2018 E-Poster Presentations

STATION A

Education

**Poster 1**
Impact Factors of Orthopaedic Journals Between 2010 and 2016
*Nequesha Mohammed, MD, Rubin Institute for Advanced Orthopaedics*

**Poster 2**
Orthopaedic Patients' Usage of a Provided Informational Internet Resource
*Sean Meredith, MD, University of Maryland*

Hip

**Poster 3**
Comparison between Unilateral and Bilateral Pelvic Fixation Using the S2AI
*Mostafa H. El Dafrawy, MD, Johns Hopkins University*
*Presented by Micheal Raad, MD*

**Poster 4**
Effect of Smoking Status on Opioid Consumption After Total Hip Arthroplasty
*Jennifer I. Etcheson, MD, MS, Sinai Hospital of Baltimore*

**Poster 5**
Fascia Iliaca Blockade With and Without Liposomal Bupivacaine for Hip Arthroscopy
*Patrick Grimm, MD, Walter Reed National Military Medical Center*

Knee

**Poster 6**
Use of Neuromuscular Electrical Stimulation May Reduce Arthrofibrosis after TKA
*Jennifer I. Etcheson, MD, MS, Sinai Hospital of Baltimore*

**Poster 7**
Adjunctive Diclofenac Decreases Postoperative Pain and Opioid Consumption Following TKA
*Nicole George, DO, Rubin Institute for Advanced Orthopaedics*

**Poster 8**
Does Obesity Affect Outcomes in Patients Undergoing PT Following TKA?
*Nicole George, DO, Rubin Institute for Advanced Orthopaedics*
Poster 9
Mid-Term Survivorship and Outcomes of Highly Cross-Linked Polyethylene in TKA
Nicole George, DO, Rubin Institute for Advanced Orthopaedics

Poster 10
Presentation of Knee Osteoarthritis in the Emergency Department
Nicole George, DO, Rubin Institute for Advanced Orthopaedics

Poster 11
Can Global Budget Revenue Improve Costs and Quality in TKA?
Chukwuweike U. Gwam, MD, Rubin Institute for Advanced Orthopaedics

Poster 12
Novel Surgical Technique for Re-Tensioning Partial ACL Tears: Biomechanical Analysis
Derek Nhan, BS, Johns Hopkins Children’s Center

Poster 13
Biomechanical Analysis of InternalBrace Augmented Patellar Tendon Repair Compared to Standard Repair Technique
David Weiner, MD, Union Memorial Hospital

Lower Extremity

Poster 14
Surgically Relevant Patterns in Triplane Fractures: A Mapping Study
Matthew J. Hadad, BS, Johns Hopkins Hospital

Poster 15
Increased Opioid Consumption in Diabetics with Operative Ankle Fractures
David Weiner, MD, Union Memorial Hospital

Shoulder

Poster 16
Biomechanical Analysis of Shoulder Superior Capsular Reconstruction
Mario Lobao, MD, MedStar Union Memorial Hospital
*Presented by Anand M. Murthi, MD

Poster 17
Biomechanical Analysis of Two Acromioclavicular Joint Reconstruction Techniques: LockDown versus Coracoclavicular Tape Reconstruction
Roshan Melvani, MD, MedStar Union Memorial Hospital
Poster 18
Patient-Reported Outcomes in Shoulder Surgery Patients Using Preoperative Opioids
Sean Meredith, MD, University of Maryland
*Presented by Vidushan Nadarajah, BA

Poster 19
Methodology to Directly Measure Patient Compliance to Shoulder Brace Wear
Anshum Sood, BS, University of Maryland

Upper Extremity

Poster 20
Edward Fakhre, BS, Georgetown University

Poster 21
Transphyseal Humeral Separations are Associated with High Rates of Misdiagnosis
Arun R. Hariharan, MD, MS, University of Maryland

Poster 22
Transphyseal Humeral Separations: What Can We Learn?
Arun R. Hariharan, MD, MS, University of Maryland

Poster 23
Favorable Prognosis for Significant Upper Extremity Weakness Following ACDF
Scott C. Wagner, MD, Walter Reed National Military Medical Center
*Presented by Alfred Pisano, MD

Poster 24
Where Do Midshaft Clavicle Fractures Really Occur? A Novel Fracture Zone Study
David Weiner, MD, Union Memorial Hospital

Poster 25
Syringe External Fixator: An Inexpensive Treatment for Unstable Phalangeal Fractures
Omer Yousaf, MD, Curtis National Hand Center

STATION B

Misc.

Poster 26
Women Entering Academic Orthopaedics are Likelier to Choose Non-Pediatric Fellowships
Walter B. Klyce III, BA, Johns Hopkins University

**Poster 27**
Head Mounted Display Use in Surgery: A Systematic Review  
*Rafa Rahman, BS, Johns Hopkins University*

**Oncology**

**Poster 28**
Clinical Indications for Prophylactic Stabilization of Metastatic Bone Disease  
*Brett Shannon, MD, Johns Hopkins University*  
*Presented by Adam S. Levin, MD*

**Pediatric**

**Poster 29**
Childhood Obesity Associated with Physeal Injuries and Different Fracture Patterns  
*Derek Nhan, BS, Johns Hopkins Children's Center*

**Poster 30**
Delayed Primary Closure versus Split-Thickness Skin Grafts for Pediatric Fasciotomy Closures  
*Derek Nhan, BS, Johns Hopkins Children's Center*

**Spine**

**Poster 31**
Multi-Level Vertebrectomy for Refractory Spondylodiscitis: Clinical Outcomes in 56 Patients  
*Nissim Ackshota, MD, University of Maryland*  
*Presented by Alysa Nash, BS*

**Poster 32**
Delayed Diagnosis of Tandem Spinal Stenosis: A Retrospective Institutional Review  
*Amit Bhandutia, MD, University of Maryland*  
*Presented by Alysa Nash, BS*

**Poster 33**
Prevalence of P. Acnes in Discs of Patients Undergoing ACDF  
*Louis Bivona, MD, MS, University of Maryland*

**Poster 34**
Posterior C1-2 Fusion of Type II Odontoid Fractures in Octogenarians  
*Steven Clark, MD, University of Maryland*  
*Presented by Alysa Nash, BS*
Poster 35
Risk of Rod Fracture in Adult Spinal Deformity Patients Undergoing Long Posterior Spinal Fusion and Three-Column Osteotomy
Mostafa H. El Daafrawy, MD, Johns Hopkins University
*Presented by Micheal Raad, MD

Poster 36
Vertebral Column Resection for the Treatment of Adult Spinal Deformities: Outcomes and Complications with Minimum Two-Year Follow Up
Mostafa H. El Daafrawy, MD, Johns Hopkins University
*Presented by Micheal Raad, MD

Poster 37
Targeting an Epigenetic Regulator: Novel Treatment for Peripheral Nerve Injury
Stephen Fernicola, MD, Uniformed Service University

Poster 38
Risk for Cerebral Desaturation Events in the Beach Chair Position
Ashley Klein, MA, University of Maryland

Poster 39
Bracing and the Lumbar Spine in Adolescent Idiopathic Scoliosis
Adam Margalit, MD, Johns Hopkins University

Poster 40
Adjacent Level Disc Height Predicts Cage Subsidence after TLIF
Alfred Pisano, MD, Walter Reed National Military Medical Center

Poster 41
Depression and Anxiety Progression Affects Spine Surgery Patient-Reported Outcomes
Rafa Rahman, BS, Johns Hopkins University

Poster 42
Biomechanical Evaluation of Lumbar Interbody Fusion for Adjacent Segment Disease
Mark Shasti, MD, University of Maryland

Poster 43
Impaction Grafting Increases Bone Contact Area During TLIF
Andrew Trontis, MD, Union Memorial Hospital

Poster 44
Severe Lumbar Disability is Associated with Decreased Psoas Cross-Sectional Area
Scott C. Wagner, MD, Walter Reed National Military Medical Center
*Presented by Alfred Pisano, MD
Poster 45
Does Diabetes Mellitus Affect Lumbar Paraspinal Muscle Morphometry?
Scott C. Wagner, MD, Walter Reed National Military Medical Center
*Presented by Alfred Pisano, MD

Poster 46
Burden of Posterior Spinal Arthrodesis for AIS Patients and Parents
Matthew Wood, BS, Johns Hopkins Children's Center

Poster 47
Evaluation of Cross-links in Spinal Fusion in Cerebral Palsy Patients
Mohammad Farooq Usmani, MSc, Johns Hopkins University

Total Joint

Poster 48
Major Depressive Disorder, Pain, and Opioid Consumption Following Total Joint Arthroplasty
Jennifer I. Etcheson, MD, MS, Sinai Hospital of Baltimore

Poster 49
Modified One-Stage Revision Arthroplasty May Be Effective in Treating Periprosthetic Joint Infection
Ahmed Siddiqi, DO, Philadelphia College of Osteopathic Medicine
*Presented by Nicole E. George, DO

Poster 50
Opioid Use Patterns One Year after Total Joint Replacement
Andrea Stone, MSN, CRNP, Anne Arundel Medical Center

Poster 51
Does Sex Affect the Readmission Rate in Patients Undergoing Total Joint Replacement Surgery?
Nader Toossi, MD, Rubin Institute