implementation of Machine Learning to Predict Cost of Care Associated with Ambulatory Single Level Lumbar Decompression: <i>Harold I. Salmons, MD</i> |
| 3:35 pm | Questions and Answers | Questions and Answers |

Session 6: Geriatrics Orthopedics (3:40-4:15 pm)

George W. Baird Ballroom

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| 3:40 pm | Tips and Secrets to Best Hip Fracture Care | <i>Julie Switzer, MD</i> |
| 3:50 pm | Direct Anterior Versus Anterolateral Approach for Hip Arthroplasty after Femoral Neck Fracture in the Senior Population: Early Results from an Ongoing Prospective Randomized Clinical Trial | <i>Alexis Matrka, MD</i> |
| 3:55 pm | Discrepancy between DXA and CT Based Assessment of Spine Bone Mineral Density | <i>Samuel Davidson, MD</i> |
| 4:00 pm | Preoperative INR Values are Not Associated with 90-day Mortality in Geriatric Femoral Neck Fractures Treated with Hemiarthroplasty when Controlling for Medical Comorbidities | <i>Mason E. Uvodich</i> |
| 4:05 pm | Geriatric Olecranon Fractures: Complications of Non-Operative Versus Operative Treatment | <i>Lily Wood, MD</i> |
| 4:10 pm | Questions and Answers | |

Awards and Closing (4:15-4:30 pm)



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AND EDUCATION FOUNDATION®

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- Jonathan Sembrano, MD: Contracting Research: NuVasive, AO Spine, Orthofix

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