

## ORTHOPAEDIC GRAND ROUNDS CONFERENCE

Wednesday, November 25, 2015

103 Bryan Research Building

7:00 – 8:00 A.M.

- 7:00-7:20 A.M. Osteofibrous Dysplasia and Adamantinoma - Andrew P. Matson, M.D.  
 7:20-7:40 A.M. Platelet Rich or Data Poor: PRP in Orthopaedics - Joseph J. Kavolus, M.D.  
 7:40-8:00 A.M. The Hard Facts on Bone Cement - Lindsay T. Kleeman, 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](mailto: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. Matson, Kavolus and Kleeman have nothing to disclose.



### WEDNESDAY, November 25, 2015

Hand and Upper Extremity Anatomy Lab	5:30 – 7:00 P.M.	0044A Duke Clinic Bldg.
<i>Surgical Skills: Distal Biceps Tendon Repair – David S. Ruch, M.D., Fraser J. Leversedge, M.D., Jeremy J. Miles, M.D.</i>		

### THURSDAY, November 26, 2015

Fracture/ Trauma Conference <i>No Conference</i>	6:15 – 7:15 A.M.	1515 Duke North Radiology
Hand/ Upper Extremity Radiology Conference [1 <sup>st</sup> ]	6:30 – 7:30 A.M.	1512 Duke North Radiology
Foot and Ankle MRI Conference [2 <sup>nd</sup> and 4 <sup>th</sup> ]	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
Orthopaedic Basic Science Conference <i>No Conference</i>	5:30 – 7:00 P.M.	0101A Duke Clinic Bldg.

### FRIDAY, November 27, 2015

Comprehensive Hip and Knee Reconstruction <i>No Conference</i>	6:15 – 7:15 A.M.	1515 Duke North Radiology
Adult Reconstruction Preoperative Conference	6:15 – 7:15 A.M.	1515 Duke North Radiology
Foot & Ankle Indications Conference	6:30 – 7:30 A.M.	7663A HAFS Building, 7 <sup>th</sup> Floor
Hand Surgery Indications Conference – No 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 with Dean Taylor, M.D.	6:15 – 7:00 A.M.	Stedman Auditorium 3475 Erwin Road
Sports Medicine Conference	7:00 – 8:30 A.M.	Stedman Auditorium 3475 Erwin Road
<i>No Conference</i>		
Sports Medicine Cadaver Lab	9:30 A.M. – 2:00 P.M.	Human Fresh Tissue Lab
Basic Surgical Skills (for PGY 1 Residents)	9:00 A.M. – 1:00 P.M.	0044A Duke Clinic Bldg.
<i>No Basic Surgical Skills</i>		

### NEXT WEEK

### MONDAY, November 30, 2015

Attending Orthopaedic Lecture Series Conference <i>Biologics and Cartilage Restoration – Alison P. Toth, M.D.</i>	6:30 – 7:00 A.M.	2002 Duke North Hospital
Pediatric Orthopaedic Indications Conference	6:15 – 7:15 A.M.	2902 Children's Health Center
Spine Preop Conference 2 <sup>nd</sup> and 4 <sup>th</sup>	7:15 – 7:45 A.M.	1512 Duke North Radiology

### TUESDAY, December 1, 2015

Hand and Upper Extremity Conference <i>Arthritis of the Thumb Basilar Joint – Fraser J. Leversedge, M.D.</i>	6:30 – 7:15 A.M.	0400 North Pavilion, Lower Level
Foot and Ankle Conference	6:30 – 7:30 A.M.	2125 ASC Conference Room
<i>Patient Safety Conference – Kamran S. Hamid, M.D., Joel G. Morash, M.D., David M. Walton, M.D., Peter H. White, M.D.</i>		
Musculoskeletal Radiology-Pathology Conference	7:30 – 8:30 A.M.	1512 Duke North Radiology

### ANNOUNCEMENTS

## REFERENCES – GRAND ROUNDS CONFERENCE

### Osteofibrous Dysplasia and Adamantinoma - Andrew P. Matson, M.D.

1. Kempson RL. (1966). Ossifying fibroma of the long bones. A light and electron microscopic study. Archives of pathology. 82(3),281.
2. Gleason BC, Liegl-Atzwanger B, Kozakewich HP, Connolly S, Gebhardt MC, Fletcher JA, Perez-Atayde AR (2008). Osteofibrous dysplasia and adamantinoma in children and adolescents: a clinicopathologic reappraisal. The American Journal of Surgical Pathology. 32(3),262-376.
3. Van der Woude HJ, Hazelbag HM, Bloem JL, Taminiau AH Hogendoorn PC. (2004). MRI of adamantinoma of long bones in correlation with histopathology. American Journal of Roentgenology. 183(6), 1737-1744.
4. Maki M & Athanasou N (2004). Osteofibrous dysplasia and adamantinoma: correlation of proto-oncogen product and matrix protein expression. Human pathology, 35(1), 69-74
5. Bethapudi S, Ritchie DA, Macduff E, Straiton J (2014). Imaging in osteofibrous dysplasia, osteofibrous dysplasia-like adamantinoma and classic adamantinoma. Clinical radiology. 69(2), 200-208.

### Platelet Rich or Data Poor: PRP in Orthopaedics - Joseph J. Kavolus, M.D.

1. Comparison of the Cellular Composition and Cytokine-Release of Various Platelet-Rich Plasma Preparations. Oh JH, Kim W, Park KU, Roh YH. Am J Sports Med. 2015 Oct 15. Pii: 0363546515608481, [Epub ahead of print] PMID: 26473015
2. Platelet-rich Plasma (PRP) Applied During Total Knee Arthroplasty. Guerreiro JP, Danieli MV, Queiroz AO, Deffune E, Ferreira RR. Rev Bras Ortop 2015 Mar 12;50(2):186-94. Doi: 10.1016/j.rboe. 2015.02.014. eCollection 2015 Mar-Apr. PMID: 26229915
3. Efficacy of Platelet-Rich Plasma in Arthroscopic Repair of Full-Thickness Rotator Cuff Tears: A Meta-analysis. Cai YZ, Zhang C, Lin XJ. J Shoulder Elbow Surg, 2015 Dec;24(12):1852-9. Doi: 1016j.jse.2015.07.035. Epub 2015, Oct 9. PMID: 26456434

### The Hard Facts on Bone Cement - Lindsay T. Kleeman, M.D.

1. Lee AJ, Ling RS, Vangala SS. Some clinically relevant variables affecting mechanical behavior of bone cement. Arch Orthp Trauma Surg 1978;92:1-18.
2. Makita M, Yamakado K, Nakatsuka A, Takaki H, et al. Effects of barium concentration on the radiopacity and biomechanics of bone cement: experimental study. Radiat Med 2008;36:533-38.
3. Downes J, Rauk PN, VanHeest AE. Occupational hazards for pregnant or lactating women in the orthopaedic operating room. JAAOS 2014;22:326-32.
4. McLaughlin RE, Reger SL, Barkalow JA, Allen MS, et al. Methylmethacrylate: a study of the teratogenicity and fetal toxicity of the vapor in the mouse. J Bone Joint Surg 1978; 60(3):355-358
5. Darre E, Jergensen LG, Vedel P, Jensen JS. Breathing zone concentration of methylmethacrylate monomer during joint replacement operations. Pharmacol Toxicol 1992;71(3 Pt1):298-200.

