Dr. Arlen Hanssen is a Professor of Orthopaedic Surgery at Mayo Clinic College of Medicine in Rochester, MN. He received his M.D. from Saint Louis University School of Medicine and did his Orthopaedic residency training at Mayo Clinic in Rochester, MN. His background in the care of patients with musculoskeletal infection is fairly extensive with primary research interests related to the diagnosis and clinical outcomes of the infected joint arthroplasty. His collaborations in basic research with infectious diseases and microbiology focus on novel strategies for the prevention, detection and management of orthopedic infections. Dr. Hanssen has received numerous awards for his research as well as research grants with the emphasis being on study of the prevention, diagnosis and treatment of infected hip and knee arthroplasty. He has over 200 research publications in peer reviewed journals and numerous published book chapters.
8:00 a.m.  Welcome and Introduction  
L. Daniel Wurtz, M.D., Associate Professor  
Chair, IU Department of Orthopaedic Surgery

8:15 a.m.  Liposomal Bupivacaine vs Traditional Periarticular Injection for Pain Control After Total Knee Arthroplasty  
Deren Bagsby, M.D., PGY-4 Orthopaedic Resident  
R. Michael Meneghini, M.D., Faculty Mentor

8:30 a.m.  Inter- and Intrarater Reliability of the Soong Classification for Distal Radius Volar Locking Plate Placement: A Consecutive Series  
James Creighton, M.D., PGY-4 Orthopaedic Resident  
F. Thomas Kaplan, M.D., Faculty Mentor

8:45 a.m.  Correlation between MRI Findings and Clinical Outcomes After Revision Total Hip Arthroplasty for Adverse Local Tissue Reaction and Metal-Hypersensitivity  
Adam Huff, M.D., PGY-4 Orthopaedic Resident  
R. Michael Meneghini, M.D., Faculty Mentor

9:00 a.m.  Midterm Performance of Distal Radial Ulnar Joint Arthroplasty  
Chase Maloy, M.D., PGY-4 Orthopaedic Resident  
Nicolas Crosby, M.D., Faculty Mentor

9:15 a.m.  Are serial follow-ups necessary for all hip hemiarthroplasty patients?  
Brian Wissel, M.D., PGY-4 Orthopaedic Resident  
Renn Crichlow, M.D., Faculty Mentor

9:30 a.m.  Morning Break

9:45 a.m.  Bone Defect Management Revision TKR  
Introduction of Arlen Hanssen, M.D., Mayo Clinic  
The George J. Garceau and James B. Wray Lecturer

10:45 a.m.  Patient Satisfaction and Functional Outcomes in Unicompartmental Knee Arthroplasty Compared to Total Knee Arthroplasty: A Radiographic Matched Cohort Analysis  
Kirsten Jansen, M.D., Adult Reconstruction Fellow  
R. Michael Meneghini, M.D., Faculty Mentor

11:00 a.m.  Dual-Pivot Total Knee Arthroplasty Designed to Replicate Native Knee Kinematics: Are Early Outcomes Better Than Traditional TKA Designs?  
Rory Sandberg, M.D., Adult Reconstruction Fellow  
R. Michael Meneghini, M.D., Faculty Mentor

11:15 a.m.  Gouty Enthesopathy of the Patellar Tendon: A Review of 2 Cases  
Robert Cagle, M.D., Sports Medicine Fellow  
Arthur Retig, M.D. & Thomas Klootwyk, M.D., Faculty Mentors

11:30 a.m.  Unicortical Button Repair of Distal Biceps Tendon Rupture  
Jue Cao, M.D., Hand Fellow  
Greg Merrell, M.D. & Kathryn Peck, M.D., Faculty Mentors

11:15 a.m.  Elbow Osteochondritis Dissecans in Adolescent Gymnasts  
Paul Nielsen, M.D., Hand Fellow  
Jeffrey Greenburg, M.D., Faculty Mentor

11:30 a.m.  Testing of Primary Neurorrhaphy Strain: Evaluating 8.0 Nylon as the Gold Standard  
Brandon Smetana, M.D., Hand Fellow  
Jeffrey Greenburg, M.D., Faculty Mentor

11:45 a.m.  Radiation Exposure Safety Patterns Amongst Members of the American Society for Surgery of the Hand  
Alexander Choo, M.D., Hand Fellow  
Reed Hoyer, M.D., Faculty Mentor

12:00 p.m.  Cost Effectiveness of Acid Fast Bacilli Cultures in Orthopedic Trauma  
Amar Patel, M.D., Hand Fellow  
F. Thomas Kaplan, M.D., Faculty Mentor

12:15 p.m.  Reinforcement of the Tendon Bridge Strength in Tendon L-Shaped Tendon Lengthening: A Biomechanical Analysis  
Megan Crosmer, M.D., Hand Fellow  
Jeffrey Greenburg, M.D., Faculty Mentor

12:30 p.m.  L-shaped Tendon Flaps for Extensor Pollicis Longus and Flexor Pollicis Longus Reconstruction: a Cadaveric Study of Maximal Length  
Shannon Yehyawi, M.D., Hand Fellow  
Kathryn Peck, M.D., Faculty Mentor

2:00 p.m.  Elderly Distal Femur Fractures with Immediate Weight Bearing Benefit from Mobilization Without Sacrificing Radiographic or Functional Outcomes  
Charlie Lieder, D.O., Methodist Trauma Fellow  
Laurence Kempton, M.D., Faculty Mentor

2:15 p.m.  Treatment of Infected THR and TKR  
Arlen Hanssen, M.D., Mayo Clinic  
The George J. Garceau and James B. Wray Lecturer

2:30 p.m.  Elderly Distal Femur Fractures with Immediate Weight Bearing Benefit from Mobilization Without Sacrificing Radiographic or Functional Outcomes  
Charlie Lieder, D.O., Methodist Trauma Fellow  
Laurence Kempton, M.D., Faculty Mentor

2:45 p.m.  Testing of Primary Neurorrhaphy Strain: Evaluating 8.0 Nylon as the Gold Standard  
Alexander Choo, M.D., Hand Fellow  
Reed Hoyer, M.D., Faculty Mentor

3:00 p.m.  Cost Effectiveness of Acid Fast Bacilli Cultures in Orthopedic Trauma  
Amar Patel, M.D., Hand Fellow  
F. Thomas Kaplan, M.D., Faculty Mentor

3:15 p.m.  Radiation Exposure Safety Patterns Amongst Members of the American Society for Surgery of the Hand  
Alexander Choo, M.D., Hand Fellow  
Reed Hoyer, M.D., Faculty Mentor

3:30 p.m.  Reinforcement of the Tendon Bridge Strength in Tendon L-Shaped Tendon Lengthening: A Biomechanical Analysis  
Megan Crosmer, M.D., Hand Fellow  
Jeffrey Greenburg, M.D., Faculty Mentor

3:45 p.m.  L-shaped Tendon Flaps for Extensor Pollicis Longus and Flexor Pollicis Longus Reconstruction: a Cadaveric Study of Maximal Length  
Shannon Yehyawi, M.D., Hand Fellow  
Kathryn Peck, M.D., Faculty Mentor

4:00 p.m.  Award - Best Paper  
L. Daniel Wurtz, M.D., Associate Professor  
Chair, IU Department of Orthopaedic Surgery
**Course description**

This course is intended for orthopaedic surgeons, residents and orthopaedic allied health professionals. This lecture series brings the most recent advances in the field of orthopaedic surgery by allowing experts, community physicians and researchers to come together to address a variety of orthopaedic topics in the area of diagnosis and treatment for hip, spine, shoulder, knee, pediatrics, trauma, foot and ankle disorders. Dr. Arlen Hanssen, Professor of Orthopaedic Surgery at Mayo Clinic College of Medicine in Rochester, MN will share his expertise and knowledge in the prevention, diagnosis and treatment of infected hip and knee arthroplasty. Local residents and fellows will present current research and concepts.

**Course objectives**

At the end of the program, participants should be able to:

- Recognize appropriate reconstructive techniques involving bony defects in knee replacement surgery
- Appropriately address the diagnosis and the medical and surgical treatment of infections
- Recognize results of using liposomal bupivacaine vs traditional periarticular injections for pain control after total knee arthroplasty
- Recognize the reliability of the Soong Classification when using this system in describing volar plate position
- Apply best practices in implementing immediate weight bearing of the elderly patient with distal femur fractures so that radiographic or functional outcomes are not sacrificed

**Location**

This program will be held at the NCAA Hall of Champions, Walter Byers Auditorium located at 700 W Washington Street in Indianapolis, Indiana. Free parking is available in the IUPUI Riverwalk garage (see enclosed map). After parking in the Riverwalk Garage, go to ground level and walk across the street to NCAA.

**Further information**

Tina Lee (317) 278-5835 or tinlee@iu.edu.

**Registration**

There is no registration fee for this program; however, online preregistration is appreciated. After June 7, please register at the door.

**Accreditation Statement**

The Indiana University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Designation Statement**

The Indiana University School of Medicine designates this live activity for a maximum of 6.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Faculty Disclosure Statement**

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support, educational programs sponsored by the Indiana University School of Medicine (IUSM) must demonstrate balance, independence, objectivity, and scientific rigor. All faculty, authors, editors, and planning committee members participating in an IUSM-sponsored activity are required to disclose any relevant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services that are discussed in an educational activity.
Parking Map
The Department of Orthopaedic Surgery began in 1948, with the appointment of Dr. George J. Garceau as Chairman of the Department. Primarily known for his work in children’s problems, especially clubfoot, Dr. Garceau guided the Department through 1966, when Dr. James B. Wray was appointed the first full-time Professor and Chairman of the Department.

Dr. Wray recruited a young group of orthopaedic surgeons to serve as the nucleus of the full-time academic department. In 1967, Dr. James B. Wray established basic science research in orthopaedics, which continued under National Institutes of Health support until 1984.