Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents

Presented by AAOS, AAHKS, The Knee Society and The Hip Society

FINAL PROGRAM

April 13 – 15, 2018
Baltimore, MD

Ronald Delanois, MD
Gregory Golladay, MD
Course Directors
Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents presented by AAOS/AAHKS/The Hip Society/The Knee Society
April 13-15, 2018, Baltimore, MD
The American Academy of Orthopaedic Surgeons (AAOS), American Association of Hip and Knee Surgeons (AAHKS), The Hip Society and The Knee Society extends sincere appreciation to the below companies for their support of this educational program.

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**In-Kind Support**

Brainlab, Inc.
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SCHEDULE

FRIDAY, APRIL 13

4:30 pm Registration and Dinner (Registration Foyer)

5:00 Welcome and Course Overview (Lecture Room)
Ronald E. Delanois, MD and Gregory Golladay, MD

TOTAL HIP REPLACEMENT
Moderator: Brian G. Evans, MD

5:05 Small Group Case Discussion THA (Basic Principles)
Basic Osteoarthritis
Rheumatoid Arthritis
Osteonecrosis
Discussion Leaders: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

5:45 Preoperative THA Planning and Templating
Peter K. Sculco, MD

6:00 THA Stem Femoral Design: Fitting the Anatomy
C. Anderson Engh Jr, MD

6:15 Hip Template Session
Session Leader: Ronald E. Delanois, MD
Session Instructors Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

7:30 Course Adjourns for the day
SATURDAY, APRIL 14

6:45 am  Breakfast

7:00  Lab Orientation (Lecture Room)
Ronald E. Delanois, MD and Gregory Golladay, MD

SURGICAL APPROACHES IN THA
Moderator: C. Anderson Engh Jr, MD

7:10 am  Surgical Anatomy of the Hip
Nirav K. Patel, MD, MS, FRCS

7:20  INTERACTIVE PRE-RECORDED DEMONSTRATION
Posterior Approach Hip
Julius K. Oni, MD

7:30  INTERACTIVE PRE-RECORDED DEMONSTRATION
Direct Anterior Hip
Anthony S. Unger, MD

7:40  INTERACTIVE PRE-RECORDED DEMONSTRATION
Direct Lateral Hip
Ronald E. Delanois, MD

7:50  Surgical Approaches: A Critique/Faculty Debate
Moderator: Gregory Golladay, MD
Panelists: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

8:00  HANDS-ON SURGICAL SKILLS LAB (LAB)
Surgical Approaches
Acetabular Preparation
Lab Leaders: Ronald E. Delanois, MD and Gregory Golladay, MD
Lab Instructors: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

10:00  Refreshment Break (Lecture Room)

10:15  Small Group Case Discussions THA (Lecture Room)
DDH
Post Traumatic Arthritis Hardware and Deformity
Childhood Hip Disease
Evaluation and Treatment of TJA Infection
Discussion Moderator: Shane Hess, DO
Discussion Leaders: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

11:30  Lunch and Panel Discussion
1:00 pm  
HANDS-ON SURGICAL SKILLS LAB (LAB)  
Femoral Components  
Anatomic Dissection of Hip Specimen  
Lab Leaders: Ronald E. Delanois, MD and Gregory Golladay, MD  
Lab Instructors: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

2:30  
TOTAL KNEE REPLACEMENT (Lecture Room)  
Moderator: James Nace, DO, PT

2:45  
Basic Principles of TKA  
Handout: Michael L. Parks, MD  
Lecturer: Ronald E. Delanois, MD or Gregory Golladay, MD

3:00  
Small Group Case Discussion TKA (Lecture Room)  
Indications: Non-Operative Treatment and Preop Considerations  
Limb Alignment and Deformity  
Soft Tissue Balance and Ligament Releases  
Patella Tracking and Resurfacing  
Discussion Moderator: C. Anderson Engh Jr, MD  
Discussion Leaders: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

4:00  
Panel Discussion: Perioperative Pain Management  
Multimodal analgesia  
Periarticular injections  
Regional / peripheral anesthesia  
Moderator: James Nace, DO, PT  
Panel: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

4:30  
Unicompartmental Knee Arthroplasty: Rationale and Indications  
Jibanananda Satpathy, MD

4:45  
Unicompartmental Knee Replacement: Technical and Surgical Principles  
Handout: Farshad Adib, MD  
Lecture: Gregory Golladay, MD

5:00  
Course Adjourns for the Day
SUNDAY, APRIL 15

PRINCIPLES OF TOTAL KNEE REPLACEMENT (Lecture Room)

6:30 Breakfast

7:00 am PRE-RECORDED VIDEO DEMONSTRATION
Gap Balancing and Measured Resections
Video by R. Michael Meneghini, MD
Moderator: Ronald E. Delanois, MD or Gregory Golladay, MD

7:30 HANDS-ON SKILLS LAB (LAB)
Surgical Exposures
Primary Total Knee
Lab Leader: Ronald E. Delanois, MD
Lab Instructors: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

OPTIONAL LAB: Knee Templating
Lab Leaders: Gregory Golladay, MD
Lab Instructors: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

9:30 Small Group Case Discussions (Lecture Room)
Severe Valgus
Extra-Articular Deformity
Previous Hardware
Obesity
Discussion Moderator: Peter K. Sculco, MD
Discussion Leaders: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

10:30 Panel Discussion: Perioperative Care of the Arthroplasty Patient
Blood Conservation/TXA
DVT Prophylaxis
Physical Therapy
CPM, Cryo Therapy
Risk Optimization
Moderator: Brian G. Evans, MD
Panelists: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh

11:15 Lunch (Registration Foyer/Lecture Room)
Symposium: TKA Complication Avoidance and Management
Wound Closure
Intra-Operative MCL Disruption
Extensor Mechanism Disruption
Moderator: Peter K. Sculco, MD
Panelists: Drs. Caughran, Charpentier, Delanois, Engh, Evans, Golladay, Hess, Nace, Oni, Patel, Satpathy, Sculco, Thakkar, and Walsh
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Directors

Ronald E. Delanois, MD
Rubin Institute for Advanced Orthopedics
Baltimore, MD

Dr. Delanois is a board-certified, fellowship-trained orthopedic surgeon who has more than 20 years of experience with complex hip, knee and shoulder reconstructive surgery. He is the division director of the Center for Joint Preservation and Replacement (CJPR) and is the director of the CJPR Fellowship Program. His emphasis is on diagnostic, arthroscopic and joint preserving procedures for the hip, knee and shoulder. He served 24 years in the United States Air Force; for eight years he was the division head of the Adult Reconstructive Service at the Naval Medical Center Portsmouth. Dr. Delanois and his team deliver advanced orthopedic solutions to patients who suffer from a multitude of joint ailments. He has performed thousands of arthroscopic and reconstructive procedures. He is involved with the latest cutting-edge technology that allows the patient to return to a full and active lifestyle in the shortest amount of time.

Gregory Golladay, MD
VCUHS-MCV
Richmond, VA

Dr. Golladay is Associate Professor of Orthopaedic Surgery and Fellowship Director of Adult Reconstruction at VCU Health. He joined the faculty in 2013 after 12 years in private practice in Michigan, following residency training at the University of Michigan and fellowship at MGH. He is Committee Chairman of the Publications Committee of AAHKS and a Board Member of the Virginia Orthopaedic Society. He was a founding member of MARCQI, the Michigan arthroplasty registry. His current research interests include use of nanosensors for quantitative knee balancing and a variety of projects related to quality improvement in TJA. Dr. Golladay is pleased to be a part of the Baltimore residents’ course for the fourth year and is greatly indebted to the volunteer faculty and the AAOS administrative staff as well as the industry sponsors for their great contributions to this course.

Faculty

Alexander Caughran, MD
Rubin Institute for Advanced Orthopaedics
Sinai Hospital of Baltimore
Baltimore, MD

Paul Charpentier, MD
VCUHS
Richmond, VA
# Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents

**Presented by**

AAOS/AAHKS/The Hip Society/The Knee Society (East)

**April 13-15, 2018 | Baltimore, MD | Course #3365**

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<tr>
<th>Speaker</th>
<th>Institution</th>
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<tr>
<td>C. Anderson Engh Jr, MD</td>
<td>Anderson Orthopedic Research Institute</td>
<td>Alexandria, VA</td>
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<td>Brian G. Evans, MD</td>
<td>MedStar Georgetown University Hospital</td>
<td>Washington, DC</td>
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<td>Shane Hess, DO</td>
<td>The CORE Institute</td>
<td>Phoenix, AZ</td>
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<td>Rothman Institute</td>
<td>Philadelphia, PA</td>
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<td>Jibanananda Satpathy, MD, MRCSEd</td>
<td>VCU Health System</td>
<td>Glen Allen, VA</td>
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<td>Peter K. Sculco, MD</td>
<td>Hospital for Special Surgery</td>
<td>New York, NY</td>
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<td>Savyasachi C Thakkar, MD</td>
<td>Medstar Washington Hospital Center</td>
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