

ORTHOPAEDIC GRAND ROUNDS CONFERENCE

Wednesday, December 14, 2016
103 Bryan Research Building
6:30 A.M. – 7:30 A.M.

6:30-6:50 A.M. **Fibrous Dysplasia – Beau J. Kildow, M.D.**
6:50-7:10 A.M. **Oblique Lumbar Interbody Fusion – Sean P. Ryan, M.D.**
7:10-7:30 A.M. **Gap Balance vs Measured Resection in Total Knee Arthroplasty – Tyler J. Vovos, M.D.**



Joint Accreditation Statement: In support of improving patient care, the Duke University Health System Dept of Clinical Education & Professional Development is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the health care team.

Credit Designation Statement: Duke University Health System Dept of Clinical Education and Professional Development designates this educational activity for a maximum of 1 AMA PRA Category 1 Credit(s). Physicians should claim only credit commensurate with the extent of their participation in the activity.

Faculty, Physician Assistants, and Area Orthopaedists are eligible to receive CME credits for this activity; however, they must sign-in on the attendance sheets provided. **In order to remain CME compliant, all speakers must sign a Faculty Disclosure Form.** Please contact Ms. Sharon Long, CME Associate for Orthopaedic Surgery at Sharon.Long@mc.duke.edu or (919) 684-3170.

Summary of Faculty Disclosure/Planning Committee: The Following speakers and/or planning members have indicated that they have relationship(s) with industry to disclose: Drs. Kildow, Ryan and Vovos have nothing to disclose.

WEDNESDAY, December 14, 2016

Core Rounds	7:30 – 8:20 A.M.	103 Bryan Research Building
<i>Radiology: MRI Basics – Charles Spritzer, M.D.</i>		
Hand and Upper Extremity Anatomy Lab	5:30 – 7:00 P.M.	0044A Duke Clinic Bldg.
<i>No Lab</i>		

THURSDAY, December 15, 2016

Fracture/Trauma Board Rounds	6:00 – 6:30 A.M.	1515 Duke North Radiology
Fracture/ Trauma Conference	6:30 – 7:00 A.M.	1515 Duke North Radiology
<i>Phalanx Fractures (Finger)</i>		
Hand/ Upper Extremity Radiology Conference [1 st]	6:30 – 7:30 A.M.	1512 Duke North Radiology
Foot and Ankle MRI Conference [2 nd and 4 th]	6:30 – 7:30 A.M.	2125 ASC Conference Room
Orthopaedic Pediatric and Journal Club Conference	7:30 – 8:30 A.M.	107 Lenox Baker Children's Hospital
Musculoskeletal Histopathology Conference	7:45 – 8:45 A.M.	2-2 Cancer Center
Core Skills	5:30 – 7:30 P.M.	0101A Duke Clinic Bldg. or Trent Semans Center
<i>No Skills Lab</i>		

FRIDAY, December 16, 2016

Adult Reconstruction Case Conference	6:30 – 7:15 A.M.	1515 Duke North Radiology
Foot & Ankle Indications Conference	6:30 – 7:30 A.M.	7683A HAFS Building, 7 th Floor
Hand Surgery Indications Conference	6:30 – 7:15 A.M.	2125 ASC Conference Room
Spine Case Conference	6:30 – 7:30 A.M.	1N07 – Cancer Center Radiology Conference Room
Sports Medicine Team Meeting – Faculty and Fellows	6:15 – 7:00 A.M.	Stedman Auditorium 3475 Erwin Road
Sports Medicine Conference – No Conference	7:00 – 8:30 A.M.	Stedman Auditorium 3475 Erwin Road
<i>Quarterly Sports Medicine Business Meeting</i>		
Sports Medicine Cadaver Lab	9:30 A.M. – 2:00 P.M.	0044A Human Fresh Tissue Lab

NEXT WEEK

MONDAY, December 19, 2016

Core Interactive	6:30 – 7:00 A.M.	3 rd Floor Classrooms, Trent Semans Center
<i>Oncology: Sawbones: Prophylactic Nailing</i>		
Pediatric Orthopaedic Indications Conference	6:15 – 7:15 A.M.	2902 Children's Health Center
Spine Preop Conference 2 nd and 4 th	7:15 – 7:45 A.M.	1512 Duke North Radiology

TUESDAY, December 20, 2016

Specialty Core	6:15 – 7:15 A.M.	Trent Semans Center Great Learning Hall
<i>Oncology: Malignant Tumors</i>		
Hand and Upper Extremity Conference	6:30 – 7:15 A.M.	0400 North Pavilion, Lower Level
<i>Tendon Transfers for Ulnar and Median Nerve Injury – Fraser J. Leversedge, M.D.</i>		
Foot and Ankle Conference	6:30 – 7:15 A.M.	2125 ASC Conference Room
<i>Midfoot Trauma and Arthritis – James K. DeOrio, M.D.</i>		
Musculoskeletal Radiology-Pathology Conference	7:30 – 8:30 A.M.	1512 Duke North Radiology

ANNOUNCEMENTS

Friday, December 16, 2016 – Applicant Interviews – Duke South, 5th Floor

Wednesday, December 28, 2016 – NO GRAND ROUNDS

Wednesday, January 4, 2017 – Combined Surgical Specialty Grand Rounds: Pain Management Strategies for the Surgical Patient – William Maixner, M.D. DN 2002 7-8AM in lieu Orthopaedic Grand Rounds and Core Rounds

REFERENCES – GRAND ROUNDS CONFERENCE

Fibrous Dysplasia – Beau J. Kildow, M.D.

1. Parekh S et al. Fibrous Dysplasia. JAAOS. 2004;12:305-313.
2. Huvos A, Henry L. Jaffe, MD (1896-1979) a pioneering authority on bone diseases: Reflections and an appreciation. Annals of Diagnostic Pathology. 1999;3:260-261.
3. Lichtenstein I, Jaffe HL. Fibrous dysplasia of bone. A condition affecting one, several or many bones, the graver cases of which may present abnormal pigmentation of skin, premature sexual development, hyperthyroidism or still other extraskeletal abnormalities. Arth Pathol. 1942;33:777-816.
4. DiCaprio M, Enneking W. Fibrous Dysplasia: Pathophysiology, evaluation & treatment. JBJS 2005;87A:1848-1864.
5. Kaplan F, et al. Estrogen receptors in bone in a patient with polyostotic fibrous dysplasia (McCune-Albright Syndrome). NEJM. 1988;319:421-5.

Oblique Lumbar Interbody Fusion – Sean P. Ryan, M.D.

1. St Clair S1, Tan JS, Lieberman I. Oblique lumbar interbody fixation: a biomechanical study in human spines. *J Spinal Discord Tech.* 2012;25(4) 183-9.
2. Davis T et al. Retroperitoneal oblique corridor to the L5-S1 intervertebral discs in the lateral position: an anatomic stud. *JNS* 2014;21, 785-793.
3. Phan K, Maharaj M, Assem Y, Mobbs R. Review of early clinical results and complications associated with oblique lumbar interbody fusion (OLIF). *Journal of Clinical Neuroscience* 2016 (31):23-29.
4. Freeman A, Camisa W, Buttermann G, Malcom J. Flexibility and Fatigue Evaluation of Oblique as Compared with Anterior Lumbar Interbody.
5. Orita S et al. Lower lumbar segmental arteries can intersect over the intervertebral disc in the oblique lateral interbody fusion approach with a risk for arterial injury: Radiological analysis of lumbar segmental arteries by using MRI. *Spine* 2016. 1-20.

Gap Balance vs Measured Resection in Total Knee Arthroplasty – Tyler J. Vovos, M.D.

- Weinstein AM, Rome BN, Reichmann WM, et al. Estimating the burden of total knee replacement in the U.S. The Journal of Bone and Joint Surgery. American Volume. 2013;95(5):385-392.
- Benjamin J. Component Alignment in Total Knee Arthroplasty. AAOS Instructional Course Lectures. 2006;405-412.
- Sharkey PF, Hozack WJ, Rothman RH, Shastri S, Jacoby SM. Insall Award Paper. Why Are Total Knee Arthroplasties Failing Today? Clinical Orthopaedics and Related Research. 2002(4):7-13.
- Insall and Scott Surgery of the Knee. 5th ed. Philadelphia, PA: Elsevier Churchill Livingstone 2011.
- Hungerford DS. Measured Resection: A Valuable Tool in TKA. Orthopedics. 2008;31(9):941-942.

DUKE UNIVERSITY HOSPITAL
2301 Erwin Road, Durham, NC 27710, 919.684.8111

Spine Preop Conference [1512, 1st Floor]
Musculoskeletal Radiology-Pathology Conference [1512, 1st Floor]
Fracture/ Trauma Conference [1515, 1st Floor]
Foot & Ankle Indications Conference [7683A, HAFS, 7th Floor]
Comprehensive Hip & Knee Reconstruction Conference [1515, 1st Floor]
Adult Reconstruction Preoperative Conference [1515, 1st Floor]
Hand/Upper Extremity Radiology Conference [1512 1st Floor]
Operating Rooms [3rd Floor], 919.681.5155

HOSPITAL ADDITION FOR SURGERY (HAFS)
Replant Office [1661, 1st Floor]

NORTH PAVILION/ AMBULATORY SURGERY CENTER
2400 Pratt Street, Durham, NC 27705, 919.668.2000

Foot and Ankle Conference [2125, 2nd Floor]
Foot & Ankle MRI Conference [2125, 2nd Floor]
Hand & Upper Ext. Conference [0400, Lower Level]
Hand Indications Conference [2125, 2nd Floor]
Operating Rooms [2nd Floor], 919.668.2000

DUKE CLINIC
40 Duke Medicine Circle, Durham, NC 27710, 919.684.8111

Neurosciences/ Spine Clinic 1B/1C [1st Floor], 613-0444
Orthopaedic Trauma Clinic 1H [1st Floor], 681-2842
Core Skills [0044A Human Fresh Tissue Lab or 3rd Floor, Trent Semans]
Hand & Upper Ext. Anatomy Lab [0101A, Basement, Purple Zone]

DUKE SPORTS SCIENCES INSTITUTE
[CENTER FOR LIVING CAMPUS]
3475 Erwin Road, Durham, NC 27708
Sports Medicine Clinic [DSSI Bldg.], 919.684.5888
Sports Medicine & Journal Club Conferences [Stedman Bldg.]

LENOX BAKER CHILDREN'S HOSPITAL
3000 Erwin Road, Durham, NC 27710
Pediatric Orthopaedic Clinic [1st Floor], 919.684.6669
Ortho. Pediatric and Journal Club Conference [107, 1st Floor]

DURHAM VA
508 Fulton Street, Durham, NC 27705, 919.286.0411
Orthopaedic Clinic E [1st Floor], 919.286.0411 ext. 6248 or 6249
Operating Rooms [4th Floor]

BRYAN RESEARCH BLDG.
Research Drive, Durham, NC
Grand Rounds Conference [103, 1st Floor]

TRENT SEMANS CENTER
8 Searle Center Drive, Durham, NC
Core Interactive [3rd Floor, Trent Semans]
Core Skills [0101A Duke Clinic Bldg. or 3rd Floor, Trent Semans]

CANCER CENTER
20 Duke Medicine Circle, Durham, NC 27710
Sarcoma Clinic [Level 00, Clinic 1], 668-6668
Musculoskeletal Histopathology Conference [Level 2, Room 2]
Spine Case Conference [1N07, 1st Floor]

Parking Areas:
PG III PARKING: North Pavilion (ASC)
PG II PARKING: Duke University Hosp.
PG I PARKING: Duke Medicine Circle

Map of Duke University Medical Center Campus
to scale and is intended to approximate building locations. • Fall, 2015

Legend:
Duke Medical Center (Blue)
Duke Research (Green)
Duke Parking (Pink)
Hotels (Yellow)