

2009-2010
Summary of Scholarly Activities
Department of Orthopaedic Surgery

I. PUBLISHED JOURNAL ARTICLES, BOOK CHAPTERS, AND PATENTS

Grishko V, Xu M, Wilson G, Pearsall AW 4th. Apoptosis and mitochondrial dysfunction in human chondrocytes following exposure to lidocaine, bupivacaine, and ropivacaine. *J Bone Joint Surg Am* 2010 Mar;92(3):609-18.

Kim JT, Xu M, Ho R, Mates A, Wilson GL, Pearsall AW 4th, Grishko V. Mitochondrial DNA damage involved in apoptosis caused by pro-inflammatory cytokines in human chondrocytes. *Osteoarthritis Cartilage* 2010 Mar;18(3):424-32.

II. PUBLISHED ABSTRACTS

Burkett J, Alonso JE. Case report of fixation using an intramedullary olecranon nail. 2010 Alabama Orthopaedic Society 59th Annual Meeting; 2010 May 13-15; Destin, FL. Abstract no. 8.

Curiel R, Goode RD, Alonso JE. Trochanteric fixation and lateral entry antegrade femur nails: a retrospective evaluation and comparison. 2010 Alabama Orthopaedic Society 59th Annual Meeting; 2010 May 15; Destin, FL. Abstract no. 9.

Frerichs T, Zarzour G, Nimityongskul P. Posterior dislocation of a medial clavicular fracture in a child: a review and case report. 2010 Alabama Orthopaedic Society 59th Annual Meeting; 2010 May 14; Destin, FL. Abstract no. 1.

Grishko V, Pearsall AW, Wilson GL. TGF-beta protects OA chondrocyte mitochondria from experimentally induced oxidative stress. International Cartilage Repair Society Annual Meeting; 2010 Sep 28; Barcelona, Spain. Abstract no. 109.

Grishko V, Pearsall AW, Wilson GL. Local anesthetics exposure leads to mitochondrial oxidative stress and oxidative damage in human chondrocytes. International Cartilage Repair Society Annual Meeting; 2010 Sep 28; Barcelona, Spain. Abstract no. 17.4.2.

Pearsall AW, Madanagopal, SG, Tucker JA. Clinical and microscopic evaluation of large implanted refrigerated and frozen osteochondral allografts in the knee. *J Bone Joint Surg (Br)* 2010 Mar;92-B(Suppl 1):21-2.

Shell G, Nimityongskul P. Pediatric femoral fractures treated with flexible intramedullary rods. 2010 Alabama Orthopaedic Society 59th Annual Meeting; 2010 May 15; Destin, FL. Abstract no. 6.

Smith DL, Meyer FN. Volar perilunate dislocations of the carpus: a case report. Alabama Orthopaedic Society 59th Annual Meeting; 2010 May 15; Destin, FL. Abstract no. 7.

Wittersheim D, Alonso JE. New perspectives on diagnostic imaging in orthopaedic trauma. 2010 Alabama Orthopaedic Society 59th Annual Meeting; 2010 May 15; Destin, FL. Abstract no. 11.

III. PUBLISHED BOOKS

IV. INVITED PRESENTATIONS

Alonso JE. Invited speaker. AO North America Caribbean trauma update: tips and tricks for orthopaedic surgeons, an orthopaedic course; 2010 Feb 4; Cancun, Mexico.

Alonso JE. Invited speaker. Closing the loop in pelvis and acetabular trauma. University of Missouri Grand Rounds Lecture; 2010 Sep 15; Columbia, MO.

Alonso JE. Invited speaker. Surviving the night. 9th Annual South East Trauma Symposium; 2010 Aug 5; Destin, FL.

Alonso JE. Invited speaker. Fragility fractures – the coming tsunami. 9th Annual South East Trauma Symposium; 2010 Aug 5; Destin, FL.

Alonso JE. Invited speaker. Case presentations and discussions. 9th Annual South East Trauma Symposium; 2010 Aug 8; Destin, FL.

Grishko V. Invited speaker. Local anesthetics exposure leads to mitochondrial oxidative stress and oxidative damage in human chondrocytes. International Cartilage Repair Society Annual Meeting; 2010 Sep 28; Barcelona, Spain.

Meyer FN. Invited speaker. Systems-based practice. CORD Symposium, AAOS Annual Meeting; 2010 Mar 12; New Orleans, LA.

Meyer FN. Invited speaker. Case report of fixation using an intramedullary olecranon nail. Alabama Orthopaedic Society Meeting; 2010 May 15; Sandestin, FL.

Meyer FN. Invited speaker. Distal radius fractures: tips and tricks. South East Trauma Symposium; 2010 Aug 7; Sandestin, FL.

Meyer FN. Invited speaker. Distal radius ORIF lab. South East Trauma Symposium; 2010 Aug 7; Sandestin, FL.

Meyer FN. Invited speaker. Scaphoid fractures. South East Trauma Symposium; 2010 Aug 7; Sandestin, FL.

Meyer FN. Invited speaker. DRUJ injury: diagnosis and treatment. South East Trauma Symposium; 2010 Aug 8; Sandestin, FL.

Pearsall AW. Invited speaker. Single & double bundle ACL reconstruction at one institution: clinical & objective assessment. 2010 ACL Study Group; 2010 Feb Phuket, Thailand.

Perry M. Invited speaker. Foot and ankle amputations. Dallas Short Course Orthotics and Prosthetics; 2009 Oct 22; Dallas, TX.

Perry M. Invited speaker. Total ankle arthroplasty AOFAS position statement. 21st Annual Southeastern Orthopaedic Foot Club; 2010 May 13; Sandestin, FL.

V. NATIONAL PROFESSIONAL RECOGNITION

Jorge Alonso, M.D., AO North America – Chairman and Faculty Member; Riverside Military Academy Board of Trustees 2007-present.

Valentina Grishko, Ph.D., Invited reviewer for the: *Nature Reviews in Rheumatology, Nature, Osteoarthritis and Cartilage, Arthritis & Rheumatism, Free Radical Biology & Medicine, European Journal of Pharmacology, Tohoku Journal of Experimental Medicine, Japan, and Inflammation Research.*

Frederick N. Meyer, M.D., President of the Clinical Orthopaedic Society; Member – American Academy of Orthopaedic Surgeons Business Practice/Practice Management Committee; Reviewer, *The Journal of Bone and Joint Surgery*; Panelist, AAOS Practice Management Meeting, New Orleans, LA March 9, 2010; Chair, AOA/CORD Education Committee, 2009 – 2011.

Albert W. Pearsall, IV, M.D., 2009 – 2010, Past President, Alabama Orthopaedic Society; 2008 – present, Council Member, Tissue Advisory Council, LifeLink Foundation, Inc.; 2009 – 2010, Audit Committee, Mid-American Orthopaedic Association; 2009 – 2011 Orthopaedic Sports Medicine Committee, ISAKOS; 2003 – present, Publications Committee, American Orthopaedic Society for Sports Medicine; 2009-2010, AOSSM Question Exam Committee; 2009-2010 AAOS Evaluation Committee; Invited Associate Master Instructor of Knee Ligament Course, Arthroscopy Association of North America: Masters Experience Course, April 16-18, 2010, Rosemont, Illinois; Invited Moderator, Mid-America Orthopaedic Association, April 21-25, 2010, Lost Pines (Austin), Texas.

Mark D. Perry, M.D., Editorial board of the patient information website, footeducation.com; AAOS resolutions committee; ABOS, oral boards examiner, and session moderator, Clinical Orthopaedic Society, Point Clear, AL.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

The Department of Orthopaedic Surgery continues to be engaged both clinically and academically. In the last year there have been three published manuscripts in nationally recognized journals, and seven published abstracts. In addition, there have been 10 presentations at regional and national meetings. A number of our faculty received national recognition including Jorge Alonso who is Chairman and faculty member of the AO North America and serves on the Riverside Military Academy Board of Trustees. Valentina Grishko has served as an invited reviewer for the *Nature Reviews in Rheumatology*, *Nature*, *Osteoarthritis and Cartilage*, *Arthritis & Rheumatism*, *Free Radical Biology & Medicine*, *European Journal of Pharmacology*, *Tohoku Journal of Experimental Medicine*, *Japan*, and *Inflammation Research*. Dr. Frederick Meyer is the President of the Clinical Orthopaedic Society. He is a member of the American Academy of Orthopaedic Surgeons Business Practice/Practice Management Committee. He is a reviewer for *The Journal of Bone and Joint Surgery* – the most prestigious journal in orthopaedics. He served as a panelist at the AAOS Practice Management Meeting held in New Orleans, LA., and he serves as Chairman of the AOA/CORD Education Committee. Dr. Albert Pearsall is a Past President of the Alabama Orthopaedic Society. He is also a council member on the Tissue Advisory Council, LifeLink Foundation, Inc. He serves on the Audit Committee of the Mid-American Orthopaedic Association, the Orthopaedic Sports Medicine Committee of the ISAKOS, the Publications Committee of the American Orthopaedic Society for Sports Medicine, the AOSSM Question Exam Committee, and the AAOS Evaluation Committee. Dr. Mark Perry was the course chairman of the Southeastern Orthopaedic Foot Club. He served on the editorial board of the patient information website, footeducation.com. He also served on the resolutions committee for the AAOS and was an oral boards examiner for the ABOS, and a session moderator at the Clinical Orthopaedic Society Meeting held in Point Clear, AL. The Department of Orthopaedic Surgery now has three residents in PGY V, PGY IV, III, II and I years. All of our residents have passed their written boards. This year we graduated Dr. Amanda Ivy and Dr. Zachary Scheer. Dr. Ivy has accepted a Sports Medicine Fellowship at Methodist Sports Medicine/The Orthopaedic Specialists in Indianapolis, Indiana. Dr. Scheer has accepted a Joint Arthroplasty Fellowship at the CORE Institute in Phoenix, Arizona.