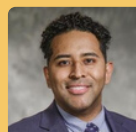


SYMPOSIUM • FEATURED SPEAKERS



Michael Bolognesi, MD
 Professor of Orthopaedic Surgery; Adult Reconstruction Division Chief; Duke University School of Medicine

Maggie Horn, DPT, MPH, PhD
 Associate Professor of Orthopaedic Surgery; Associate Professor in Population Health Sciences; Duke University School of Medicine

Christian Pean, MD, MS
 Executive Director for AI and IT Innovation; Assistant Professor of Orthopaedic Surgery; Duke University School of Medicine

Michael J. Pencina, PhD
 Chief Data Scientist, Duke Health; Vice Dean for Data Science; Duke University School of Medicine

Elizabeth Skidmore, PhD, OTR/L, FAOTA, FACRM
 Associate Dean for Research; Professor of Occupational Therapy; University of Pittsburgh

PRESENTATIONS

8:00-8:20 a.m. Breakfast

8:20-8:25 a.m. Welcome • Benjamin Alman, MD

8:25-8:37 a.m. Distal Clavicle vs. Traditional and Congruent Arc Latarjet: Comparison of Surface Area and Glenoid Apposition with 3-Dimensional CT and MRI
 Caroline Park, MD

8:37-8:49 a.m. Circulating Proteomic Profiles Associated with Decreased Tourniquet-Induced Ischemia
 Jonathon Florance, MD

8:49-9:01 a.m. Targeting Stem Cells in Skeletal Muscle Repair and Regeneration
 Shihuan Kuang, PhD

9:01-9:13 a.m. Artificial Intelligence for Automated Osteoporosis Screening on Extremity Radiographs
 Joshua Helmkamp, MD

9:13-9:25 a.m. Break

9:25-10:10 a.m. Department Photo • Outside of IPE

10:10-11:20 a.m. Poster Session I • Suite 1225

11:20 a.m.-12:50 p.m. Symposium • "Big³: Big Ideas, Big Data & Big Analysis"

Development of the Duke Total Joint Learning Health Unit: Data to Dissemination
 Michael Bolognesi, MD; Maggie Horn, DPT, MPH, PhD

From Inequity to Innovation: Artificial Intelligence as a Bridge to Health Equity and Value-Based Surgical Care
 Christian Pean, MD, MS

Responsible Innovation in Health AI
 Michael Pencina, PhD

Automated Methods for Assessing Rehabilitation Intervention Fidelity
 Elizabeth Skidmore, PhD, OTR/L, FAOTA, FACRM

12:50-1:30 p.m. Lunch

1:30-1:42 p.m. Decreasing Hip Offset in Total Hip Arthroplasty Results in Decreased Physical Function Scores
 Patrick Kelly, MD

1:42-1:54 p.m. Predicting Complications in Spinal Deformity Surgery
 Brett Rocos, MD

1:54-2:06 p.m. Clinical Outcomes After Pelvic Resection With And Without Reconstruction
 Nicole Levine, MD

2:06-2:16 p.m. Break

2:16-3:26 p.m. Poster Session II • Suite 1225

3:26-3:38 p.m. Micro-CT Analysis of Commonly Utilized Tools for Articular Cartilage Defect Bone Marrow Stimulation
 Lucy Meyer, MD

3:38-3:50 p.m. Developing a Novel Setting for Post-Acute Care: High-Intensity Home-Based Rehabilitation
 Joshua Johnson, PT, DPT, PhD

3:50-4:02 p.m. Low Complication Rates in Olecranon Fracture Fixation with Dual Plating
 Matthew Brown, MD

4:02-4:14 p.m. If Opportunity Doesn't Knock, Build a Door: Orthopaedic Fracture Care as a Potential Entry Point for Improved Primary Care Services
 Amy Behman, MD

4:14-4:26 p.m. A Novel Fluoroscopic Sequence to Reveal Residual Elbow Instability Secondary to MCL Disruption
 Alexandra Paul, MD

4:26-4:45 p.m. Award Announcements/Adjournment