

MOA Video Presentations

Basic Science

110 - Optimal Tension of Internal Brace for Ulnar Collateral Ligament Repair
Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital

109 - Validation of a High-Fidelity Bench Model for Orthopaedic Skill Acquisition
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

112 - Femoral Neck System vs Multiple Cannulated Screws: Cadaveric Biomechanical Study
Megan Hsu, Johns Hopkins University

42 - Rate of Radiographically Occult Hip Fracture Using Advanced Imaging Techniques in the Elderly: A Multicenter Report
Sabrina G. Jenkins, BS, The Johns Hopkins University

114 - Postage-Stamp Glenoid Fracture after Bankart Repair - A Biomechanical Analysis
Mario Lobao, MD, Georgetown University / MedStar Union Memorial Hospital

9- Glenohumeral Mismatch Impacts Rotator Cuff Strain in Total Shoulder Arthroplasty
Melissa A. Wright, MD, Medstar Union Memorial Hospital

131 - PdgfrB Lineage Cells Contribute to Tendon Healing
Jocelyn Wu, BS, University of Maryland School of Medicine

Clinical Research

57 - Recreational Marijuana Use and Two-Year Outcomes after Orthopaedic Surgery
Fernando Albelo, BS, University of Maryland

51 - Metastatic Bone Lesion Progression after Intramedullary Nailing
Punthitra Arpornsuksant, The Johns Hopkins University

65 - PROMIS Depression and Anxiety in Shoulder Surgery Patients
Mitchell Baker, BS, University of Maryland

102 - Pain and Quality of Life for Spine Patients during COVID-19
Rachel S. Bronheim, MD, Johns Hopkins University

60 - Preoperative Opioid Use and Two-Year Outcomes after Hand Surgery
Cameran Burt, BS, University of Maryland

132 - Association between Anesthesia Type and Postoperative Outcomes in TSA Patients
Frank R. Chen, BS, George Washington University

39 - Outcomes after Arthroscopic Assisted Lower Trapezius Transfer: A Retrospective Study
Aman Chopra, MedStar Union Memorial Hospital

67 - Preoperative Characteristics Predictive of PROMIS Pain Interference After Shoulder Surgery
Matthew Chrencik, BS, University of Maryland

123 - Minimum Five-Year Follow-up of Maximally Conforming Tibial Inserts in Revision TKAs
Timothy Costales, MD, University of Maryland Medical Center / Shock Trauma Center

126 - Cruciate Retaining TKA Effective at Ten-Year Follow-Up for Patients with Severe Deformity
Timothy Costales, MD, University of Maryland Medical Center / Shock Trauma Center
**Presented by Matthew Kolevar, MD*

127 - Early Patient Outcome following TKR is Independent whether First or Last Case
Timothy Costales, MD, University of Maryland Medical Center / Shock Trauma Center

129 - Outcomes of CR TKA Patients with a Prior ACL Reconstruction
Timothy Costales, MD, University of Maryland Medical Center / Shock Trauma Center
**Presented by Brian De Palma, MD*

69 - Complications Based on Surgical Approach of Distal Humerus Capitellum Fractures
Kalin Fisher, MD, University of Maryland

118 - Immediate Weightbearing after Revision Hip Arthroplasty for Periprosthetic Fracture
Rohan Gopinath, MD, University of Maryland
**Presented by Patrick Mixa, MD*

113 - Clinical Outcomes following All-Suture Anchor Repair of Glenoid Labrum
Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital

115 - Clinical Predictors of Outcome following Proximal Hamstring Tendon Repair
Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital

117 - Clinical Predictors of Outcome following Transtibial Posterior Root Medial Meniscus Repair
Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital

119 - Top 100 Most Impactful ACL Articles: An Altmetric Analysis of Online Media
Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital
**Presented by Matthew Civilette, BS*

121 - Top 50 Most Impactful MUCL Articles: An Altmetric Analysis of Online Media

Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital
**Presented by Kunal Kirloskar, MS*

134 - Top 100 Most Impactful Achilles Articles: An Altmetric Analysis of Online Media
Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital
**Presented by Joseph Bano, MS*

124 - Reliability, Validity and Responsiveness of a Novel Subscapularis Outcome Score
Max Hamaker, MD, University of Maryland

23 - Shoulder Instability Procedures: An Analysis of Trends from 2010 to 2018
John Haskoor, Johns Hopkins University

11 - Practice Patterns and Pain Outcomes for Targeted Muscle Reinnervation
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

12 - Institutional Experience and Orthoplastic Collaboration Improve Flap-Based Limb Salvage Outcomes
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

13 - Risk Factors for Major Thromboembolism in Orthopaedic Combat Casualties
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

14 - Surgical Elbow Dislocation for Lateral Column Fractures: Technique and Outcomes
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

15 - IDEO Energy-Storing Orthosis: Effects on Lower Extremity Function and Preservation
Benjamin Hoyt, Walter Reed National Military Medical Center

46 - Late Spinal Infections in Pediatric vs. Adult Spinal Deformity Surgery
Ijezie A. Ikwuezunma, BS, BA, Johns Hopkins University

47 - Cost-Utility Analysis of Bracing vs. Observation for Adolescent Idiopathic Scoliosis
Ijezie A. Ikwuezunma, BS, BA, Johns Hopkins University

48 - Utility of Tranexamic Acid during Spine Surgery in Marfan Syndrome
Ijezie A. Ikwuezunma, BS, BA, Johns Hopkins University

49 - Validating Five Predictive Models for Height Gain following Scoliosis Surgery
Ijezie A. Ikwuezunma, BS, BA, Johns Hopkins University

96 - Treatment-Based Patient-Reported Outcomes of Pediatric Lateral Humeral Condyle Fractures
Ijezie A. Ikwuezunma, BS, BA, Johns Hopkins University

54 - Fascia Iliaca Compartment Blocks for Surgically Treated Hip Fractures: A Meta-Analysis

Meghana Jami, BS, Johns Hopkins University

108 - Ultrasound Evaluation of Deltoid Tension in Reverse Total Shoulder Arthroplasty
Mark D. Wieland, MA, MD, University of Maryland School of Medicine

55 - Factors Associated with RVU Generation in Common Sports Medicine Surgeries
Randall T. Kreulen, MD, Johns Hopkins University

40 - Diagnosis of Intra-Articular Sarcomas of the Knee after Arthroscopy
Christa L. LiBrizzi, MD, Johns Hopkins University

140 - Glenoid Bone Loss: More Inferior in Posterior vs. Anterior Instability
Michael G. Livesey, MD, University of Maryland Medical Center

72 - Sagittal Trunk Tilt in Professional and High School Pitchers
Joseph Emanuele Manzi, Weill Cornell Medicine

73 - Stride Width and Meniscal Injury Incidence in Professional Baseball Pitchers
Joseph Emanuele Manzi, Weill Cornell Medicine

75 - Kinematic and Kinetic Findings in Professional Pitchers with Shoulder Injury
Joseph Emanuele Manzi, Weill Cornell Medicine

76 - Minimized Elbow Varus Torque in Pitchers with High Pitch Accuracy
Joseph Emanuele Manzi, Weill Cornell Medicine

81 - Modeling Shoulder Anterior Force in Professional and High School Pitchers
Joseph Emanuele Manzi, Weill Cornell Medicine

128 - Evaluation of Bone Substitutes and Extenders in Posterior Spinal Fusion for AIS
Rachel S. Bronheim, MD, Johns Hopkins University

21 - Short-Term Outcomes following Cemented vs. Cementless Robotic-Assisted Total Knee Arthroplasty

Brian P. McCormick, MD, MedStar Union Memorial Hospital

64 - Preoperative Opioid Use Correlates with Worse Outcomes after Shoulder Surgery
Michael McCurdy, University of Maryland

98 - Predictors of Developing Severe Postoperative Anemia and its Consequences following Total Joint Arthroplasty

Kevin Mekkawy, DO, Johns Hopkins University

99 - Transfusion Rates in the Operative Treatment of Prosthetic Hip and Knee Infection
Kevin Mekkawy, DO, Johns Hopkins University

100 - Determining a Preoperative International Normalized Ratio Threshold Safe for Hip Fracture Surgery

Kevin Mekkawy, DO, Johns Hopkins University

101 - Predictors of Hospice Discharge following Surgical Fixation of Hip Fracture

Kevin Mekkawy, DO, Johns Hopkins University

90 - Reoperations following Primary Latarjet: Timing and Associated Risk Factors

Suresh K. Nayar, MD, Johns Hopkins University

103 - Is Primary Total Elbow Arthroplasty Appropriately Compensated Compared to Other Major Total Joint Arthroplasty?

Suresh K. Nayar, MD, Johns Hopkins University

104 - Free Falling: Declining Inflation-Adjusted Payment for Arthroplasty Surgeons

Suresh K. Nayar, MD, Johns Hopkins University

105 - Trends in Distal Radius Fixation Reimbursement, Charge, and Utilization in the Medicare Population

Suresh K. Nayar, MD, Johns Hopkins University

106 - Are We Working Harder for Less Pay? A Survey of Medicare Reimbursement for Hand and Upper Extremity Surgery

Suresh K. Nayar, MD, Johns Hopkins University

107 - Trends in Medicare Physician Reimbursement and Utilization for Proximal Humerus Fixation and Shoulder Reconstruction

Suresh K. Nayar, MD, Johns Hopkins University

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Irem Ozturk, Medstar Union Memorial Hospital

135 - Bleeding Disorders Increases Complications after Distal Radius Fracture Repair

Theodore Quan, George Washington University

137 - Effect of COPD on Complications following Distal Radius Fracture Repair

Theodore Quan, George Washington University

138 - Chronic Steroid Usage Increases Adverse Events following Ankle Fracture Repair

Theodore Quan, George Washington University

139 - COPD and Its Association following Operative Treatment for Ankle Fracture

Theodore Quan, George Washington University

22 - Anesthesia for Outpatient Joint Replacement at an Ambulatory Surgery Center

Paolo Rigor, BS, Georgetown University School of Medicine

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Davis L. Rogers, MD, Johns Hopkins University

58 - Patient Perception of Being “Completely Better” after ACL Reconstruction
Matheus Schneider, BS, University of Maryland

66 - Predictors of PROMIS Physical Function Two Years after Shoulder Surgery
Matheus Schneider, BS, University of Maryland

97 - PROMIS Depression and Anxiety in Elective Knee Surgery Patients
Matheus Schneider, BS, University of Maryland

18 - Similar Functional Outcomes between ORIF, Arthroplasty for Radial Head Fractures
Cynthia Shannon, BS, BSN, University of Maryland School of Medicine

25 - Manipulation Rates of Robot-Assisted, Customized, and Conventional Total Knee Arthroplasty (TKA)
Paulina Szakiel, MS, Georgetown University School of Medicine

116 - Diagnosing a Periprosthetic Shoulder Infection: A Systematic Review
Andrew Tran, University of Maryland School of Medicine

24 - Is Isolated Lateral Plating for Bicondylar Tibial Plateau Fractures Safe?
Krishna Vangipuram Suresh, BS, Johns Hopkins University

26 - Preoperative Risk Level is Associated with Readmission Rate: Clustering Analysis
Krishna Vangipuram Suresh, BS, Johns Hopkins University

28 - Complications following Posterior Cervical Arthrodesis for Cervical Spondylotic Myelopathy
Krishna Vangipuram Suresh, BS, Johns Hopkins University

29 - Does Growing Rod Salvaging Lead to Increased Recurrent Infection Rates?
Krishna Vangipuram Suresh, BS, Johns Hopkins University

30 - Interlocking Fassier-Duval Rods do not Eliminate Risk of Rod Migration
Krishna Vangipuram Suresh, BS, Johns Hopkins University

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Krishna Vangipuram Suresh, BS, Johns Hopkins University

37 - Mitigating factors for Bone Cement Implantation Syndrome in Oncologic Patients
Krishna Vangipuram Suresh, BS, Johns Hopkins University

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Krishna Vangipuram Suresh, BS, Johns Hopkins University

53 - Do Three Learning Platforms for Orthopedic in Training Knowledge Produce Different Results?
Krishna Vangipuram Suresh, BS, Johns Hopkins University

59 - Slipped Capital Femoral Epiphysis Virtual Reality Simulation for the Orthopaedic Trainee
Krishna Vangipuram Suresh, BS, Johns Hopkins University

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Krishna Vangipuram Suresh, BS, Johns Hopkins University

141 - Proximal Humerus Fracture Fixation Using an Intramedullary Cage
Sanjana Vattigunta, BS, Johns Hopkins University

68 - Preoperative Risk Factors Associated with Patient Satisfaction after Shoulder Surgery
Dominic Ventimiglia, BS, University of Maryland

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Kevin Y. Wang, BA, Johns Hopkins University

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Kevin Y. Wang, BA, Johns Hopkins University

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Kevin Y. Wang, BA, Johns Hopkins University

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Kevin Y. Wang, BA, Johns Hopkins University

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Kevin Y. Wang, BA, Johns Hopkins University

80 - COVID-19 Impacted ASD Surgery Length of Stay and Discharge Patterns
Kevin Y. Wang, BA, Johns Hopkins University

83 - The At-HOME Score for Predicting Discharge Disposition following ASD Surgery
Kevin Y. Wang, BA, Johns Hopkins University

84 - Prior Periprosthetic Joint Infection Increases Surgical Complications following TSA
Kevin Y. Wang, BA, Johns Hopkins University

85 - Preoperative INR Increases Risk of Postoperative Complications following TSA

Kevin Y. Wang, BA, Johns Hopkins University

87 - Surgical Indication Affects for Healthcare Utilization in Reverse TSA

Kevin Y. Wang, BA, Johns Hopkins University

88 - Open vs. Arthroscopic Rotator Cuff Repair: A Matched Cohort Analysis

Kevin Y. Wang, BA, Johns Hopkins University

93 - The BTK Safety Score for Simultaneous Bilateral Total Knee Arthroplasty

Kevin Y. Wang, BA, Johns Hopkins University

95 - Conversion TKA: A Case Complexity between Primary and Revision TKA

Kevin Y. Wang, BA, Johns Hopkins University

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Tristan B. Weir, MD, University of Maryland Medical Center

133 - Increased Sling Wear is Associated with Better Early Patient-Reported Outcomes

Tristan B. Weir, MD, University of Maryland Medical Center

136 - Predictors of Press Ganey Scores in Ambulatory Upper Extremity Procedures

Tristan B. Weir, MD, University of Maryland Medical Center

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Melissa A. Wright, MD, Medstar Union Memorial Hospital

6 - Neuroanatomical Correlates of Hip Displacement in Cerebral Palsy with Scoliosis

Amy L. Xu, BS, Johns Hopkins School of Medicine

7 - Epidemiology of Cheerleading Injuries Presenting to US Emergency Departments (2010-2019)

Amy L. Xu, BS, Johns Hopkins University

8 - Factors Associated with Nondisplaced Hips in Cerebral Palsy with Scoliosis

Amy L. Xu, BS, Johns Hopkins University

20 - Patient Understanding Regarding Opioid Use in a Trauma Surgery Population

Amy L. Xu, BS, Johns Hopkins University

77 - The Financial Burden of Nonoperatively Treated Pediatric Distal Radius Fractures

Amy L. Xu, BS, Johns Hopkins University

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Amy L. Xu, BS, Johns Hopkins University

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Amy L. Xu, BS, Johns Hopkins University

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Bobby G. Yow, MD, Walter Reed National Military Medical Center

3 - Glenohumeral Arthritis after Arthroscopic Posterior Stabilization in an Active Population

Bobby G. Yow, MD, Walter Reed National Military Medical Center

4 - Beach Chair vs. Lateral Decubitus Positioning for Primary Arthroscopic Anterior Shoulder Stabilization: A Consecutive Series of 641 Shoulders

Bobby G. Yow, MD, Walter Reed National Military Medical Center

10 - Outcomes of Arthroscopic Shoulder Stabilization at the United States Naval Academy: Five-Year Follow-Up

Bobby G. Yow, MD, Walter Reed National Military Medical Center

71 - Complications and Risk Factors in Modern Pilon Fracture Fixation

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Tina Zhang, MS, University of Maryland

63 – Long-Term Outcomes of Multiligament Knee Injuries

Tina Zhang, MS, University of Maryland