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

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 School of Medicine

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

89 - Outpatient vs. Inpatient Total Shoulder Arthroplasty: A Matched Cohort Analysis
Amil R. Agarwal, BA, Johns Hopkins University

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

94 - Sarcopenia Increases Complication Risk following Pedicle Subtraction Osteotomy
Jacob Babu, Johns Hopkins University

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

91 - Epidemiology and Postoperative Complications of Shoulder Instability Procedures
Matthew J. Best, MD, Johns Hopkins University
102 - Pain and Quality of Life for Spine Patients during COVID-19  
Rachel S. Bronheim, MD, Johns Hopkins Hospital

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, Georgetown University School of Medicine

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 Fracture  
Rohan Gopinath, MD, University of Maryland

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 100 Most Impactful UCL 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

70 - CHF Predicts Mortality following THA for Femoral Neck Fractures
Ryan Guilbault, Johns Hopkins University

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

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
Scott Koenig, MD, University of Maryland School of Medicine

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

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
Majd Marrache, MD, Johns Hopkins Hospital

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

56 - African-Americans Have Higher Risk of Complications and Delayed Operative Fixation for Pathologic Fractures
Claire McDaniel, MD, MBA, Johns Hopkins Hospital

98 - Predictors of Developing Severe Postoperative Anemia and its Consequences following Total Joint Arthroplasty
Kevin Mekkawy, DO, Johns Hopkins University School of Medicine

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

100 - Determining a Preoperative International Normalized Ratio Threshold Safe for Hip Fracture Surgery
Kevin Mekkawy, DO, Johns Hopkins University School of Medicine

101 - Predictors of Hospice Discharge following Surgical Fixation of Hip Fracture
Kevin Mekkawy, DO, Johns Hopkins University School of Medicine

90 - Reoperations following Primary Latarjet: Timing and Associated Risk Factors
Suresh K. Nayar, MD, Johns Hopkins Hospital

103 - Is Primary Total Elbow Arthroplasty Appropriately Compensated Compared to Other Major Total Joint Arthroplasty?
Suresh K. Nayar, MD, Johns Hopkins Hospital

104 - Free Falling: Declining Inflation-Adjusted Payment for Arthroplasty Surgeons
Suresh K. Nayar, MD, Johns Hopkins Hospital

105 - Trends in Distal Radius Fixation Reimbursement, Charge, and Utilization in the Medicare Population
Suresh K. Nayar, MD, Johns Hopkins Hospital

Suresh K. Nayar, MD, Johns Hopkins Hospital

107 - Trends in Medicare Physician Reimbursement and Utilization for Proximal Humerus Fixation and Shoulder Reconstruction
Suresh K. Nayar, MD, Johns Hopkins Hospital

45 - Eccentric Reaming for the B2 Glenoid Undergoing Total Shoulder Arthroplasty
Irem Ozturk, Medstar Union Memorial Hospital

92 - Racial and Socioeconomic Disparities in Management of Femoral Neck Fractures
Varun Puvanesarajah, MD, Johns Hopkins University

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

43 - Gluteal Compartment Syndrome: Presentation, Etiology, Diagnosis, and Treatment
Davis L. Rogers, MD, Johns Hopkins Hospital

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 School of Medicine

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

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

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

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

31 - Scoliosis Risk Factors in Pediatric Patients with Acute Flaccid Myelitis
Krishna Vangipuram Suresh, BS, Johns Hopkins School of Medicine

34 - Pathologic Fracture Mortality Index: A Novel Tool for Predicting 30-Day Postoperative Mortality
Krishna Vangipuram Suresh, BS, Johns Hopkins School of Medicine

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

38 - Suture Reconstruction for Scapholunate Ligament Injuries: Outcomes in a Single Institution
Krishna Vangipuram Suresh, BS, Johns Hopkins School of Medicine

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

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

61 - Cone-Beam Tomosynthesis in Screw Fixation of Slipped Capital Femoral Epiphysis
Krishna Vangipuram Suresh, BS, Johns Hopkins School of Medicine

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

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

32 - Out-of-Network Billing in Elective Orthopaedic Surgery is Declining
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

33 - Machine Learning Models can Predict Complications following Revision Lumbar Fusion
Kevin Y. Wang, BA, Johns Hopkins School of Medicine
35 - Preoperative Anemia Prolongs Hospital Stay in Chronic Kidney Disease Patients Undergoing Lumbar Arthrodesis  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

36 - Preoperative Hyponatremia is Associated with Postoperative Complications following Spinal Surgery  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

74 - The HEAD Score for Predicting 30-Day Mortality after ACDF  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

78 - Home Support Affects Discharge Disposition in Young, Healthy ASD Patients  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

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

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

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

85 - Preoperative INR Increases Risk of Postoperative Complications following TSA  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

87 - Surgical Indication Affects for Healthcare Utilization in Reverse TSA  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

88 - Open vs. Arthroscopic Rotator Cuff Repair: A Matched Cohort Analysis  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

93 - The BTK Safety Score for Simultaneous Bilateral Total Knee Arthroplasty  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

95 - Conversion TKA: A Case Complexity between Primary and Revision TKA  
Kevin Y. Wang, BA, Johns Hopkins School of Medicine

130 - Predictors of Sling Use after Shoulder Surgery  
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

16 - A Surgeon-Directed Home Rehabilitation Program following Rotator Cuff Repair
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 School of Medicine

8 - Factors Associated with Nondisplaced Hips in Cerebral Palsy with Scoliosis
Amy L. Xu, BS, Johns Hopkins School of Medicine

20 - Patient Understanding Regarding Opioid Use in a Trauma Surgery Population
Amy L. Xu, BS, Johns Hopkins School of Medicine

77 - The Financial Burden of Nonoperatively Treated Pediatric Distal Radius Fractures
Amy L. Xu, BS, Johns Hopkins School of Medicine

79 - Peripheral Block Regulation Decreases Neurological Symptoms after Pediatric Knee Surgery
Amy L. Xu, BS, Johns Hopkins School of Medicine

86 - Baclofen Pump Use: Complications after Growth-Friendly Instrumentation for Early-Onset Scoliosis
Amy L. Xu, BS, Johns Hopkins School of Medicine

2 - Glenohumeral Arthritis after Arthroscopic Anterior Stabilization in an Active Population
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
Bo Zhang, Johns Hopkins
62 - Non-Response Bias for Press Ganey Surveys after Knee Surgery  
*Tina Zhang, MS, University of Maryland*

63 – Long-Term Outcomes of Multiligament Knee Injuries
*Tina Zhang, MS, University of Maryland*