



Maryland Orthopaedic Association

2020 Annual Meeting



Meeting at a Glance



Presidential Guest Speaker

Brooke M. Buckley, MD, FACS
Chief Medical Officer, Meritus Health
Easton, MD



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President's Welcome

Scott C. McGovern, MD

President, Maryland Orthopaedic Association



Dear Colleague,

I am delighted to welcome you to the 2020 Annual Meeting of the Maryland Orthopaedic Association (MOA).

Since the origin of the MOA in 1966, your state professional organization has been the leading vehicle for continued education and fellowship among Maryland orthopaedic surgeons. Our mission to encourage, promote, and advance the science and medical art and practice of orthopaedic surgery has taken many new avenues in continuous improvement of our profession.

The Annual Meeting is the premier forum for the MOA's scientific, educational, and advocacy awareness. With the dedication of this year's program committee, Board, and executive staff led by our Program Chairman, Dr. John-Paul Rue, we are excited to present a meaningful event to bring practical and inspiring material home to our professional practices and our patients. In continued service to our mission, the annual meeting remains free of cost for our membership. We have continued to provide web based clinical material, practice management material, enhanced resident involvement with our Resident's Corner site, as well as an ongoing relay for information on pertinent state legislative activity and communications from the AAOS.

Lastly, we have strengthened our longstanding role for advocacy and interaction with state legislature and the executive branch. Our legislative committee structure has expanded this year with ongoing engagement year to year with your state representatives. The voice of Maryland orthopaedic surgeons is strong with your support. I invite each of you to join me in supporting the MOA Political Action Committee with a donation to the PAC through www.mdortho.org.

It has been an honor to serve as President of our Maryland Orthopaedic Association. I look forward to seeing you today and working together to guide our profession into the next decade. We on the Board of Directors greatly appreciate your involvement and membership in the Maryland Orthopaedic Association and I encourage you to remain engaged in support of our mission.

Sincerely,

Scott McGovern

Scott C. McGovern, MD President

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John-Paul Rue, MD

Presidential Guest Speaker

Brooke M. Buckley, MD, FACS

Chief Medical Officer, Meritus Health



MOA is pleased to have Brooke M. Buckley, MD, FACS as the 2020 Presidential Guest Speaker. She is a board-certified general surgeon raised in Cleveland, Ohio. She completed her undergraduate studies at The Johns Hopkins University and medical school at The Ohio State University College of Medicine and Public Health. Dr. Buckley completed her general surgical internship and residency at Fairview Hospital in the Cleveland Clinic System before taking her first surgical position with Shore Health in Easton, Maryland in 2007. In 2012, she began working for Anne Arundel Medical Center as an Acute Care Surgeon; subsequently she became the Medical Director of that group and the Division Chief of General Surgery.

Dr. Buckley has dedicated a significant portion of her training and professional life to organized medicine and taking a broader look at medical care delivery, with specific interests in emergency surgical care, health-care delivery to rural communities, and physician wellbeing. Through this passion, she has taken on the roll as Chief Medical Officer of CoreLife, a medical weight-loss company. She has served on the Maryland State Medical Society (MedChi) Legislative Council, Political Action Committee, and Board of Trustees. Most recently she served as MedChi President for 2015-2016 and was re-appointed to the American Medical Political Action Committee Board (AMPAC) in 2016. Prior to this, she served through the American Medical Association as both a national officer for the medical student and resident sections as well as on the AMPAC Board as its resident member. She has attended AMPAC's Campaign and Candidate Schools as well as completed MedChi's Physician Leadership Certificate. She was honored as a Top Doc on the Eastern Shore in 2013.

Dr. Buckley is married to Darrin Lowery, PhD, a researcher in geo-archeology. They have three sons; Jack and twins Joshua and Jacob.

Guest Speaker

Daniel K. Guy, MD

Second Vice President, American Academy of Orthopaedic Surgeons



Dr. Guy specializes in hip and shoulder surgery, and sports medicine. He is in private practice at Emory Southern Orthopaedics in LaGrange, Georgia and is on staff at WellStar/West Georgia Health System.

He received his Bachelor of Science from Murray State University in Murray, Kentucky and earned both a Master of Science and a Medical Degree from University of Louisville. Dr. Guy completed his orthopaedic residency at the University of Texas Health Science Center in San Antonio, Texas. After residency, he completed an A-O fellowship in adult reconstruction at the Inselspital in Bern, Switzerland.

Dr. Guy previously served as secretary, chair-elect and chair of the Board of Councilors of the AAOS, where he served on the Academy Board of Directors. Additionally, he served on many Academy committees, project teams and work groups. Dr. Guy is a diplomate of the American Board of Orthopaedic Surgery and is a member of the Alpha Omicron Alpha Medical Honor Society. He is past president and board member of the Georgia Orthopaedic Society.

Dr. Guy enjoys traveling, sports, reading and outdoor activities. He actively participates in his community as team physician to three local high schools and two colleges, and as an elder at First Presbyterian Church in La Grange, Georgia. Dr. Guy and his wife Jill have two children and three grandchildren.



Scientific Program

Tomfool Ballroom (Unless otherwise specified)
February 8, 2020 | Graduate Annapolis Hotel | Annapolis, MD

Presenters and times
subject to change

6:00 am – 4:15 pm **Speaker Ready Room** Surgeon Meeting Room

6:00 am – 4:15 pm **Scientific Poster Presentations**

6:30 am – 6:50 am **Registration & Continental Breakfast**
Annapolis Atrium

6:50 am – 7:00 am **Welcome & Course Overview**
Scott C. McGovern, MD, President
John Paul H. Rue, MD, Program Chair

Session 1 – Foot and Ankle

Moderator: Clifford L. Jeng, MD, The Institute for Foot and Ankle Reconstruction at Mercy

7:00 am-7:09 am Ankle Instability
Rebecca Cerrato, MD, The Institute for Foot and Ankle Reconstruction at Mercy

7:09 am-7:18 am Trauma/Fractures
David J. Keblish, MD, Anne Arundel Medical Center

7:18 am-7:27 am Arthritis
Casey Humbyrd, MD, Johns Hopkins University

7:27 am-7:35 am Discussion

Session 2 – Sports Medicine

Moderator: John-Paul H. Rue, MD, Mercy Medical Center

7:35 am-7:44 am Rotator Cuff Repairs in a Young, Active Population
CDR Lance E. LeClere, MD, US Naval Academy

7:44 am-7:53 am Patellofemoral Instability
LTC Jonathan F. Dickens, MD, Walter Reed National Military Medical Center

7:53 am-8:02 am ACL in 2020
Dimitri M. Thomas, MD, FAAOS, Anne Arundel Medical Center

8:02 am-8:10 am Discussion

8:10 am-8:30 am Break with Exhibitors Annapolis Atrium

Session 3 – Spine

Moderator: Scott C. McGovern, MD, Peninsula Orthopaedic Associates

8:30 am-8:39 am Cervical DDD (Fusion vs Disc Replacement)
Khaled M. Kebaish, MD, Johns Hopkins University

8:39 am-8:48 am Instrumented Lumbar Fusion
P. Justin Tortolani, MD, MedStar Union Memorial

8:48 am-8:57 am Benefits of MIS Lateral Interbody Fusion
Daniel Cavanaugh, MD, University of Maryland

8:57 am-9:05 am Discussion

Session 4 – Pediatrics

Moderator: R. Jay Lee, MD, Johns Hopkins University

9:05 am-9:14 am Fracture Update
Joshua Abzug, MD, University of Maryland

9:14 am-9:23 am Pediatric ACL
R. Jay Lee, MD, Johns Hopkins University

9:23 am-9:32 am Pediatric Fractures: When to Call your Pediatric Orthopaedist
Laura Lewallen, MD, Johns Hopkins University

9:32 am-9:40 am Discussion

Session 5 – Advocacy

Moderator: Scott C. McGovern, MD, Peninsula Orthopaedic Associates

9:40 am-9:50 am Advocacy Panel Discussion
Gary W. Pushkin, MD, MedStar
Nicholas P. Grosso, MD, The Centers for Advanced Orthopaedics
Scott C. McGovern, MD, Peninsula Orthopaedic Associates

9:50 am-9:55 am Discussion

Presidential Guest Speaker Presentation & AAOS Update

Moderator: Scott C. McGovern, MD, Peninsula Orthopaedic Associates

9:55 am-10:40 am **Presidential Guest Speaker**
Brooke M. Buckley, MD, FACS, Meritus Health

10:40 am-10:55 am **AAOS Update**
Daniel K. Guy, MD, FAAOS, Southern Center for Orthopedics

10:55 am-11:15 am Break with Exhibitors Annapolis Atrium

Session 6 – Basic Science Presentations

Moderator: LTC Jonathan F. Dickens, MD, Walter Reed National Military Medical Center

11:15 am-11:21 am Augmented Reality Acetabular Component Positioning in Anterior Total Hip Arthroplasty
Alexander E. Loeb, MD, Johns Hopkins University

11:21 am-11:27 am Longitudinal Analysis of Circulating Markers of Bone Turnover Across Multiple Decades in Osteoporotic Women
CPT Bobby G. Yow, MD, Walter Reed National Military Medical Center

11:27 am-11:33 am Predictors of Allogeneic Blood Transfusion Following Lower Extremity Revision Arthroplasty
Yash P. Chaudhry, DO, Johns Hopkins School of Medicine

11:33 am-11:39 am Racial Disparity in Time-to-Surgery for Hip Fracture Surgery
Suresh K. Nayar, MD, Johns Hopkins Hospital

11:39 am-11:45 am Biomechanical Comparison of Zone 1 5th Metatarsal Base Fracture Fixation
Bryan Bean, MD, MedStar Union Memorial Hospital

Scientific Program



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11:45 am-11:50 am	Discussion	2:09 pm-2:18 pm	IME Pearls Robin Iachini, RN, MS Health Services, Chesapeake Employers' Insurance Company
Session 7 – Adult Reconstruction Moderator: James Nace, DO, Rubin Institute for Advanced Orthopaedics		2:18 pm-2:27 pm	Pain Management and Outcomes Chris Gardner, RN, BSN, WCCM, CCM, Chesapeake Employers' Insurance Company
11:50 am-11:59 am	Total Hip Arthroplasty Updates Marc W. Hungerford, MD, Mercy Hospital	2:27 pm-2:35 pm	Discussion
11:59 am-12:08 pm	Total Knee Reconstruction Pasquale Petrer, MD, Peninsula Orthopaedic Associates	2:35 pm-2:55 pm	Break with Exhibitors Annapolis Atrium
Session 8 – Clinical Research Presentations Moderator: John-Paul H. Rue, MD, Mercy Medical Center		Session 10 – Hand Moderator: John V. Ingari, MD, Johns Hopkins University	
12:08 pm -12:17 pm	The Evolution of Knee Designs H. Paul Khanuja, MD, Johns Hopkins University	2:55 pm-3:04 pm	Upper Extremity Amputee Update CDR Scott M. Tintle, MD, Walter Reed National Military Medical Center
12:17 pm-12:25 pm	Discussion	3:04 pm-3:13 pm	Revision Carpal Tunnel Surgery P. Andrew Holt, MD, PhD, Peninsula Orthopaedic Associates (POA)
12:25 pm-1:25 pm	Lunch Break Annapolis Atrium	3:13 pm-3:22 pm	Nerve Entrapment: 2020 Update John V. Ingari, MD, Johns Hopkins University
Session 9 – Optimizing Outcomes for Workman's Compensation Injuries Moderator: Gary W. Pushkin, MD, MedStar		3:22 pm-3:30 pm	Discussion
1:25 pm-1:31 pm	The Incidence and Characteristics of Shoulder Instability at the United States Naval Academy CPT Bobby G. Yow, MD, Walter Reed National Military Medical Center	Session 11 – Shoulder Moderator: Gregory Gasbarro, MD, Mercy Medical Center	
1:31 pm-1:37 pm	A Dynamic Knee Extension Device Improves Flexion Contracture before Total Knee Arthroplasty: A Randomized Controlled Trial Justin Turcotte, MBA, Anne Arundel Medical Center	3:30 pm-3:39 pm	Posterior Shoulder Instability LTC Kelly G. Kilcoyne, MD, Walter Reed National Military Medical Center
1:37 pm-1:43 pm	Liposomal Bupivacaine Interscalene Block versus Interscalene Catheter in Shoulder Arthroplasty Tristan B Weir, MD, University of Maryland Medical Center	3:39 pm-3:48 pm	Arthroscopic Management of Anterior Instability Mohit Gilotra, MD, University of Maryland
1:43 pm-1:49 pm	Dural Tears are Associated with VTE in Patients Undergoing Spine Surgery Jarred Bressner, MD, Johns Hopkins School of Medicine	3:48 pm-3:57 pm	Primary and Revision Bone Block Procedures for Anterior Instability Zachary R. Zimmer, MD, George Washington University
1:49 pm-1:55 pm	Patellofemoral Pressure Changes with Lateral Retinacular Release after MPFL Reconstruction Brian Gallagher, MD, MedStar Union Memorial Hospital	3:57 pm-4:05 pm	Discussion
1:55 pm-2:00 pm	Discussion	4:05 pm-4:15 pm	Business Meeting/Election of Board of Directors Scott C. McGovern, MD, Peninsula Orthopaedic Associates
2:00 pm-2:09 pm	Independent Medical Examinations: Pearls Gary W. Pushkin, MD, MedStar	4:15 pm-5:15 pm	Social Activity/Lecture/Awards Presentation Surgeon Meeting Room Now What? How to Handle Unexpected or Unintended Complications

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of 8 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Complete the CME forms online at www.mdortho.org/2020cme

Poster Presentations

February 8, 2020 | Graduate Annapolis Hotel | Annapolis, MD

FOOT & ANKLE

Poster 1: Injuries with Knee Scooters as Reported by Lower Extremity Surgeons

Rafa Rahman, BS, Johns Hopkins University School of Medicine

OTHER

Poster 2: Impact of Postoperative Opioid Use on 2-year Patient-Reported Outcomes in Knee Surgery Patients

Jack Song, MD, MS, University of Maryland School of Medicine

PEDIATRICS

Poster 3: Casting Displaced and Non-Displaced Supracondylar Humerus Fractures Yields Similar Outcomes

Alexandra Dunham, MD, Johns Hopkins

Poster 4: BMI versus Severity and Lesion Location in Adolescent Knee OCD

Davis L. Rogers, MD, Johns Hopkins Hospital

PRACTICE MANAGEMENT/EDUCATION

Poster 5: Hospital Payments Increase as Payments to Surgeons Decrease for Orthopaedic Procedures

Majd Marrache, MD, Johns Hopkins School of Medicine

*Presented by Adam Margalit, MD

Poster 6: The Impact of Opioid Prescribing Reduction Interventions on Prescribing Patterns Across Orthopedic Subspecialties

Justin Turcotte, MBA, Anne Arundel Medical Center

Poster 7: Training Modules Improve Surgical Skills Performance on a Validated ASSH Tool

Diana Zhu, MD, Johns Hopkins Orthopaedics

SHOULDER & ELBOW

Poster 8: Mid-Term Results of Two-Stage Revision for Infected Shoulder Arthroplasty

Jacob Joseph, BA, Johns Hopkins University

Poster 9: Biomechanical Strength of Triceps Tendon Repairs

Saisanjana Vattigunta, BA, Johns Hopkins University

Poster 10: Opioid Consumption Following Orthopedic Shoulder Surgery: A Retrospective Analysis

Saisanjana Vattigunta, BA, Johns Hopkins University

Poster 11: Long Head of Biceps Transfer for Dynamic Anteroinferior Glenohumeral Stabilization

Melissa A. Wright, MD, Medstar Union Memorial Hospital

Poster 12: Biomechanics of Distal Tibial Allograft for Anterior Glenohumeral Instability

Melissa A. Wright, MD, Medstar Union Memorial Hospital

SPINE

Poster 13: Differences in the Rate of Surgery for Lumbar Disc Herniation Between the Military and Civilian Healthcare Systems

CAPT Alfred J. Pisano, MD, Walter Reed National Military Medical Center

Poster 14: Making PROMIS Meaningful for Adolescent Idiopathic Scoliosis: Domain Selection Preferences

Stuart L. Mitchell, MD, Johns Hopkins University School of Medicine

SPORTS MEDICINE

Poster 15: Perioperative Opioid Use in Anterior Cruciate Ligament Reconstruction Patients

Ali Aneizi, BS, University of Maryland School of Medicine

Poster 16: Biomechanical Evaluation of Poly-L Lactide Mesh for Patellar Tendon Repair

Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital

Poster 17: Biomechanical Evaluation of Over-The-Top Femoral Fixation Technique for ACL Reconstruction

Heath P. Gould, MD, MedStar Orthopaedic Institute/Union Memorial Hospital

Poster 18: Incidence of Femoroacetabular Impingement in Non-Arthritic Patients with Hip Pain

Julio J. Jauregui, MD, University of Maryland Medical Center

Poster 19: Postoperative Outcomes of Patients Undergoing Fasciotomy for Exercise Induced Compartment Syndrome: A Case Series

Justin Turcotte, MBA, Anne Arundel Medical Center

TOTAL HIP

Poster 20: Surgeon Mean Operative Times for Total Hip Arthroplasty

Yash P. Chaudhry, DO, Johns Hopkins School of Medicine

TOTAL JOINT

Poster 21: Tranexamic Acid and Blood Transfusion Rates in Septic Revision Arthroplasty

Yash P. Chaudhry, DO, Johns Hopkins School of Medicine

Poster 22: Full-Component Aseptic Revision TKA Have Similar Recoveries to Primary TKA

Timothy Costales, MD, University of Maryland Medical Center

TOTAL KNEE

Poster 23: Impact of Preoperative Intra-Articular Injection on Infection Rates Following Total Knee Arthroplasty: An Analysis of Over 19,000 Patients

Nandakumar Menon, MD, Anne Arundel Medical Center

TUMOR

Poster 24: Skip Metastases in Extremity Osteosarcoma

Meghana Jami, BS, Johns Hopkins Department of Orthopaedic Surgery

UPPER EXTREMITY

Poster 25: Assessing PROMIS Pain Interference in Upper Extremity Conditions

Jessica Hawken, MD, The Curtis National Hand Center



Keep Orthopaedic Care Accessible & Affordable

Contribute to the MOA PAC Today

The Maryland Orthopaedic Association Political Action Committee (MOA PAC) supports candidates and legislators at the state level who understand the challenges of practicing as an orthopaedist in Maryland, and who are responsive to the orthopaedic community's viewpoints and objectives. With the passage of legislation that will transform healthcare as we know it, your support is crucial.

Your contribution to the MOA PAC will help ensure that orthopaedic care remains accessible and affordable for all Marylanders!

Contribute online at www.mdortho.org or fill out the attached form and return to the MOA.

Contributions to PACs are not tax deductible as charitable contributions. A person can contribute no more than \$4,000 to one Maryland state campaign account and a total of \$10,000 to all Maryland non-federal campaign accounts during the four year cycle, including in-kind contributions. The current cycle began on January 1, 2019 and will end December 31, 2022.

Maryland Orthopaedic Association

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