**Minnesota Orthopaedic Society**

**Annual Meeting**

**May 3, 2024**

**Westin Edina**

**Draft as of March 29th**

7:00-7:30am Registration/Breakfast with Exhibitors

7:30-7:35am Welcome by MOS President and Introduction of Meeting Co-Chairs

7:35-8:15am Legislative Panel (Polly/Legislators/Administrators)

8:15-8:20am Introduction of Presidential Speaker (Hassan/Hidden/Karim)

8:20-9:10am Presidential Lecture (Daniel Berry, MD)

9:10-9:15am Q&A with Daniel Berry, MD (Berry + Hassan/Hidden/Karim)

9:15-9:45am Coffee Break with Exhibitors

9:50-10:20am MOS – 50th year anniversary (James House, MD)

10:25-10:55am AAOS Advocacy & Involvement Sessions

10:55-11:00am Introduction of Heritage Lecturer (Hassan/Hidden/Karim)

11:00-11:30am Heritage Lecture (Jeffrey Smith, MD)

11:30-11:35am Q&A with Jeffrey Smith, MD (Smith + Hassan/Hidden/Karim)

11:35-12:00pm MOS Members-Only Business Meeting & Presidential Update

12:00-1:00pm Lunch

1:00-1:05pm Introduction of Award-Winning Abstracts

1:05-1:10pm OREF Ed McElfresh Best Resident Abstract Awards

TBD

1:10-1:15pm OREF Ed McElfresh Best Resident Abstract Awards

TBD

1:15-1:30pm Break and Move to Breakout Rooms

**Session 1**

**Arthroplasty (Ballroom #1) – Daniel Berry, M.D.**

1:30-1:34pm Interaction and prevalence of total hip arthroplasty in sacroiliac joint fusion patient population

Dustin J. Kress, MA

1:34-1:38pm Variation in Patient Reported Outcomes of Total Joint Arthroplasty Based on Surgeon Fellowship Training and Years in Practice

William Kamm, BS

1:38-1:42pm Patient level value analysis (PLVA) these in total hip arthroplasty and total knee arthroplasty: Evaluating a 1 year episode of care

Stephen A Doxey, DO

1:42-1:46pm Impact of leg position on measurements used to detect femoral component subsidence in direct anterior total hip arthroplasty

Elizabeth Kaji, BA

1:46-1:50pm Patient-Reported Outcomes and Minimum Clinically Important Difference after PRP Injection for Knee Osteoarthritis

Rebekah M Kleinsmith, MD

1:50-1:55pm Q&A

**Pediatrics (Ballroom #2) – Allison Dittmer, M.D.**

1:30-1:34pm Development of a Minimally Invasive Piglet Model of Legg-Calve-Perthes Disease

Susan A. Novotny

1:34-1:38pm Iatrogenic Intraoperative Fracture in Patients with Osteogenesis Imperfecta

T.J.Pottinge

1:38-1:42pm Does the Addition of Proximal Femoral Epiphysiodesis in Neuromuscular Hips Improve Caput Valgum

Bryant Transtrum

1:42-1:46pm Hyperselective Neurectomy for Spastic Equinus Deformity in Pediatric Patients with Upper Motor Neuron Injury

Lainey G. Bukowiec, MD

1:46-1:50pm Quantitative MRI may help detect bone repair in a piglet model of Legg-Calve-Perthes disease

Jennifer C. Laine, MD

1:50-1:55pm Q&A

**Session 2**

**Sports Part One (Ballroom #1) – Ryan Fader, M.D.**

2:00-2:04pm Clinical and Radiographic outcomes of Knee Cartilage Restoration

Surgery in Patients with Inflammatory Arthropathy

Charles Holliday, MD

2:04-2:08pm Keeping Biologics Hip: Patient-Reported Outcomes after Platelet-Rich Plasma Injections into the Gluteal and Proximal Hamstring Tendons

Rebekah M Kleinsmith, MD

2:08-2:12pm Long- Leg Lateral Monopodal Stress Radiographs for the Assessment of Anterior Tibial Translation with Anterior Cruciate Ligament Injury: A Retrospective Study

Luke V. Tollefson, BS

2:12-2:16pm Development of a Natural Language Processing Model for Hip Preservation Operative Notes

Andrew Sibley, BS

2:16-2:20pm Postoperative Patient Reported Outcomes are Similar Between Isolated ACLR and the new “Terrible Triad”. ACLR with Concurrent Meniscal Lateral Root and Medial Ramp Repairs

Evan P. Shoemaker, BA

2:20-2:25pm Q&A

**Trauma Part One (Ballroom #2) – Krystin Hidden, M.D.**

2:00-2:04pm Hip Fracture Patterns, Hospital Course, and Mortality Differ Between Males and Females

Stephen A. Doxey, DO

2:04-2:08pm Outcomes of geriatric hip fracture patients with associated proximal humerus fractures. Does surgical treatment of the proximal humerus lead to improved mobility?

Nicholas Reiners, MD

2:08-2:12pm Comparison of Operative and Non-Operative Management of Elderly Fragility Pelvic Ring Fractures

Riley Swenson, BA

2:12-2:16pm Impact of Intraoperative Periprosthetic Fractures During Cemented Hemiarthroplasty for Femoral Neck Fractures

Ankur Khanna, B.S.

2:16-2:20pm Salvage of Failed Subtrochanteric Fracture Fixation in the Elderly: Revision Internal Fixation or Hip Arthroplasty?

Ankur Khanna, B.S.

2:20-2:25pm Q&A

**Session 3**

**Hand (Ballroom #1) – Kristin Karim, M.D.**

2:30-2:34pm Pinch strength of patients with carpometacarpal arthritis and its concomitant conditions

Carissa C. Dock, BBME

2:34-2:38pm Effect of Handedness on Patient-Reported Outcomes after Operative Treatment of CMC Arthritis

Rebekah Kleinsmith, MD

2:38-2:42pm Minimum Clinically Important Difference in Operative Treatment of CMC Arthritis: Do Patients Expectations Change with Time?

Rebekah Kleinsmith, MD

2:42-2:46pm Investigating Normative Measurements of the Thumb and Index Finger to Aid in Reconstructive Surgery

Lucas J Ray, MD

2:46-2:50pm Seasonal Variation Effects on Incidence of Operatively-Treated Distal Radius Fractures

Rebekah Kleinsmith, MD

2:50-2:55pm Q&A

**Spine Part One (Ballroom #2) – Ryan Hoel, MD**

2:30-2:34pm How Common are Lumbosacral Fusions in Primary Total Hip Arthroplasty Patients? A Radiographic Review

Jason J. Haselhuhn, DO

2:34-2:38pm Unilateral Versus Bilateral Pedicle Screw Fixation with Anterior Lumbar Interbody Fusion: A Comparison of Postoperative Outcomes

Brian E. Kelley

2:38-2:42pm Does Postoperative L4-S1 Lordosis Influence Outcomes after 1-2 Level Lower Lumbar Fusion?

Dustin J. Kress, MA

2:42-2:46pm The Learning Curve for Pelvic Fixation with the Bedrock Technique

Christopher Martin, MD

2:46-2:50pm Simulated Durotomy Repair for Surgical Trainees

Lainey G. Bukowiec, MD

2:50-2:55pm Q&A

**Session 4**

**Sports Part Two (Ballroom #1) – Mahad Hassan, MD**

3:00-3:04pm Supratubercle Anterior Closing Wedge Osteotomy: No Change in Patellar Height and Significant Decreases in Anterior Tibial Translation at Six Months Postoperatively.

Luke V. Tollefson, BS

3:04-3:08pm Sports Medicine vs. Shoulder Fellowship-Trained Orthopaedic Surgeons: Procedural Costs and Operative Time in Rotator Cuff Repair Surgery

Stephen A Doxey, DO

3:08-3:12pm Characterization of patients with excessive external tibial torsion after distal tibial derotational osteotomy with mean follow up of 22 months

Spencer M. Comfort, MD

3:12-3:16pm Outcomes of Anterior Cruciate Ligament Reconstruction in Competitive Ice Hockey Players: Outcomes, Reoperations, and Return to Play at 7 Years Mean Follow Up

Aliya G. Feroe, MD MPH

3:16-3:20pm Q&A

**Trauma Part Two (Ballroom #2) – Jeffrey Smith, M.D.**

3:00-3:04pm Pilon Fracture Outcomes

Anna Lundeen, MD

3:04-3:08pm Immediate weightbearing through walker or crutches after surgical fixation of clavicle fractures in patients with lower extremity fractures: A retrospective cohort study

Nicholas Frane, DO

3:08-3:12pm Patient Reported Outcomes of Surgical Stabilization of Rib Fractures Utilizing an Electronic Platform Outside of Clinic Follow-up

Riley Swenson, BA

3:12-3:16pm Gradual Lengthening Through the Fracture Site in Open Femoral Shaft Fractures with Segmental Bone Loss

Emmalynn J. Sigrist, DO

3:16-3:20pm Who is more likely to leave positive or negative comments in orthopedic trauma?

Andrew C Sibley, BS

3:20-3:25pm Q&A

**Session 5**

**Shoulder & Elbow (Ballroom #1) – moderator TBD**

3:30-3:34pm Combined Fractional Lengthening and Hyperselective Neurectomy for Triceps Spasticity in Upper Motor Neuron Injury

Lainey G Bukowiec, MD

3:34-3:38pm ASES Scores after Surgical Management of Anterior Bankart Lesions

Michael A Pitner, MD

3:38-3:42pm Immediate Accelerated Shoulder Rehabilitation vs a Standard Protocol Following Reverse Total Shoulder Arthroplasty: A Prospective Randomized Controlled Trial

Michael Walsh, MD

3:42-3:46pm Shoulder-Pacemaker for the Use of Recalcitrant Shoulder Conditions: A Patient Survey

Michael Torchia, MD, MS

3:46-3:55pm Clinical Outcomes of Olecranon Osteotomy Fixation

Ankur Khanna, B.S.

3:55-4:00pm Q&A

**Spine Part Two (Ballroom #2) – Mohammed Karim, M.D.**

3:30-3:34pm Reliability of Planned Versus Actual Iliosacral Screw Trajectory Using Intra-operative 3D CT and Image Guidance

Vasil V. Kukushliev, MD

3:38-3:42pm Pelvic Incidence Changes with Adult Deformity Correction: Is Intraoperative Measurement Needed?

Bradley Spence, MD

3:42-3:46pm Limb Length Discrepancy Rate in Patients Undergoing Spinal Fusion

Thomas Warfield Jr., BS

3:46-3:50pm Perioperative Change In Bone Quality Following Posterior Cervical Fusion and it's Effects on Postoperative Outcomes

Caden J. Messer, BS

3:50-3:55pm Sacropelvic Fixation with Porous Fusion/Fixation Screws: A Retrospective Review

Nathan Hendrickson, MD

3:55-4:00pm Q&A