Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents

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

FINAL PROGRAM

May 18 – 20, 2018
Long Beach, CA

Erik N. Hansen, MD
Mark J. Spangehl, MD
Course Directors
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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Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents presented by AAOS, AAHKS, The Hip Society and The Knee Society #3367
May 18-20, 2018; Science Care Facility; Long Beach, CA
Erik N. Hansen, MD and Mark J. Spangehl, MD

CMEs: 20.00
as of April 18, 2018
Content and faculty subject to change

SCHEDULE

FRIDAY, MAY 18

4:30 pm Registration/Dinner/Exhibits (Registration Foyer)

5:00 Welcome and Course Overview (Lecture Room)
Erik N. Hansen, MD

TOTAL HIP REPLACEMENT
Moderator: Erik N. Hansen, MD

5:05 Small Group Case Discussion THA (Basic Principles)
Basic Osteoarthritis
Rheumatoid Arthritis
Osteonecrosis
Discussion Leaders: Drs. Amanatullah, Bengs, Bhagia, Detch, Hansen, Oakes, Patel, Sassoon, Schwartz, Spangehl, Spitzer, and Ward

5:45 Preoperative THA Planning and Templating
Benjamin C. Bengs MD

6:00 THA Stem Femoral Design: Fitting the Anatomy
Adam Schwartz, MD

6:15 Hip Template Session
Session Leaders: Erik N. Hansen, MD and Mark J. Spangehl, MD
Session Instructors: Drs. Amanatullah, Bengs, Bhagia, Detch, Hansen, Oakes, Patel, Sassoon, Schwartz, Spangehl, Spitzer, and Ward

7:30 Course Adjourns for the day
SATURDAY, MAY 19

6:30 am   Continental Breakfast/Exhibits
7:00 am   Lab Orientation (Lecture Room)

SURGICAL APPROACHES IN THA
Moderator: Adam Schwartz, MD

7:10 am   Surgical Anatomy of the Hip
          Adam Sassoon MD

7:20      INTERACTIVE PRE-RECORDED DEMONSTRATION
          Posterior Approach Hip
          Daniel A. Oakes, MD

7:35      INTERACTIVE PRE-RECORDED DEMONSTRATION
          Direct Anterior Hip
          Video by Mark J. Spangehl, MD

7:50      Surgical Approaches: A Critique/Faculty Debate
          Moderator: Adam Schwartz, MD
          Panel: Drs. Hansen, Oakes, Spangehl, and Spitzer

8:00      HANDS-ON SURGICAL SKILLS LAB
          Surgical Approaches
          Acetabular Preparation
          Lab Leaders: Erik N. Hansen, MD and Mark J. Spangehl, MD
          Lab Instructors: Drs. Amanatullah, Bengs, Bhagia, Detch, Oakes, Patel, Sassoon, Schwartz, Spitzer, and Ward

10:00     Refreshment Break/Exhibits

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 Leaders: Drs. Amanatullah, Bengs, Bhagia, Detch, Hansen, Oakes, Sassoon, Schwartz, Spangehl, Spitzer, and Ward

11:30     Lunch and Panel Discussion (Lecture Room)

1:00 pm   HANDS-ON SURGICAL SKILLS LAB
          Femoral Components
          Anatomic Dissection of Hip Specimen
          Lab Leaders: Erik N. Hansen, MD and Mark J. Spangehl, MD
          Lab Instructors: Drs. Amanatullah, Bengs, Bhagia, Detch, Oakes, Patel, Sassoon, Schwartz, Spitzer, and Ward
2:30 Refreshment Break/Exhibits

**TOTAL KNEE REPLACEMENT (Lecture Room)**
Moderator: *Mark J. Spangehl, MD*

2:45 Basic Principles of TKA
*Erik N. Hansen MD*

3:00 **Small Group Case Discussion TKA**
Indications: Non-Operative Treatment and Preop Considerations
Limb Alignment and Deformity
Soft Tissue Balance and Ligament Releases
Patella Tracking and Resurfacing
Discussion Leaders: *Drs. Amanatullah, Bengs, Bhagia, Detch, Hansen, Oakes, Patel, Sassoon, Schwartz, Spangehl, Spitzer, and Ward*

4:00 Perioperative Pain Management
*Andrew I. Spitzer, MD*

4:20 Panel Discussion: Perioperative Pain Management
Moderator: *Andrew I. Spitzer, MD*
Panel: *Drs. Bhagia, Oakes, Spangehl, and Ward*

4:45 Unicompartmental Knee Arthroplasty: Indications and Principles
*Derek Ward, MD*

5:00 Course Adjourns for the Day
SUNDAY, MAY 20

6:30 am  Continental Breakfast/Exhibits

PRINCIPLES OF TOTAL KNEE REPLACEMENT (Lecture Room)
Moderator: Mark J. Spangehl, MD

7:00 am  PRE-RECORDED VIDEO DEMONSTRATION
Gap Balancing and Measured Resections
Video by: Derek F. Amanatullah, MD

7:30  HANDS-ON SKILLS LAB
Surgical Exposures
Primary Total Knee
Lab Leaders: Erik N. Hansen, MD and Mark J. Spangehl, MD
Lab Instructors: Drs. Amanatullah, Bengs, Bhagia, Detch, Oakes, Patel, Sassoon, Schwartz, and Ward
 OPTIONAL: Knee Templating Session

9:30  Small Group Case Discussions (Lecture Room)
Severe Valgus
Extra-Articular Deformity
Previous Hardware
Obesity
Discussion Leaders: Drs. Amanatullah, Bengs, Bhagia, Detch, Hansen, Oakes, Patel, Sassoon, Schwartz, Spangehl, and Ward

10:30  Panel Discussion: Perioperative Care of the Arthroplasty Patient
Blood Conservation/TXA
DVT Prophylaxis
Physical Therapy
CPM, Cryo Therapy
Risk Optimization
Moderator: Daniel A. Oakes, MD
Panel: Drs. Bengs, Hansen, Sassoon

11:15 Lunch (Lecture Room)
Symposium: TKA Complication Avoidance and Management (Lecture Room)
Wound Closure
Intra-Operative MCL Disruption
Extensor Mechanism Disruption
Moderator: Daniel A. Oakes MD
Panel: Drs. Bengs, Bhagia, Schwartz, and Spangehl

12:30 pm  HANDS-ON SKILLS LAB
Advanced and Extensive Exposures
Complete Knee Dissection
Lab Leaders: Erik N. Hansen, MD and Mark J. Spangehl, MD
Lab Instructors: Drs. Amanatullah, Bengs, Bhagia, Detch, Oakes, Patel, Sassoon, Schwartz, and Ward

3:00  Course Adjourns

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DIRECTORS

Dr. Erik Hansen is an orthopaedic surgeon in the Arthroplasty Service of the UCSF Orthopedic Institute. Dr. Hansen specializes in reconstructive, replacement and revision surgery of the hip and knee, and has expertise in the direct anterior hip approach for hip joint replacement. In his research, he focuses on the diagnosis, treatment and prevention of periprosthetic joint infection.

Dr. Hansen earned a medical degree and completed an orthopaedic surgery residency at UCSF. He served as a fellow in adult reconstructive surgery at the Rothman Institute at Thomas Jefferson University in Philadelphia. Hansen directs a total joint database and a periprosthetic infection database, and is an assistant professor in residence of orthopedic surgery.

Mark J. Spangehl, MD
Mayo Clinic Arizona
Phoenix, AZ

Dr. Mark Spangehl is an Adult Reconstructive Surgeon at Mayo Clinic Arizona in Phoenix, Arizona. He also serves as Program Director of the Orthopaedic Surgery Residency Program at Mayo Clinic Arizona. His practice specializes in hip and knee arthroplasty, including complex primary and revision surgery, and the use of the direct anterior approach for total hip replacement.

Dr. Spangehl completed his orthopaedic residency through the University of British Columbia, Vancouver BC, and an Adult Reconstruction Fellowship at Mayo Clinic in Rochester, MN. Research interests include periprosthetic joint infection, pain management after total joint replacement and other topics to advance specialty of hip and knee replacement. He is Associate Professor of Orthopaedic Surgery, Mayo Clinic College of Medicine and Science.

FACULTY

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