

## HULC Research Report 2006

### Publications

- 1) Nimigan AS, Ross DC, Gan BS: Steroid injection in the management of trigger fingers. *American Journal of Physical Medicine and Rehabilitation* 2006; 85(1): pp 36-43.
- 2) Thulin P, Johansson L, Low DE, Gan BS, Kotb M, McGeer A, Norrby-Teglund A: Viable Group A Streptococci in Macrophages during Acute Soft Tissue Infection. *PLoS Medicine* 2006; 3(3): e53 (17 January 2006)
- 3) O’Gorman DB, Howard JC, Cadieux P, Bowley E, McLean K, Pak B, Gan BS: Identification of protein biomarkers in Dupuytren’s Contracture using Surface Enhanced Laser Desorption Ionization time-of-flight Mass Spectrometry (SELDI-TOF-MS). *Clinical and Investigative Medicine*.
- 4) Johnston, J.A., Bicknell, R.T., Chess, D.G., King, G.J.W., Patterson, S.D., Glenoid Vault Endosteal Dimensions: An Anthropometric Study with Special Interest in Implant Design. *JSES – March 2006 – (JSES # 04-70)*
- 5) Viskontas, D., Chess, D.G., King, G.J. W., Johnson, J.A. Computer Assisted Gap Equalization (CAGE) in Total Knee Arthroplasty. *Journal of Arthroplasty (Manuscript # 05.0250UR1)*
- 6) Grewal R, MacDermid JC, Faber KJ, Drosdowech DS, King GJW. Comminuted radial head fractures treated with a modular metallic radial head arthroplasty. Study of outcomes. *J Bone Joint Surg (Am)* 88(10):2192-200, 2006.
- 7) Grewal R, Lapner P, Regan WD. Recurrent Infection of the Rotator Cuff After Open Repair: a case report. *J Shoulder Elbow Surg* 15(1):122-3, 2006
- 8) Grewal R, Ostuka NY, Jones NF. Case Report: Vascularized Free Fibular Transfer for Treating a Massive Tibial Defect using a Previously Fractured Fibula. Accepted for publication, *Journal of Plastic and Reconstructive Surgery*, February 2006
- 9) Al-Ahaideb A, Drosdowech DS, Pichora DR. Fractional flexor tendon lengthening for advanced metacarpophalangeal flexion contracture in rheumatoid hands. *J of Hand Surg Vol 31A No.10*, December 2006, pp 1690-93.
- 10) MacDermid JC, Drosdowech DS, Faber K. Responsiveness of self-report scales in patients recovering from rotator cuff surgery. *J of Shoulder and Elbow Surgery Vol (4)*, July-Aug 2006.
- 11) Mohtadi NG, Hollinshead RM, Ceponis PJ, Chan DS, Fick GH, JOINTS® Canada. A multi-centre randomized controlled trial comparing electrothermal arthroscopic capsulorrhaphy versus open inferior capsular shift for patients with shoulder instability: Protocol implementation and interim performance: Lessons learned from conducting a multi-centre RCT [ISRCTN68224911;NCT00251160]. *BMC Musculoskeletal Disorders. Trials* 2006, 7:4.
- 12) 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 [NCT00128076]. *BMC Musculoskeletal Disorders* 2006,7:25.
- 13) Drosdowech DS. Reverse shoulder arthroplasty: Interim analysis and future direction. *Canadian Orthopedic Association Bulletin #75*, Nov-Dec 2006.
- 14) Drosdowech DS. PEARLS, AANA May 2006.
- 15) Rispoli DM, Sperling JW, Athwal GS, Shleck CD, Cofield RH. Humeral Head Replacement for the treatment of Osteoarthritis. *Journal Bone and Joint Surgery [Am]* 2006;88:2637-2644.
- 16) Athwal GS, Morrey BF. Revision Total Elbow Arthroplasty for Prosthetic Fractures. *Journal Bone and Joint Surgery [Am]* 2006;88:2017-2026.
- 17) Athwal GS, Shridharani SM, O’Driscoll SW. Osteolysis and arthropathy of the shoulder after use of bioabsorbable knotless suture anchors. A report of four cases. *Journal Bone and Joint Surgery [Am]*

2006;88:1840-1845.

- 18) Athwal GS, Beuno RA, Bansal M, Mintz DN, Athanasian EA. Intra-articular fibroma of tendon sheath involving the scapholunate and radiocarpal joints. *Skeletal Radiology*. 2006 Aug;35(8):599-602.
- 19) Athwal GS, Rispoli DM, Steinmann SP. The anconeus flap transolecranon approach to the distal humerus. *The Journal of Orthopedic Trauma*. 2006 Apr;20 (4):282-285.
- 20) Carlson MG, Athwal GS, Beuno RA. Treatment of the Hand and Wrist in Cerebral Palsy. *Journal of Hand Surgery [Am]* 2006 Mar;31(3) 483-490.
- 21) Papp SR, Athwal GS, Pichora DR. The rheumatoid wrist. *Journal of the American Academy of Orthopedic Surgeons* 2006 Feb;14(2):65-77.
- 22) Duberly, JH, Faber KJ, Macdermid JC, Patterson SD, King GJW. Outcome after open reduction and internal fixation of capitellar and trochlear fractures. *J Bone Joint Surg* 88A:46-54, 2006.
- 23) Gordon KD, Kedgley AE, Ferreira LM, King GJW, Johnson JA. Design and implementation of an instrumented ulnar head prosthesis to measure loads in vitro. *J Biomechanics* 39:1335-1341, 2006.
- 24) Gordon KD, Kedgley AE, Ferreira LM, Johnson JA King GJW. Effect of simulated muscle activity on distal radioulnar joint loading in vitro. *J Orthop Res* 24:1395-1404, 2006.
- 25) Brownhill JR, Furukawa, K, Faber KJ, Johnson JA. Surgeon accuracy in the selection of the flexion-extension axis of the elbow: An in-vitro study. *J Shoulder Elbow SUrg* 15: 451-456, 2006.
- 26) Nguyen D, Proper SI, MacDermid JC, King GJW, Faber KJ. Functional outcomes of arthroscopic capsular release of the elbow. *Arthroscopy* 22:842-9, 2006.
- 27) Szekeres M, King GJW. Total Elbow Arthroplasty. *J Hand Therapy* 19:145-253, 2006.
- 28) Aird J, Cady R, Nagi R, Kullar S, MacDermid JC: The impact of wrist extension provocation on CPT thresholds in patients with carpal tunnel syndrome: a pilot study. *Journal of Hand Therapy* 19: 299-306, 2006.
- 29) MacDermid JC, Solomon P, Prkachin K: The Shoulder Pain and Disability Index demonstrates factor, construct and longitudinal validity. (CIHR) *BMC Musculoskeletal Disorders*, 10; 7(1):12 2006.
- 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
- 31) Costantini M, Tunks K, Wyatt C, Zettel H, MacDermid JC: Age and upper limb tension testing affects current perception threshold. *Journal of Hand Therapy* 19:307-317, 2006.
- 32) Temple CLF, Tse R, Bettger-Hahn M, MacDermid JC, Gan BS, Ross DC: Sensibility following innervated free TRAM flap for breast reconstruction. *Plastic and Reconstructive Surgery* 117:2 119-2127, 2006.
- 33) Razmjou H, Bean A, van Osnabrugge V, MacDermid JC: Cross-sectional and longitudinal construct validity of two rotator cuff disease-specific outcome measures. *BMC Musculoskeletal Disorders* 7:26, 2006. (7 pages)
- 34) MacDermid JC, Michlovitz S: Examination Of The Elbow: Linking Diagnosis, Prognosis And Outcomes as a Framework For Maximizing Therapy Interventions. *Journal of Hand Therapy*, 19:82-87, 2006.
- 35) MacDermid JC, Solomon P, Law M, Stratford PS, Russell D: Defining the effect and mediators of two knowledge translation strategies designed to alter knowledge, intent and clinical utilization of rehabilitation outcome measures: A Study Protocol {NCT00298727} (CIHR) *Implementation Science* July 4, 1: (1) (14 pages), 2006.
- 36) MacDermid JC, Wessel J, Humphrey R, Ross D, Richards RS, Roth JH: The AUSCAN, patient-rated wrist/hand evaluation (PRHWE) and DASH are valid and demonstrate high concordance. *Osteoarthritis and Cartilage Epub*, 2006.

## Book Chapters

- 1) Athwal GS. Fractures and dislocations of the Hand and Carpus. In Lin S and Hijjawi J (Eds.) Plastic and Reconstructive Surgery. MCGraw-Hill 2006 page 205-210.
- 2) King GJW. Arthroscopic Treatment of the Arthritic Elbow. Instructional Course Lectures Vol 55. Light TR ed. American Academy of Orthopaedic Surgeons. pp 109-117, 2006.

## 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
- 2) 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  
Poster Presentation (BORS-P88)  
1<sup>st</sup> Joint Meeting of the Bone Research Society and the British Orthopaedic Research Society in  
Southampton, UK, 2006 July 5-6
- 3) Grewal R, Faber KJ, MacDermid JC, Drosdowech DS, King GJW. A Prospective Study of Modular  
Radial Head Arthroplasty for Unreconstructable Fractures of the Radial Head. 5th Biennial  
AAOS/ASES Shoulder and Elbow: Current Techniques and Controversies, Orlando, Florida, April  
2006
- 4) Ganapathy S, Dhir S, Armstrong K, Tsui B, Drosdowech DS. Cervical epidural vs continuous  
interscalene block for shoulder arthroplasty: A randomized study. ASA Annual Meeting, Chicago IL,  
October 2006
- 5) Shore B, Kedgley A, Faber K, King G, Drosdowech DS, Athwal G. Rotator cuff Kinematics: An in-  
vitro study of rotator cuff tear and repair kinematics. 34<sup>th</sup> Clinical Seminar in Orthopaedic Surgery.  
University of Western Ontario, London Ontario, October 2006.
- 6) Nguyen D, Ferreira L, Brownhill J, MacDermid J, King G, Johnson J, Drosdowech DS, Faber K.  
Computer Assisted total Shoulder Arthroplasty: Design & Validation of an Intraoperative Glenoid  
Tracking System. Computer Aided Surgery. SN Residents Research Competition, Memphis TENN,  
August 2006.
- 7) Nguyen D, Ferreira L, Brownhill J, MacDermid J, King G, Johnson J, Drosdowech DS, Faber K.  
Computer Assisted total Shoulder Arthroplasty: Design & Validation of an Intraoperative Glenoid  
Tracking System. Computer Aided Surgery. Canadian Orthopaedic Association Annual Meeting,  
Toronto ON June 2006.
- 8) Nguyen D, Brownhill J, Drosdowech DS, Faber KJ, Ferreira L, Garvin G, Johnson J, Kedgley A,  
King G, Macdermid J, Mozzon J. Improved accuracy of computer-assisted glenoid implantation: A  
randomized controlled trial. CAOS meeting, Montreal QC, June 2006.
- 9) Kedgley A, Bicknell RT, Delude J, Drosdowech DS, Dunning C, Faber KJ, Ferreira L, Johnson J,  
King G. Computer-assisted shoulder hemiarthroplasty improves humeral head position. COA 61<sup>st</sup>  
Annual meeting, Toronto ON, June 2006.

- 10) Nguyen D, Brownhill J, Drosdowech DS, Faber KJ, Ferreira L, Garvin G, Johnson J, Kedgley A, King G, Macdermid J, Mozzon J. Improved accuracy of computer-assisted glenoid implantation: A randomized controlled trial. COA 61<sup>st</sup> Annual meeting, Toronto ON, June 2006.
- 11) Nguyen D, Drosdowech DS, Faber K. Improved Accuracy & Reliability of Computer Assisted Glenoid Implantation (CAGI): A Randomized Controlled Trial . Department of Surgery Research Day, UWO. London ON February 2006
- 12) Kedgley A, Mackenzie G, Ferreira L, Drosdowech DS, King G, Faber K, Johnson J. Kinematics of the shoulder following rotator cuff injury: An in-vitro biomechanical study. 2006 Summer Bioengineering Conference, Amelia Island Florida, June 2006..
- 13) Lanting B, Drosdowech DS, Faber KJ, Macdermid J. Proximal humerus fractures: A review of treatment modalities. COA 61<sup>st</sup> annual meeting, Toronto ON, June 2006.
- 14) Nguyen D, Ferreira L, Kedgley A, MacDermid JC, King GJW, Drosdowech DS, Johnson JA, Faber KJ. Computer-Assisted Total Shoulder Arthroplasty. Sister Mary Doyle Research Day, Lawson Research Institute, London Ontario March 2006
- 15) Kedgley A, Bicknell RT, DeLude J, Ferreira L, Dunning C, King G, Faber K, Drosdowech DS, Johnson J. Assessment of Humeral Head Position During Glenohumeral Abduction with Computer-Assisted Shoulder Hemiarthroplasty. Sister Mary Doyle Research Day, Lawson Research Institute, London Ontario March 2006
- 16) Nguyen D, Ferreira L, Kedgley A, MacDermid JC, King GJW, Drosdowech DS, Johnson JA, Faber KJ. Computer-Assisted Total Shoulder Arthroplasty. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago Ill, March 2006.
- 17) Kedgley A, Bicknell RT, DeLude J, Ferreira L, Dunning C, King G, Faber K, Drosdowech DS, Johnson J. Assessment of Humeral Head Position During Glenohumeral Abduction with Computer-Assisted Shoulder Hemiarthroplasty. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago Ill, March 2006.
- 18) Rowland AS, Athwal GS, MacDermid JC, King GJW. Radiographic Criteria for Overstuffing of Radial Head Arthroplasty. Bi-Annual Shoulder and Elbow Society of Australia Closed Meeting, Victoria Harbour, Adelaide, South Australia, November 2006.
- 19) Shore B, Kedgley A, Athwal GS, Drosdowech D, Johnson J, Faber KJ. Rotator Cuff Tear kinematics: An In-vitro study of tear and repair kinematics. University of Western Ontario Resident's Research Day. October 17<sup>th</sup>, 2006.
- 20) Rowland AS, Athwal GS, MacDermid JC, King GJW. Lateral Ulnohumeral Joint Space Widening is Not Diagnostic of Radial Head Arthroplasty Overstuffing. American Society for Surgery of the Hand, Washington DC, Sept 2006.
- 21) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. Deep Infection after Rotator Cuff Repair. Musculoskeletal Infection Society, Lake Tahoe CA, USA, August 11-12, 2006.
- 22) Lanting B, Athwal GS, Naudie D. Spontaneous Clostridium Perfringens Myonecrosis of the Shoulder. Musculoskeletal Infection Society, Lake Tahoe CA, USA, August 11-12, 2006.
- 23) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. Acute Infection after Surgical Treatment of Proximal Humeral Fractures. Musculoskeletal Infection Society, Lake Tahoe CA, USA, August 11-12, 2006.
- 24) Athwal GS, Morrey BF. Revision Total Elbow Arthroplasty for Prosthetic Fractures. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 25) Athwal GS, Shridharani SM, O'Driscoll SW. Osteolysis and arthropathy of the shoulder after use of Bio-Knotless suture anchors. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.

- 26) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. Deep Infection after Rotator Cuff Repair. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 27) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. Acute Infection after Surgical Treatment of Proximal Humeral Fractures. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 28) Rowland AS, Athwal GS, MacDermid JC, King GJW. Lateral Ulnohumeral Joint Space Widening is Not Diagnostic of Radial Head Arthroplasty Overstuffing. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 29) Rispoli DM, Athwal GS, Morrey BF. Ulnar Neurolysis following Total Elbow Arthroplasty. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 30) Rispoli DM, Athwal GS, Sperling LW, Cofield RH. Hemi-arthroplasty for the Treatment of Shoulder Osteoarthritis. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 31) Rispoli DM, Athwal GS, Sperling LW, Cofield RH. Outcomes of shoulder resection arthroplasty for salvage. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 32) Rispoli DM, Athwal GS, Sperling LW, Wenger DE, Cofield RH. Projection of the Glenoid Centre Point within the Glenoid Vault. Canadian Orthopaedic Association Meeting. Toronto, Ontario, Canada, June 2-4, 2006.
- 33) Hoxie SC, Athwal GS, Steinmann SP. Outcomes of surgical approaches to distal humerus fractures: olecranon osteotomy versus triceps reflection. Mid-American Orthopedic Association 24<sup>th</sup> Annual Meeting, San Antonio TX, April 19-23, 2006.
- 34) Rispoli DM, Athwal GS, Sperling LW, Cofield RH. Long Term Results of Humeral Head Replacement for Osteoarthritis. Mid-American Orthopedic Association 24<sup>th</sup> Annual Meeting, San Antonio TX, April 19-23, 2006.
- 35) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. The Management and Outcomes of Deep Infection after Rotator Cuff Repair. Mid-American Orthopedic Association 24<sup>th</sup> Annual Meeting, San Antonio TX, April 19-23, 2006.
- 36) Sperling LW, Rispoli DM, Athwal GS, Cofield RH. Humeral Head Replacement for the Treatment of Osteoarthritis. 5<sup>th</sup> Biennial AAOS/ASES Shoulder and Elbow Meeting, April 6-9, 2006, Orlando, Florida, USA.
- 37) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. Acute Infection after Surgical Treatment of Proximal Humeral Fractures. 73<sup>rd</sup> Annual Meeting of the American Academy of Orthopedic Surgeons, Chicago, IL, March 22-26, 2006.
- 38) Athwal GS, Sperling LW, Rispoli DM, Cofield RH. Deep Infection after Rotator Cuff Repair. 73<sup>rd</sup> Annual Meeting of the American Academy of Orthopedic Surgeons, Chicago, IL, March 22-26, 2006.
- 39) Rispoli DM, Sperling LW, Athwal GS, Cofield RH. Humeral Head Replacement for the Treatment of Osteoarthritis. Open Meeting of the Society of American Shoulder and Elbow Surgeons, Chicago, IL, March 25, 2006.
- 40) Willis SR, King GJW, Johnson JA. The effect of Compressive Load Magnitude on Radiocapitellar Joint Contact Area. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006.
- 41) McDonald CP, Brownhill JR, King GJW, Peters TM, Johnson JA. A Comparison of Registration Techniques for Computer and Image Assisted Elbow Surgery. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006.
- 42) Brownhill JR, Ferreira LM, Pichora JE, King GJW, Johnson JA. The Flexion Axis of the Ulna: Implications for Intraoperative Elbow Alignment. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006.

- 43) Mozzon J, Brownhill JR, Ferreira LM, King GJW, Johnson JA. Morphologic Analysis of the Proximal Ulna with special interest in Elbow Implant Sizing and Placement. 52<sup>nd</sup> 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. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006
- 45) Whitney KD, Ferreira LM, King GJW, Johnson JA. The Effect of Surface Area Digitizations on the Prediction of Spherical Anatomical Geometries for Computer Assisted Applications. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006.
- 46) McDonald CP, Ferreira LM, Brownhill JR, King GJW, Peters TM, Johnson JA. Surface Morphology of the Capitellum: Implications for Computer-Assisted Surgery. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006
- 47) Kedgley AE, Bicknell RT, Delude JA, Ferreira LM, Dunning CE, King GJW, Faber KJ, Drosdowech DS, Johnson JA. Assessment of Humeral Head Position During Glenohumeral Abduction with Computer-Assisted Shoulder Hemiarthroplasty. 52<sup>nd</sup> Annual Orthopaedic Research Society, Chicago, March 2006
- 48) Kedgley AE, Bicknell RT, Delude JA, Ferreira LM, Dunning CE, King GJW, Faber KJ, Drosdowech DS, Johnson JA. Computer-Assisted Shoulder Hemiarthroplasty Improves Humeral Head Position. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 49) Austman R, Dunning CE, King GJW, Dunham C, Gordon K. Development of a Testing Methodology to Quantify Bone Load Transfer Patterns for Stemmed Implants. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 50) McDonald CP, Brownhill JR, King GJW, Peters TM, Johnson JA. A Comparison of Registration Techniques for Computer and Image Assisted Elbow Surgery. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 51) Dunham C, Austman R, King GJW, Johnson JA, Dunning CE. The role of an anterior flange on load transfer through the distal humerus after elbow arthroplasty. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 52) Shore B, Faber K, King GJW, Patterson SD. Outcome of Metal Radial Head Arthroplasty in Elbow Reconstruction. Canadian Orthopaedic Association 61<sup>st</sup> Annual Meeting. Toronto, Ontario, Canada, June 2006.
- 53) Whitney KD, Ferreira LM, King GJW, Johnson JA. The Effect of Surface Area Digitizations on the Prediction of Spherical Anatomical Geometries for Computer Assisted Applications. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 54) McDonald CP, Ferreira LM, Brownhill JR, King GJW, Peters TM, Johnson JA. Surface Morphology of the Capitellum: Implications for Computer-Assisted Surgery. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 55) Willis SR, King GJW, Johnson JA. The effect of Compressive Load Magnitude on Radiocapitellar Joint Contact Area. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 56) Mozzon J, Brownhill JR, Ferreira LM, King GJW, Johnson JA. Morphologic Analysis of the Proximal Ulna with special interest in Elbow Implant Sizing and Placement. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 57) Brownhill JR, Ferreira LM, Pichora JE, King GJW, Johnson JA. The Flexion Axis of the Ulna: Implications for Intraoperative Elbow Alignment. Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.

- 58) Pichora J, Fraser G, Ferreira L, Brownhill L, Johnson JA, Kong GJW. The Effect of MCL Repair Tension on Elbow Joint Stability. . Canadian Orthopaedic Research Society 40<sup>th</sup> Annual Meeting, Toronto, June 2006.
- 59) Fraser GS, Ferreira LM, Pichora JE, King GJW. Effect of Distal Radius Fractures on Forearm Rotation . Manus Canada Annual Meeting, Quebec City June 2006.
- 60) Brownhill JR, Ferreira LM, Pichora JE, King GJW, Johnson JA. Defining the Flexion-Extension Axis of the Ulna: Implications for Computer-Assisted Intraoperative Elbow Alignment. ASME Summer Bioengineering Conference, Amelia Island, June 2006.
- 61) McDonald CP, Brownhill JR, King GJW, Peters TM, Johnson JA. A Comparison of Registration Techniques for Computer and Image Assisted Elbow Surgery. ASME Summer Bioengineering Conference, Amelia Island, June 2006.
- 62) Dunham C, Austman R, King GJW, Johnson JA, Dunning CE. The role of an anterior flange on load transfer through the distal humerus after elbow arthroplasty. ASME Summer Bioengineering Conference, Amelia Island, June 2006.
- 63) Shore B, Faber K, King GJW, MacDermid JC. Outcome of Metal Radial Head Arthroplasty in Elbow Reconstruction. American Society for Surgery of the Hand, Washington DC, Sept 2006.
- 64) Mozzon J, Brownhill JR, Ferreira LM, King GJW, Johnson JA. Morphologic Analysis of the Proximal Ulna with special interest in Elbow Implant Sizing and Placement. American Society for Surgery of the Hand, Washington DC, Sept 2006.
- 65) Shore B, Kedgley A, Athwal GS, Drosdowech D, Johnson J, Faber KJ. Kinematics of the Shoulder following Rotator Injury: An In-vitro Biomechanical Study. ASME Summer Bioengineering Conference, Amelia Island, June 2006.
- 66) Faber KJ, Burry A, Gan BS, O'Gorman D.  $\beta$ -Catenin is up regulated in frozen shoulder syndrome. Canadian Orthopaedic Association 61<sup>st</sup> Annual Mtg. June 2, 2006, Toronto ON.
- 67) Faber KJ, MacDermid J, Bordage G, Downing S. Validity of In-training Assessment of Orthopaedic Residents. Canadian Orthopaedic Association 61<sup>st</sup> Annual Mtg. June 2, 2006, Toronto ON.
- 68) Morash J, Galea V, MacDermid J, Gross A, Pierrynowski M. Neural strategies controlling the shoulder and arm during a high reach and grasp task in patients with mechanical neck disorders (MND). Orthopedic Symposium, Calgary, Canada, Oct 13-15:p-42, 2006 .
- 69) Bradley LB, Galea V, MacDermid J, Gross A, Pierrynowski MM. Upper limb function in patients with mechanical neck disorder: Joint kinematics. Orthopedic Symposium, Calgary, Canada, 20 Oct 13-15: p-43, 2006 .
- 70) MacDermid JC, Quiron BK, Ghobrial M, St-Amour M, Tsui T: Validation of a new functional test for the shoulder. Canadian Orthopedic Association, Annual Meeting, Toronto, June 2-4, 2006.
- 71) Bryant D, MacDermid JC, Devereaux PJ, Bednarski E, The Expertise-based RCT Working Group: Patients prefer to participate in expertise-based randomized clinical trials. Canadian Orthopedic Association, Annual Meeting, Toronto, June 2-4, 2006.
- 72) Faber KJ, MacDermid J, Bordages G, and Downing S: Initial validation of in-training assessment tools used to measure orthopaedic resident performance. Canadian Orthopedic Association, Annual Meeting, Toronto, June 2-4, 2006.
- 73) MacDermid JC, Woodhouse L, Miller P: The use of quality-of-life measures in clinical practice and research. Canadian Physiotherapy Association. Saint John, New Brunswick. June 29, 2006.
- 74) MacDermid JC, M Ghobrial, K Quirion, M St-Amour, T Tsui: Validation of a new functional test for the shoulder. Canadian Orthopedic Association, Annual Meeting, Toronto, June 2-4, 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.

76) Yeung T, Wessel J, MacDermid J, Stratford P: Validation of the Lower Extremity Functional Scale on in-patients attending an orthopaedic rehabilitation program. GTA Rehab Network Best Practices Day, Toronto, February 28, 2006; received the award for the best student poster.

77) Zhong T, Ross DC, Temple CLF, Zhong R. Experimental Limb Transplantation: Preliminary data for induction of immune tolerance in a mouse limb transplant model. Program, American Association for Hand Surgery, Tucson AZ, January, 2006.

78) Zhong T, Liu Y, Jiang J, Sun H, Garcia B, Liu W, Claire Temple CLF, Ross DC, Zhong R. Experimental limb transplantation part II: Mechanisms of allograft tolerance using a anti-CD45RB monoclonal antibody, LF15-0195 and rapamycin. Program, Canadian Society of Plastic Surgeons Annual Scientific Meeting, Quebec City, May, 2006.

79) Temple CLF, Ross DC, Magi E, DiFrancesco L, Kurien E, Schachar N, Temple WJ. Preoperative chemoradiation and flap reconstruction provides high local control and low wound complication rates for patients undergoing limb salvage surgery for upper extremity sarcoma. Program, Canadian Society of Plastic Surgeons Annual Scientific Meeting, Quebec City, May, 2006.

80) A Yazdani, R Stacpoole, L Ferreira, S Chinchalkar, D Ross. A comparison of distal zone II flexor tendon superficialis repair techniques. with reconstruction with a modified Brunelli technique. Program, Canadian Society for Surgery of the Hand (Manus Canada), Annual Scientific Meeting, Quebec City. May, 2006.

81) Zhong T, Liu Y, Jiang J, Sun H, Garcia B, Liu W, Claire Temple CLF, Ross DC, Zhong R. Long-term limb allograft survival using a short course of anti-CD45RB monoclonal antibody, LF15-0195 and rapamycin in a mouse model. Program, World Transplant Congress, Boston, Mass., July, 2006.

#### 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
- 4) Drosdowech DS. Zimmer Anatomical Shoulder® Inverse/Reverse (International Course) (Chair). CSTAR Lab, London Health Sciences Centre, London, Ontario, June 2006
- 5) Drosdowech DS Fellows Cadaver Lab Course (Linvatec) (Coordinator). Hand & Upper Limb Surgical Skills Lab, London, Ontario, 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
- 8) Athwal GS. Faculty-2<sup>nd</sup> Annual Mayo Clinic Advanced Techniques in Shoulder Arthroscopy Course, Rochester, MN, July 8<sup>th</sup>, 2006.
- 9) Athwal GS. Moderator-Shoulder Sports Medicine. Canadian Orthopaedic Association Specialty Day. Toronto, Ontario, June 2-4, 2006.
- 10) Athwal GS. Faculty-8<sup>th</sup> Annual Mayo Clinic Advanced Elbow Surgical “ The Stiff Elbow” Course, Rochester, MN, May 19-20, 2006.
- 11) Athwal GS. Faculty-Kingston Shoulder Arthroscopy Course, Kingston, Ontario, April 28-29 2006.

#### 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. 18<sup>th</sup> Annual Meeting of the Japanese Society for Surgery of the Elbow, Nagoya, Japan, Jan 2006
- 3) King GJW. Medial and Posterolateral Instability of the Elbow. 18<sup>th</sup> 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

Course. 73rd Annual Meeting of American Academy of Orthopaedic Surgeons, Chicago, USA, March 2006.

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.

7) King GJW- Rheumatoid Arthritis of the elbow-Management options. Dept. of Orthopaedic Surgery Annual Residents Day University of Montreal, Montreal Quebec, May 2006

8) King GJW- Management of perilunate fracture dislocations. Dept. of Orthopaedic Surgery Annual Residents Day University of Montreal, Montreal Quebec, May 2006

9) King GJW- Medial and Lateral Ligament Reconstruction of the Elbow. Dept. of Orthopaedic Surgery Annual Residents Day University of Montreal, Montreal Quebec, May 2006

10) Chess DG. Stryker Knee Symposium 2006, Hip and Knee Navigation, Chicago – USA – March 2006

11) Chess DG. COA , Computer-Assisted Hip Surgery – Workshop, Toronto, ON, Canada 2006 – Toronto Sheraton Centre

12)Chess DG. Surgical Advances in Orthopaedics. Surgical Technique for Primary TKR – Posterior Referencing. New Technologies in TKR – Navigation for TKR, Westin Trillium Blue Mount Resort, Collingwood, ON. September 8-10, 2006

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

14)Grewal R. Distal Radius Fractures and Pattern of Recovery, September 2006

Combined Rehab and HULC Grand Rounds, St. Joseph's Hospital, University of Western Ontario, London, ON

15)Drosdowech DS. Arthroscopic Management of Adhesive Capsulitis of the Shoulder. Florida West Arthroscopy Association , Largo Florida, October 2006

16)Drosdowech DS. Surgical Options for Complex and Revision Anterior Shoulder Instability. Florida West Arthroscopy Association, Largo Florida, October 2006

17)Drosdowech DS. Avoiding Complications of Reverse Shoulder Arthroplasty. Shoulder and Elbow Update, Hand and Upper Limb Centre, University of Western Ontario, London Ontario, October 2006

18)Drosdowech DS Update on Computer Assisted Total Shoulder Arthroplasty. Global Shoulder Society, Boston MA, July 2006

19)Drosdowech DS . Arthroscopic Management of adhesive capsulitis of the shoulder. Canadian Orthopaedic Association 61<sup>st</sup> annual meeting, Sports Medicine Specialty Day, Toronto Ontario, June 2006

20)Drosdowech DS . Reverse shoulder arthroplasty. Canadian Orthopaedic Association 61<sup>st</sup> annual meeting. Techniques in Sports Medicine, Toronto Ontario, June 2006

21)Drosdowech DS. Indications and outcomes of reverse shoulder arthroplasty. Zimmer® Inverse Shoulder Course, CSTAR Lab – University of Western Ontario, London Ontario, May 2006

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

23)King GJW. Osteoarthritis of the Elbow-Treatment Options. Department of Orthopaedic Surgery Annual Residents Research Day. University of Montreal, Montreal, Quebec, May 2006.

24)King GJW. Evolving Surgical Treatment of Rheumatoid Arthritis of the Elbow. 10<sup>th</sup> Annual Edward A. Nalebuff Visiting Lectureship. Boston, Mass, USA May, 2006.

25)King GJW. Lateral Ligament Injuries of the Elbow-Rehabilitation, Repair and Reconstruction. Hand Interest Group of Manitoba, Video Conference Presentation, May, 2006.

- 26) King GJW. Surgical Management of the Rheumatoid Elbow. Orthopaedic Grand Rounds. RUSH University Medical Centre. Chicago, Illinois, June 2006.
- 27) King GJW. Arthroscopic Management of Rheumatoid Arthritis. Wrist and Elbow Arthroscopy. American Society for Surgery of the Hand Precourse, Washington DC, Sept 2006.
- 28) King GJW. Management of Post-traumatic Elbow Contracture. American Society for Surgery of the Hand Symposium, Washington DC, Sept 2006.
- 29) King GJW. Longitudinal Instability of the Forearm. Elbow Reconstruction: Arthroscopy, Instability and Arthroplasty. American Academy of Orthopaedic Surgeons, Orthopaedic Learning Centre, Chicago, IL, USA, Sept 2006.
- 30) King GJW. Coronoid Approach and Fixation. Elbow Reconstruction: Arthroscopy, Instability and Arthroplasty. American Academy of Orthopaedic Surgeons, Orthopaedic Learning Centre, Chicago, IL, USA, Sept 2006.
- 31) King GJW. Linkable Total Elbow Prosthesis. Elbow Reconstruction: Arthroscopy, Instability and Arthroplasty. American Academy of Orthopaedic Surgeons, Orthopaedic Learning Centre, Chicago, IL, USA, Sept 2006.
- 32) King GJW. Advances in Total Elbow Arthroplasty. Bi-Annual Shoulder and Elbow Society of Australia Closed Meeting, Victoria Harbour, Adelaide, South Australia, November 2006.
- 33) King GJW. Terrible Triad of the Elbow. Bi-Annual Shoulder and Elbow Society of Australia Closed Meeting, Victoria Harbour, Adelaide, South Australia, November 2006.
- 34) Athwal GS. Distal Biceps Tendon Injuries. Shoulder and Elbow Update 2006, London, Ontario, October 16<sup>th</sup>, 2006.
- 35) Faber KJ. Controversies and Complications in Upper Extremity Surgery: Role of Hinged External Fixation. AAOS Annual Mtg - ASSH Specialty Day March 22, 2006. Chicago IL.
- 36) Faber KJ. Evaluation of Shoulder Disorders. Instructional Course Lecture. Canadian Orthopaedic Association 61<sup>st</sup> Annual Meeting, June 2, 2006, Toronto ON.
- 37) Faber KJ. Arthroscopic Treatment of Elbow Synovitis. American Society for Surgery of the Hand. Elbow and Wrist Arthroscopy Course. Chicago IL. June 9-10, 2006.
- 38) Faber KJ. Fractures of the Capitellum and Trochlea. American Society for Surgery of the Hand. Elbow and Wrist Arthroscopy Course. Chicago IL. June 9-10, 2006.
- 39) Faber KJ. Arthroscopic Treatment of Post-traumatic Elbow Contracture – When and How. American Society for Surgery of the Hand Annual Mtg. Clinical Symposium. Washington DC. September 9, 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
- 41) MacDermid JC September 2006. The 10 Most-Common Mistakes Made in Scientific Writing. American Society of Hand Therapists Annual Meeting. Atlanta, Georgia.
- 42) MacDermid JC May 2006 The DASH Outcome Measure. Workers Compensation Board/University of Saskatchewan. Saskatoon, Sask.
- 43) MacDermid JC May 2006 The Patient-rated Wrist Evaluation. Workers Compensation Board/University of Saskatchewan. Saskatoon, Sask.
- 44) MacDermid JC May 2006 The Neck Disability Index. Workers Compensation Board/University of Saskatchewan. Saskatoon, Sask.
- 45) MacDermid JC May 2006. Evidence-based Practice for hand therapists. 1<sup>st</sup> Annual Canadian Hand Therapy Meeting. Toronto. Ontario.
- 46) MacDermid JC April 2006. Upper extremity disorders in the workplace: (With Peter Keir) Ontario Physiotherapy Association Annual Meeting: Hamilton, ON

- 47) MacDermid JC March 2006: Wrist Outcome Measures: Measuring the Impact of Therapy. The Naked Arm. Toronto, Ontario
- 48) MacDermid JC March 2006: Translation of Evidence into Practice. Regional Stroke Rehabilitation Symposium. Hamilton, ON
- 49) MacDermid JC March 2006: Wrist Outcome Measures: Philadelphia Hand Meeting, Philadelphia, PA.
- 50) MacDermid JC March 2006: Shoulder /Elbow Outcome Measures: Philadelphia Hand Meeting, Philadelphia, PA.
- 51) MacDermid JC March 2006: Clinical Diagnostic Tests for Carpal Tunnel: Philadelphia Hand Meeting, Philadelphia, PA.
- 52) MacDermid JC March 2006: Research, Knowledge Translation and Clinical Practice: Philadelphia Hand Meeting, Philadelphia, PA.
- 53) MacDermid JC January 2006: Evidence-based Practice: How do surgeons and therapists collaborate? American Association for Surgery of the Hand. Tuscan AZ
- 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

- 1) Ganapathy S, Dhir S, Armstrong K, Tsui B, Drosdowech DS. Cervical epidural vs continuous interscalene block for shoulder arthroplasty: A randomized study. ASA Annual Meeting Abstracts, Chicago IL, October 2006.
- 2) Nguyen D, Ferreira L, Brownhill J, MacDermid J, King G, Johnson J, Drosdowech DS, Faber K. Computer Assisted total Shoulder Arthroplasty: Design & Validation of an Intraoperative Glenoid Tracking System. Computer Aided Surgery (submitted June 2006)
- 3) Kedgley AE, Bicknell RT, DeLude JA, Ferreira LM, Dunning CE, King GJ, Faber KJ, Drosdowech DS, Johnson JA. Assessment of humeral head position during glenohumeral abduction with computer-assisted shoulder hemiarthroplasty. Trans ORS Vol 31:1971, Chicago, IL, 2006.
- 4) Nguyen D, Ferreira LM, Brownhill J, Kedgley AE, MacDermid JC, King GJ, Johnson JA, Drosdowech DS, Faber KJ. Improved accuracy and reliability of computer assisted glenoid implantation (CAGI): A randomized controlled trial. Trans ORS Vol 31:774, Chicago, IL, 2006.
- 5) Willis SR, King GJW, Johnson JA. The effect of Compressive Load Magnitude on Radiocapitellar Joint Contact Area. Trans ORS Vol 31:1930, 2006.
- 6) McDonald CP, Brownhill JR, King GJW, Peters TM, Johnson JA. A Comparison of Registration Techniques for Computer and Image Assisted Elbow Surgery. Trans ORS Vol 31:1931, 2006.
- 7) Brownhill JR, Ferreira LM, Pichora JE, King GJW, Johnson JA. The Flexion Axis of the Ulna: Implications for Intraoperative Elbow Alignment. Trans ORS Vol 31:1932, 2006.
- 8) Mozzon J, Brownhill JR, Ferreira LM, King GJW, Johnson JA. Morphologic Analysis of the Proximal Ulna with special interest in Elbow Implant Sizing and Placement. Trans ORS Vol 31:1934, 2006.
- 9) Brownhill JR, Ferreira LM, Guerra SM, King GJW, Johnson JA. Computer-Assisted Surgical Alignment for Total Elbow Arthroplasty. Trans ORS Vol 31:1935, 2006.

- 10) McDonald CP, Ferreira LM, Brownhill JR, King GJW, Peters TM, Johnson JA. Surface Morphology of the Capitellum: Implications for Computer-Assisted Surgery. *Trans ORS Vol 31:1936*, 2006
- 11) Whitney KD, Ferreira LM, King GJW, Johnson JA. The Effect of Surface Area Digitizations on the Prediction of Spherical Anatomical Geometries for Computer Assisted Applications. *Trans ORS Vol 31:1945*, 2006.
- 12) Fraser GS, Ferreira LM, Pichora JE, Johnson JA, King GJW. Effect of Distal Radial Fractures on Forearm Rotation. *Can J Plast Surg 14:130*, 2006.
- 13) Zhong T, Liu Y, Jiang J, Sun H, Garcia B, Liu W, Claire Temple CLF, Ross DC, Zhong R. Experimental limb transplantation part II: Mechanisms of allograft tolerance using a anti-CD45RB monoclonal antibody, LF15-0195 and rapamycin. *Can J Plast Surg 2006, 14(2):96*.
- 14) Temple CLF, Ross DC, Magi E, DiFrancesco L, Kurien E, Schachar N, Temple WJ. Preoperative chemoradiation and flap reconstruction provides high local control and low wound complication rates for patients undergoing limb salvage surgery for upper extremity sarcoma. *Can J Plast Surg 2006, 14(2):97*.
- 15) A Yazdani, R Stacpoole, L Ferreira, S Chinchalkar, D Ross. A comparison of distal zone II flexor tendon superficialis repair techniques. with reconstruction with a modified Brunelli technique. *Can J Plast Surg 2006, 14(2):98*.

## 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
- 3) Athwal GS, Johnson JA. University of Western Ontario Academic Development Fund. A Biomechanical Assessment of Post-Operative Rehabilitation following Total Shoulder Arthroplasty: Minimization of Stresses to Maximize Stability and Bone On-Growth. \$8409.
- 4) Athwal GS, Johnson JA, Faber KJ, King GJW. Lawson Health Research Institute, Internal Research Fund. Development of a Modular Glenoid Component for Total Shoulder Arthroplasty:. \$14000.
- 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
- 6) Athwal GS, Johnson JA, Faber KJ, King GJW. Summer Research Training Program ( SRTP) 2006. Determination of Correct Radial Head Arthroplasty Length.
- 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

11) Ross DC, Temple CLF, Zhong R. Induction of tolerance in a mouse limb allograft transplant model.

Physicians Services Incorporated Foundation, \$121,500.

## Awards

1) Young Investigator Award, World Transplant Congress, Toni Zhong for: Zhong T, Liu Y, Jiang J, Sun H, Garcia B, Liu W, Claire Temple CLF, Ross DC, Zhong R. Long-term limb allograft survival using a short course of anti-CD45RB monoclonal antibody, LF15-0195 and rapamycin in a mouse model. Program, World Transplant Congress, Boston, Mass., July, 2006.

2) Runner-up, Best Paper (Basic Science), Toni Zhong for: Zhong T, Liu Y, Jiang J, Sun H, Garcia B, Liu W, Claire Temple CLF, Ross DC, Zhong R. Experimental limb transplantation part II: Mechanisms of allograft tolerance using a anti-CD45RB monoclonal antibody, LF15-0195 and rapamycin.

Program, Canadian Society of Plastic Surgeons Annual Scientific Meeting, Quebec City, May, 2006.