HULC Research Report 2006
Publications


30) MacDermid JC, Holtby R, Razmjou H, Bryant D, JOINTS Canada: All-Arthroscopic versus Mini-Open Repair of Small or Moderate Sized Rotator Cuff Tears: A Protocol for a Randomized Trial. (Physician’s Services Foundation) BMC Musculoskeletal Disorders, 7:25 2006
Book Chapters

Presentations
1) Deshpande, S., Chess, D.G., Mackenzie, G., Johnson, J.A., Kedgley, A., Are Existing Polyethylene Tibial Insert Selections for TKA Adequate? An Experimental Study Evaluating Sensitivity of Soft Tissue Tension to Insert Thickness (Tracking ID#157475)
   2006 Summer Bioengineering Conference, Amelia Island, June 2006
   Poster Presentation (BORS-P88)
   1st Joint Meeting of the Bone Research Society and the British Orthopaedic Research Society in Southampton, UK, 2006 July 5-6
36) Sperling LW, Rispoli DM, Athwal GS, Cofield RH. Humeral Head Replacement for the Treatment of Osteoarthritis. 5th Biennial AAOS/ASES Shoulder and Elbow Meeting, April 6-9, 2006, Orlando, Florida, USA.
40) Willis SR, King GJW, Johnson JA. The effect of Compressive Load Magnitude on Radiocapitellar Joint Contact Area. 52nd Annual Orthopaedic Research Society, Chicago, March 2006.
44) Brownhill JR, Ferreira LM, Guerra SM, King GJW, Johnson JA. Computer-Assisted Surgical Alignment for Total Elbow Arthroplasty. 52nd Annual Orthopaedic Research Society, Chicago, March 2006


75) Yeung T, Wessel J, MacDermid J, Stratford P: Validation of the Lower Extremity Functional Scale on in-patients attending an orthopaedic rehabilitation program. Canadian and Mexican Rheumatology
Associations combined meeting, Acapulco, Mexico, February 16-19, 2006 received the Carolyn Thomas award for best scientific abstract from the Arthritis Health Professions Association.


Visiting Professorships
1) King GJW- Visiting Professor, Dept. of Orthopaedic Surgery, New England Baptist Hospital, Boston, Mass, USA
2) King GJW- Visiting Professor, Dept. of Orthopaedic Surgery, University of Montreal, Montreal Quebec
3) Ross DC Visiting Professor, McMaster University Division of Plastic Surgery, Resident Research Day, September 22, 2006, Hamilton, ON.

Editorial Boards, Conferences Organized, Chaired, Faculty
1) King GJW. Programme Chair, Shoulder and Elbow Update, Division of Orthopaedic Surgery, University of Western Ontario, London, Ontario
2) King GJW. Programme Chair, Department of Surgery Research Day, University of Western Ontario, London, Ontario
3) Drosdowech DS. Shoulder Arthroscopy Lab (Instructor). Conmed Linvatec® Corporation, Largo Florida, October 2006
6) Drosdowech, DS. Editorial Board – Arthroscopy: The Journal of Arthroscopic and Related Surgery
7) Drosdowech DS. Orthopaedic Examiner, Royal College Physicians & Surgeons of Canada

Postgraduate fellows Supervised- Doctoral And masters

1) King GJW-Geoff MacKenzie-Department of Biomedical Engineering. Doctoral Program-Computer Assisted Knee Surgery
2) King GJW-Colin MacDonald-Department of Biomedical Engineering. Doctoral Program-Computer Assisted Elbow Surgery
3) King GJW-Jamie Brownhill-Department of Mechanical and Materials Engineering. Doctoral Program-Computer Assisted Elbow Surgery
4) King GJW-Gillian Fraser-Department of Biomedical Engineering. Doctoral Program-New Techniques to Quantify Forearm Motion
5) King GJW-Louis Ferreira-Department of Biomedical Biophysics. Masters Program-Advanced Control of Upper Extremity Testing Simulator
6) King GJW-Steven Willis-Department of Biomedical Engineering. Masters Program-Joint Contact Measurements at the Elbow

Invited Lectures
1) King GJW. Elbow Arthroscopy. St. Marianna University School Of Medicine, Tokyo, Japan, Jan 2006
2) King GJW. Comminuted Fractures of the Distal Humerus and Radial Head. 18th Annual Meeting of the Japanese Society for Surgery of the Elbow, Nagoya, Japan, Jan 2006
4) King GJW. The Unstable Elbow-Anatomy, Biomechanics and Treatment Instructional Course. 73rd Annual Meeting of American Academy of Orthopaedic Surgeons, Chicago, USA, March 2006.
5) King GJW. Arthroscopic Management of the Arthritic Elbow-Rheumatoid Arthritis Instructional
6) King GJW. Elbow Reconstruction Instructional Course: Radial Head Arthroplasty for Chronic Elbow Conditions. 73rd Annual Meeting of American Academy of Orthopaedic Surgeons, Chicago, USA, March 2006.


13) Gewal, R. Radial Head Arthroplasty Shoulder and Elbow Update St. Joseph’s Hospital, University of Western Ontario, London, ON.


22) Drosdowech DS. Arthroscopic rotator cuff repair. Visiting Professor, Queen’s University, Kingston Ontario, April 2006.


40) MacDermid JC November 2006. The Focus on Work In The School of Rehabilitation Science, McMaster University, Forum on Work-related Health, McMaster University.
42) MacDermid JC May 2006 The DASH Outcome Measure. Workers Compensation Board/University of Saskatchewan. Saskatoon, Sask.
54) Ross DC Royal College Guest Speaker, Canadian Association for Physical Medicine and Rehabilitation, Surgical Treatment of Painful Nerve Injuries, June 9, 2006, Vancouver, BC.
55) Ross DC. Canadian Society of Plastic Surgeons Canadian Expert Series, Vascularized scaphoid bone grafts: How to do it and why you should. Annual Scientific Meeting, Canadian Society of Plastic Surgeons, June 17, 2006, Quebec City, PQ.

Published Abstracts


Grants

1) Drosdowech DS. Depuy® US. A randomized clinical trial comparing effectiveness of rotator cuff repair with or without augmentation with porcine small intestinal submucosa (SIS) for large rotator cuff tears. $102,957. PI: Guyatt G & McMaster University.

2) Drosdowech DS. Canadian Institute of Health Research (CIHR) & University of Western Ontario. Cemented versus uncemented fixation of humeral components in total shoulder arthroplasty for osteoarthritis of the shoulder. $69,000. PI: Litchfield, R. University of Western Ontario


5) Athwal GS. University of Western Ontario Department of Surgery Seed Grant. A Biomechanical Assessment of Post-Operative Rehabilitation following Total Shoulder Arthroplasty: Minimization of Stresses to Maximize Stability and Bone On-Growth. $15000


7) MacDermid J (PI), Co-investigators: Richard Holtby, Helen Razmjou, Dianne Bryant, Nicholas Mohtadi, Robert Balyk, Jordon Leith. Ian King Yeung Lo, Peter MacDonald, Robert Gordon McCormack, Kenneth John Faber, Corinne Dyke, Richard Walker, Jaydeep Moro, Tulay Koru-Sengul. All- Arthroscopic or Mini-open Repair of a Rotator Cuff Tear. Funding Agency: Canadian Institute for Health Research (CIHR) Randomized Clinical Trial. Start Date: January 2007, $608,555.

8) Funding Agency: Canadian Institute of Health Research
Amount: $55,000/year salary support; $5000/year research allowance
Funding Period: 2006-2010
Department where funds are held: University of Western Ontario, London
Project Title: Defining objective measures of pathology in neck pain and their relationship to quality-of-life (PhD Fellowship)
Supervisor: MacDermid JC
Student: Walton D
9) Funding Agency: Physician Services Inc.
   Amount: $77,600
   Funding Period: 2006-08
   Department where funds are held: Hand and Upper Limb Centre, St. Joseph's Health Centre, London
   Project Title: An empirical model of disablement following distal radius fracture
   Investigator: Faber K, MacDermid JC
10) Funding Agency: Workers Safety and Insurance Board
    Amount: $118,304
    Funding Period: 2005-07
    Department where funds are held: McMaster University, Hamilton, ON
    Project Title: Modeling Health and Workout Comes Following a Work-Related Upper-Extremity Disorders: The Role of Person, Injury, Work Demands, and Work Organization
    Investigators: MacDermid JC, Shannon H, McMurtry R, Amick B, Roth JH

Awards