AAOS/AAHKS/The Knee Society
Innovative Surgical Techniques in Knee Arthroplasty: Early Intervention to Revision

PROGRAM SCHEDULE

15.75 CME Credits

February 16 – 18, 2017
OLC Education & Conference Center • Rosemont, IL

Henry D. Clarke, MD, and James A. Browne, MD
Course Directors
The American Academy of Orthopaedic Surgeons (AAOS), the American Association of Hip and Knee Surgeons (AAHKS), and the Knee Society extend sincere appreciation to the following companies for their support of this program.

GRANTS

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SCHEDULE
THURSDAY, FEBRUARY 16

3:30 pm  Registration (Registration Desk A)
Refreshments & Snacks

4:00  Welcome and Course Overview (Auditorium A)
Henry D. Clarke, MD

SURGICAL TREATMENT OF KNEE ARTHRITIS: UNICOMPARTMENTAL ARTHROPLASTY
Moderator: Henry D. Clarke, MD

4:05  Patient Selection for UKA: What Does The Data Tell Us?
Ran Schwarzkopf, MD

4:15  PRE-RECORDED VIDEO DEMONSTRATION
Fixed Bearing UKA
Ryan Nunley, MD

4:30  PRE-RECORDED VIDEO DEMONSTRATION
Mobile Bearing UKA
Denis Nam, MD, MSc

4:45  UKA Complications & Common Pitfalls
Denis Nam, MD, MSc

5:00  Questions & Answers

5:10  SMALL GROUP BREAKOUT DISCUSSIONS
Moderator: Henry D. Clarke, MD
Knee OA Options: UKA, PFA, TKA and Various Designs
Discussion Leaders: Drs. Clarke, Browne, Abdel, Backstein, Chen, Dennis, Meneghini, Nam, Nelson, Nunley, Schwarzkopf, Spangehl

5:40  Refreshment Break (Auditorium AB Foyer)

PERI-OPERATIVE PATIENT OPTIMIZATION IN KNEE ARTHROPLASTY
Moderator: James A. Browne, MD
5:45  Blood Management Strategies in 2017
Antonia F. Chen, MD, MBA
   R. Michael Meneghini, MD

6:05 DVT Prophylaxis in 2017: Risk Stratification
   Mark J. Spangehl, MD

6:15 Questions & Answers

6:25 Announcements & Adjourn
   Henry D. Clarke, MD

6:30-7:30 pm FuZion™ Balancing Instruments and the Persona™ Knee System* (Auditorium A)
   Trevor Murray, MD

* Industry Spotlight Sessions are Non-CME; Views and Products Are Not Endorsed by AAOS, AAHKS, or The Knee Society
FRIDAY, FEBRUARY 17, 2017

6:55 am Welcome and Announcements (Auditorium A)
  James A. Browne, MD

SURGICAL TREATMENT OF KNEE ARTHRITIS: UNICOMPARTMENTAL ARTHROPLASTY
Moderator: Douglas Naudie, MD, FRCSC

7:00 PRE-RECORDED VIDEO DEMONSTRATION (Auditorium A)
  Robotic Assisted UKA
  Ran Schwarzkopf, MD

7:10 PRE-RECORDED VIDEO DEMONSTRATION
  Patellofemoral Arthroplasty
  R. Michael Meneghini, MD

7:20 – 8:00 HANDS-ON SURGICAL SKILLS LAB (Lab B)
  Introduction: James A. Browne, MD
  1. Medial Unicompartmental Knee Arthroplasty
  2. PF Arthroplasty
  Mechanical Instruments/PSI/Robotic Assisted
  Lab Leaders: Lab Leaders: Henry D. Clarke and James A. Browne, MD
  Lab Instructors: Drs. Clarke, Browne, Abdel, Backstein, Chen, Dennis, Huddleston, Meneghini, Nam, Naudie, Nelson, Nunley, Schwarzkopf, Spangehl

8:00 – 9:00 HANDS-ON BREAKOUT SESSIONS
  Patient Specific Instrumentation
  Robotics
  *Course participants will have the opportunity to visit several stations to learn about different patient specific instrumentation as well as robotic-assisted surgery.*

9:00 Refreshment Break (Auditorium AB Foyer)

TKA FUNDAMENTALS (Auditorium A)
Moderator: James I. Huddleston III, MD

9:15 Measured Resection TKA
  Charles L. Nelson, MD

9:25 Gap Balancing TKA
  Douglas A. Dennis, MD
9:35 Varus-Valgus Releases  
*Henry D. Clarke, MD*

9:45 **PRE-RECORDED VIDEO DEMONSTRATION**  
Bicruciate Retaining TKA  
*Ran Schwarkoff, MD*

10:00 **PRE-RECORDED VIDEO DEMONSTRATION**  
Conversion of UKA to TKA  
*David Backstein, MD*

10:10 Audience Questions & Review

| 10:20 | **HANDS-ON SURGICAL SKILLS LAB (Lab B)**  
Primary Total Knee Arthroplasty  
Mechanical Instruments/Navigation/PSI/Robotic Assisted/Custom  
Lab Leaders: *Henry D. Clarke and James A. Browne, MD*  
Lab Instructors: Drs. Clarke, Browne, Abdel, Backstein, Chen, Dennis, Huddleston, Meneghini, Nam, Naudie, Nelson, Nunley, Schwarzkopf, Spangehl |

| 11:00 – 11:45 | **HANDS-ON BREAKOUT SESSIONS**  
Patient Specific Instrumentation  
Robotics  
Course participants will have the opportunity to visit several stations to learn about different patient specific instrumentation as well as robotic-assisted surgery. |

LUNCH / CONTROVERSIAL TKA TOPICS AND PANEL DISCUSSION (Auditorium A)  
**Moderator:** *Douglas A. Dennis, MD*

11:45 Cementless TKA -- *R. Michael Meneghini, MD* (6 mins)  
Custom TKA -- *Henry D. Clarke, MD* (6 mins)  
Component Rotation in TKA – *David Backstein, MD* (6 mins)  
Kinematic versus Classic Alignment -- *Denis Nam, MD, MSc* (6 mins)  
Highly Cross-Linked Polyethylene in TKA – *James I. Huddleston, III, MD* (6mins)  
Metal Allergy in TKA -- *Henry D. Clarke, MD* (6 mins)

12:25 Panel Discussion

**REVISION TKA: CORE CONCEPTS**  
**Moderator:** *Mark J. Spangehl, MD*

12:35 Evaluation of the Painful TKA  
*Henry D. Clarke, MD*

12:45 Basic Principles and Planning for Revision TKA  
*Douglas A. Dennis, MD*

12:55 Extensile Approaches for Revision TKA  
*David Backstein, MD*
1:05  Implant Removal  
*Charles L. Nelson, MD*

1:15  Stem Fixation in Revision TKA: Cemented or Pressfit  
*Douglas Naudie, MD, FRCSC*

1:25  Choosing the Level of Constraint in Revision TKA  
*James A. Browne, MD*

1:35  Audience Questions & Review

**REVISION TKA: VIDEO HIGHLIGHTS-MANAGEMENT OF BONE LOSS**  
Moderator: *Douglas Naudie, MD, FRCSC*

1:50  **PRE-RECORDED VIDEO DEMONSTRATION**  
Management of Bone Defects: Porous Tantalum Cones  
*Matthew P. Abdel, MD*

2:00  **PRE-RECORDED VIDEO DEMONSTRATION**  
Management of Bone Defects: Modular Sleeves  
*Douglas A. Dennis, MD*

2:10  **PRE-RECORDED VIDEO DEMONSTRATION**  
Management of Bone Defects: Porous Titanium Lobed Cones  
*R. Michael Meneghini, MD*

2:20  Audience Questions & Review

2:30  Refreshment Break (Auditorium AB Foyer)

2:45  **HANDS-ON SURGICAL SKILLS LAB (Lab B)**  
Revision TKA: Exposure, Implant Removal, Instrumentation, Balance, Augments  
Lab Leaders: *James A. Browne, MD and Henry D. Clarke, MD*  
Lab Instructors: *Drs. Clarke, Browne, Abdel, Backstein, Chen, Dennis, Huddleston, Meneghini, Nam, Naudie, Nelson, Nunley, Schwarzkopf, Spangehl*

4:35  **SMALL GROUP BREAKOUT SESSIONS & CASE-BASED PANEL DISCUSSION (Auditorium A)**  
Revision TKA: Instability, Bone Loss, Extensor Mech. Disruption, etc.  
Moderator: *Henry D. Clarke, MD*  
Small Group Leaders: *Browne, Chen, Huddleston, Meneghini, Nam, Naudie, Schwazkopf*  
Panel: *Drs. Backstein, Dennis, Nelson, Nunley, Spangehl*

5:20  Announcements & Adjourn  
*James A. Browne, MD*

5:30-6:30 pm  Value in Total Knee Arthroplasty: Efficiency, Kinematics and Patient Satisfaction*  
*James A. Browne, MD and R. Michael Meneghini, MD*

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SATURDAY, FEBRUARY 18, 2017

7:00-8:00 am  Robotic-Assisted UKA and TKA* (Auditorium A)
   Vivek S. Neginhal, MD

CURRENT CONCEPTS IN TKA (Auditorium A)
8:03     Announcements
   James A. Browne, MD

Moderator: James A. Browne, MD
8:08     Current Concepts in TKA: (5 minute Talks followed by discussion)
   Mechanical Instruments vs Navigation -- Henry D. Clarke, MD
   Custom Guides in TKA -- Ryan Nunley, MD
   Robotic-Assisted TKA -- R. Michael Meneghini, MD
   Hand Held Accelarometer Based Navigation -- Denis Nam, MD, MSc

9:03     Refreshment Break (Auditorium AB Foyer)

PERI-PROSTHETIC TKA INFECTION
Moderator: David Backstein, MD

9:18     Making the Diagnosis of Peri-Prosthetic Joint Infection
   Antonia F. Chen, MD, MBA

   PRE RECORDED VIDEO DEMONSTRATION
9:26     Two Stage Debridement with Antibiotics Beads for Acute PJI
   Mark J. Spangehl, MD

9:34     One Stage Versus Two Stage Revision for Chronic PJI
   Charles L. Nelson, MD

   PRE-RECORDED VIDEO DEMONSTRATION
9:42     Static Spacer: Indications and Surgical Tips
   James A. Browne, MD

9:50     PRE-RECORDED VIDEO DEMONSTRATION
   Articulating Spacers using Conventional Components
   Matthew P. Abdel, MD

9:58     PRE-RECORDED VIDEO DEMONSTRATION
   Modular Pre-Formed Articulating Spacer
   R. Michael Meneghini, MD

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10:05  Questions & Answers

10:15  Refreshment Break (Auditorium AB Foyer)

TKA SOLUTIONS FOR COMPLEX PROBLEMS (Auditorium A)
Moderator: Matthew P. Abdel, MD

10:30  PRE-RECORDED VIDEO DEMONSTRATION
Extensor Mechanism Reconstruction
James A. Browne, MD

10:40  PRE-RECORDED VIDEO DEMONSTRATION
Hinges: When is a Constrained Condylar Prosthesis Not Enough?
Charles L. Nelson, MD

10:50  OUTPATIENT AND EARLY DISCHARGE TKA SYMPOSIUM (7 mintalks)
Moderator: Henry D. Clarke, MD
Safely Selecting Patients for Early Discharge -- R. Michael Meneghini, MD
Optimal Location: Hospital or ASC? -- Denis Nam, MD, MSc
Avoiding Readmissions—James A. Browne, MD

11:20  Questions and Answers

11:30  Closing Remarks and Adjourn
Henry D. Clarke, MD

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