

Amanda L Dempsey, MD

RESEARCH PUBLICATIONS

1. Maximizing Total End Range Time is Safe and Effective for Conservative Treatment of Frozen Shoulder Patients. Dempsey AL, Mills T. Am J Phys Medicine and Rehabilitation. 2011; 90:00-00.
2. High intensity mechanical therapy for loss of knee extension for workers' compensation and non-workers compensation patients. Dempsey AL, Branch TP. Sports Medicine, Arthroscopy, Rehabilitation, Therapy, and Technology. 2010; 2:26.

RESEARCH PRESENTATIONS

1. Dempsey A, Turker T, Thirkannad S. Unstable Fracture Dislocations of the Proximal Interphalangeal Joint. Amer Society for Surgery of the Hand, poster presentation, Seattle, Washington. September 2015.
2. Dempsey A, Turker T, Thirkannad S. Unstable Fracture Dislocations of the Proximal Interphalangeal Joint. TriState Meeting, oral presentation, Louisville, Kentucky. July 12, 2015.
3. Dempsey A, Riley S, Burgess R. Predictors of Reoperation in Preaxial Polydactyly. Kentucky Orthopaedic Society Meeting, oral presentation, Louisville, Kentucky. September 12, 2013.
4. Dempsey A, Riley S, Burgess R. Predictors of Reoperation in Preaxial Polydactyly. 2012 International Pediatric Orthopedic Symposium, poster presentation, Orlando, Florida. Nov 28-Dec 2, 2012.
5. Dempsey, A, Moghadamian E. Functional Outcome after Acute Compartment Syndrome of the Leg Associated with Diaphyseal Tibia Fractures. 38th Oleika Lectures, oral presentation, Shriners Hospital Lexington KY, March 2011.
6. Dempsey, A., Branch TP. Mechanical Therapy for Knee Extension Loss. Physical Therapy Association of Georgia Conference, poster presentation, Augusta, GA. April 13, 2007.

ATLANTA'S LEADER IN ORTHOPAEDIC MEDICINE

7. Dempsey, A., Branch, TP, Mills T. Mechanical Therapy for Glenohumeral Motion Loss. Georgia Orthopedics Society 2006 Annual Meeting, poster presentation. The Cloister, Sea Island, GA. October 12-15, 2006.
8. Dempsey A.. Microarray and qRT-PCR Analysis of Gene Expression in CD8+ T cells from T. cruzi Infected Mice. Center for Undergraduate Research Opportunities Symposium, oral presentation. Athens, GA. April 12, 2005.

RESEARCH EXPERIENCE

- Dean's Summer Student Research Fellowship, May-July 2006
- Dr. Yan Bin Dong, Dr. Haidong Zhu Medical College of Georgia, Georgia Prevention Institute
- Analyzed DNA from Georgia Prevention Institute study patients for polymorphisms correlating to impaired pressure natriuresis. Assisted with haplotype analysis on familial samples to ascertain the heritability of polymorphisms affecting pressure natriuresis, salt regulation and the potential development of hypertension.
- Co-Primary Investigator with Dr. Thomas P. Branch at Ermi, Inc. and University Orthopaedic Clinic. May-Aug 2003, 2004, 2005 - *Conducted two retrospective studies assessing a novel treatment method for arthrofibrosis of the knee and shoulder. Co-authored research article on findings with Dr. Thomas P. Branch.*
- Student Researcher, Dr. Rick Tarleton University of Georgia, Center for Tropical and Emerging Global Diseases. Jan 2004-May 2005 - *Compared differential mRNA expression of CD8+ T cells isolated from chronically Trypanosoma cruzi infected wild-type C57BL/6 mice and inducible nitrous oxide knockout mice using an in-house, immunological microarray. Analyzed differences in mRNA levels of CD8+ T cells in uninfected, acutely, and chronically T.cruzi-infected mice using microarray. Confirmed differential mRNA expression with RT-PCR. It is hoped that further analysis of data collected from these immunological arrays will assist in understanding the persistence of T. cruzi in muscle cells of chronically infected mice (and humans).*
- Research Assistant Dr. Ngoc-Anh Lee, Dr. Patricia Huey Atlanta VAMC, Emory Lipid Research Laboratory. June-Aug 2002 - *Participated in studies examining the role of dietary fat in the production of anti-oxidized LDL autoantibodies in rabbits. Performed enzyme-linked immunosorbent assays (ELISAs) to quantify levels of autoantibodies against oxidized LDL. Characterized and quantified plasma lipoproteins using fast protein liquid chromatography and automated lipid and protein assays. Quantified apolipoprotein CIII mRNA and protein in cultured hepatic and intestinal cell lines.*
- Guest Researcher Dr. Betty H. Robertson, Centers for Disease Control and Oak Ridge Institute for Science and Education's Research Participation Program, Atlanta, Georgia. June-Aug 2001 - *Participated in phylogenetic study of Hepatitis E determining the virus's evolutionary predecessors and the various unknown genotypes of HEV. Helped produce the twenty-third sequenced Hepatitis E isolate from a 1984 Kyrgestan outbreak. Gained significant experience and understanding of PCR as well as sequencing machines and their related computer programs. Created a Hepatitis B database which categorized HBV GenBank entries by genotype, surface antigen serotype, etc.*
- Guest Researcher Centers for Disease Control, Atlanta, Georgia. June-Sept 2000 - *Volunteered as a part-time employee participating in a study tracking an emerging Hepatitis C epidemic in Russia, China and Eastern Europe.*