

## Publications

1. Faber KJ, Patterson SD, Heathcote JG, Richards RS. Osteoblastoma of the clavicle-case report. *Journal of the Southern Orthopaedic Association* 12 (2):66-70, 2003.
2. Gofton WT, Macdermid JC, Patterson SD, Faber KJ, King GJ. Functional outcome of AO type C distal humeral fractures. *J Hand Surg [Am]*. 2003 Mar;28(2):294-308.
3. El-Hawary R, Macdermid JC, Faber KJ, Patterson SD, King GJ. Distal biceps tendon repair: Comparison of surgical techniques. *J Hand Surg [Am]*. 2003 May;28(3):496-502.
4. Howard JC, Varallo VM, Ross DC, Roth JH, Faber KJ, Alman B, Gan BS. Elevated levels of beta-catenin and fibronectin in three-dimensional collagen matrix cultures of Dupuytren's disease are regulated by tension in vitro. *BMC Musculoskelet Disord*. 2003 Jul 16.
5. Chinchalkar SJ, Gan BS: Management of proximal interphalangeal joint fractures and dislocations. *Journal of Hand Therapy* 2003;16: pp 117-128.
6. Cadieux P, Watterson J, Denstedt J, Harbottle R, Puskas J, Howard JC, Gan BS, Reid G: Potential application of polyisobutylene-polystyrene and a Lactobacillus protein to reduce the risk of device-associated urinary tract infections. *Colloids and Surfaces B: Biointerfaces* 2003;28: pp 95-105.
7. Tse R, Ross DC, Gan BS: Late salvage of a free TRAM flap. *British Journal of Plastic Surgery* 2003; 56: pp 61-64.
8. Varallo VM, Gan BS, Seney S, Ross DC, Roth JR, Richards RS, McFarlane RM, Alman B, Howard JC: Beta-catenin expression in Dupuytren's disease: a role for cell-extra-cellular matrix interactions in modulating beta-catenin levels. *Oncogene* 2003;12(24): pp 3680-3684.
9. MacDonald, S.J., McCalden, R.W., Chess, D.G., Bourne, R.B., Rorabeck, C.H., Cleland, D., Leung, F., - Metal on Metal versus Metal on Polyethylene Liners in Total Hip Arthroplasty: Clinical and Metal Ion Results of a Prospective Randomized Clinical Trial. *Clinical Orthopaedics and Related Research – 2003 – Number 406*, pp 282-296
10. Johnson, J.A., Bicknell, R.T., Chess, D.G., King, G.J.W., Liem, A. Does Keel Size, The Use of Screws, and use of Bone Cement Affect Fixation Of a Metal Glenoid Implant? *Journal of Shoulder and Elbow Surgery (Reference – YMSE27) – May-June 2003 Issue*
11. MacDermid JC, Richards RS, Roth JH, King GJK, Ross D: Endoscopic versus open carpal tunnel release: A randomized trial. *Journal of Hand Surgery* 28: 475-480, 2003.
12. Kramer JK, Street S, S, Harburn K, Hansen R, MacDermid JC: Changes in postural risk and general health associated with a participatory ergonomics education program used by heavy video display terminal users: A Pilot Study. *Journal of Hand Therapy* 16:29-35, 2003.
13. Williams R, MacDermid JC, Wessel J: Student adaptation to problem-based learning in an entry-level master's physical therapy program. *Physiotherapy Research and Practice* 19:199-212, 2003
14. Zakaria D, Mustard C., Robertson J, MacDermid JC, Hartford K., Clark J. & Koval, J: Identifying cumulative trauma disorders of the upper extremity in workers' compensation databases. *American Journal of Industrial Medicine* 43:507-18, 2003.
15. MacDermid JC, Rampersaud R, Bain GI, Roth JH: Trapezial arthroplasty with silicone rubber implantation for advanced osteoarthritis of the trapeziometacarpal joint of the thumb. *Canadian Journal of Surgery* 46: 103-110, 2003.
16. Duck TR, Dunning CE, King GJW, Johnson JA. (2003). Variability and Repeatability of the Flexion Axis at the Ulnohumeral Joint, *Journal of Orthopaedic Research* 21(3):399-404.
17. Dunning CE, Gordon KD, King GJW, Johnson JA. (2003). Development of a Motion-Controlled in-vitro Elbow Testing System, *Journal of Orthopaedic Research* 21(3):405-411.
18. Duck TR, Dunning CE, Armstrong AD, Johnson JA, King GJW. (2003). Application of Screw Displacement Axes to Quantify Elbow Instability, *Clinical Biomechanics* 18(4):303-310.

19. Armstrong AD, Brien HJC, Dunning CE, King GJW, Johnson JA, Chess DG. (2003). Patellar Position after Total Knee Arthroplasty: Influence of Femoral Component Malposition, *Journal of Arthroplasty* 18(4):458-465.
20. Dunning CE, Duck TR, King GJW, Johnson JA. (2003). Quantifying Translations in the Radiohumeral Joint: Application of a Floating Axis Analysis, *Journal of Biomechanics* 36(8):1219-1223.
21. Beingsessner DM, Dunning CE, Beingsessner CJ, Johnson JA, King GJW. (2003). The Effect of Radial Head Fracture Size on Radiocapitellar Joint Stability, *Clinical Biomechanics* 18(7):677-681.
22. Gordon KD, Dunning CE, Johnson JA, King GJW. (2003). Kinematics of Ulnar Head Arthroplasty, *Journal of Hand Surgery (British)* 28(6):551-558.
23. Temple CLF, Ross DC, Dunning CE, Johnson JA, King GJW. (2003). Tensile Strength of Healing Peripheral Nerves, *Journal of Reconstructive Microsurgery* 19(7):483-488.
24. Gordon KD, Dunning CE, Johnson JA, King GJW. (2003). Influence of the Pronator Quadratus and Supinator Muscle Load on DRUJ Stability, *Journal of Hand Surgery*, 28(6):943-950.
25. Sampath S, Temple CLF, Temple WJ. Precision handling of the sentinel node. *Journal of Surgical Oncology*, 84: 176-177, 2003.
26. Temple CLF, Ross DC, Bennett JD, Garvin G, King GJW, Faber KJ. Sensitivity and specificity of CT versus plain film radiography in a cadaver model of scaphoid fracture. Accepted to the *Journal of Hand Surgery*, 2003.
27. Temple CLF, Strom EAS, Youssef A, Langstein HN. Recipient vessel choice in delayed TRAM flap breast reconstruction in the irradiated patient. Accepted to the *Journal of Plastic and Reconstructive Surgery*, 2003
28. Beadel GP, Ferreira LM, Johnson JA, King GJW: Intrascaphoid compression generated by the acutrak standard, acutrak mini and bold screws, an in vitro biomechanical study, *J Hand Surg*, May, 2003.

#### Published Abstracts

1. Nguyen DQT, Ross DC, Matthews TW, Yoo J, Faber KJ. Shoulder Morbidity Following Free Osteocutaneous Scapular Flap Harvest: a Pilot Study. *Can J Plast Surg*. 11:114. 2003.
2. Beiko DT, Cadieux PA, Watterson JD, Burton JP, Knudsen BE, Howard JC, Gan BS, Reid G, Denstedt JD: Surface-enhanced laser desorption/ionization-time of flight-mass spectrometry (SELDI-TOF-MS): A new proteomic urinary screening test for patients with urolithiasis. *Journal of Urology* 2003;169(4): pp 1276.
3. Tse R, Howard JC, Gan BS: The effects of TGF- $\beta$  on cultured Dupuytren's fibroblasts in a collagen matrix. *Canadian Journal of Plastic Surgery* 2003;11(2): pp 102.
4. Boyd K, MacDermid JC, Gan BS, Ross DC, Richards RS, Roth JH: Carpal tunnel syndrome: Failures in conservative management and subsequent surgical outcomes. *Canadian Journal of Plastic Surgery* 2003;11(2): pp 111.
5. Beiko DT, Cadieux PA, Watterson JD, Burton JP, Knudsen BE, Howard JC, Gan BS, Reid G, Denstedt JD: Surface-enhanced laser desorption/ionization-time of flight-mass spectrometry (SELDI-TOF-MS): A simple and novel urinary screening test for patients with urolithiasis. *Canadian Journal of Urology* 2003;10(3): pp 1867.
6. Howard JC, Gan BS, Richards RS, Ross DC, Roth JH, Alman B: Beta-catenin expression in Dupuytren's disease: potential role for cell-matrix interactions in modulating beta-catenin levels in vivo and in vitro. *Molecular Biology of the Cell* 2003;14(Suppl): pp 69A.
7. MacDermid JC, Gan BS, Ross RC, James H. Roth, Richards RS, Faber K, King GJ, Miller T, Howard JC, Earnest E, Almada A: A randomized trial on the use of Astaxanthin as an adjunct in the treatment of carpal tunnel syndrome. *Journal of Hand Therapy* 2003;16(3): pp 270.
8. Chinchalkar SJ, Gan BS: Classification of dorsal lip proximal interphalangeal joint fractures. *Journal of Hand Therapy* 2003;16(3): pp 277.

9. Chinchalkar SJ, Gan BS, McFarlane RM, King GJ, Roth JH: Syndrome of extensor quadrigia. *Journal of Hand Therapy* 2003;16(3): pp 278.
10. Dunning CE, Duck TR, King GJW, Johnson JA. (2003). Application of the Floating Axis Analysis to Quantify Elbow Kinematics, *Transactions of the Orthopaedic Research Society* 27: Paper 1187.
11. Dunning CE, Gordon KD, King GJW, Johnson JA. (2003). Development of a Motion-Controlled Elbow Simulator, *Transactions of the Orthopaedic Research Society* 27: Paper 1188.
12. Duck TR, Dunning CE, Johnson JA, King GJW. (2003). The Effect of Forearm Rotation on the Elbow Flexion Axis during Passive and Simulated Action Motion – An In-vitro Study, *Transactions of the Orthopaedic Research Society* 27: Paper 1189.
13. Gordon KD, Dunning CE, Johnson JA, King GJW. (2003). Influence of Pronator Quadratus and Supinator Muscle Load on Forearm Kinematics, *Transactions of the Orthopaedic Research Society* 27: Paper 1198.
14. Armstrong AD, Dunning CE, Ferreira LM, Faber KJ, Johnson JA, King GJW. (2003). A Biomechanical Comparison of Four Reconstruction Techniques for the Medial Collateral Ligament Deficient Elbow, *Transactions of the Orthopaedic Research Society* 27: Paper 1193.
15. Armstrong AD, Ferreira LM, Dunning CE, Johnson JA, King GJW. (2003). The Medial Collateral Ligament of the Elbow is not Isometric, *Transactions of the Orthopaedic Research Society* 27: Paper 1191.
16. Temple CLF, Ross DC, Bennett JD, Garvin G, King GJW, Faber KF, MacDermid JC. CT vs plain film radiography in the diagnosis of scaphoid fractures. *J Ven Soc Surg*
17. Temple CLF, Chang, DC, Langstein HNL. The Microsurgeon's Role in the Treatment of Rhabdomyosarcoma of the Head and Neck CLF Temple, DW Chang, HN Langstein. *Can J Plast Surg* 11(2), 111, 2003.

#### Book Chapters

1. Faber KJ, Thompson JM and Walton A. *Examining the Shoulder: a guide to assessing shoulder pain.* (Toronto: Arthritis Society, 2003).

#### Presentations

1. Armstrong AD, Dunning CE, Harwood C, Ferreira LM, Faber KJ, Johnson JA, King GJW. A biomechanical comparison of four reconstruction techniques for the medial collateral ligament of the elbow. *American Academy of Orthopaedic Surgeons Annual Meeting.* New Orleans LA. February 8 2003.
2. Patterson SD, King GW, Dubberley JH, Faber KJ, MacDermid JC. Outcome after ORIF of Capitellum/Trochlea Fractures. *Florida Hand Society Annual Meeting,* Orlando, Florida. May 16th, 2003
3. Nguyen DQT. Ross DC, Matthews TW, Yoo J, Faber KJ. Shoulder Morbidity Following Free Osteocutaneous Scapular Flap Harvest: a Pilot Study. Presented at the 57th Annual Canadian Society of Plastic Surgery Meeting. Whistler, B.C. June 25-28, 2003.
4. Bicknell RT, Harwood JC, Ferreira LM, King GJW, Johnson JA, Faber KJ, Drosdowech D. Cyclic loading of rotator cuff repairs: An in-vitro biomechanical comparison of bioabsorbable anchors with transosseous sutures. *Canadian Orthopaedic Association Annual Meeting.* Winnipeg, Manitoba, Canada, October 2003.
5. MacDermid JC, Drosdowech D, Faber KJ. Responsiveness of self-report measures in evaluating rotator cuff repair. *Canadian Orthopaedic Association Annual Meeting.* Winnipeg, Manitoba, Canada, October 2003.
6. Sahajpal D, Drosdowech D, MacDermid JC, Patterson SD, Faber KJ. A prospective evaluation of function and strength after rotator cuff surgery. *Canadian Orthopaedic Association Annual Meeting.* Winnipeg, Manitoba, Canada, October 2003.

7. Dubberley JH, Faber KJ, MacDermid JC, Patterson SD, Romano W, Garvin G, Bennett J, King GJW. MRI and CT arthrography have limited utility for the detection of loose bodies in the elbow. Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
8. Armstrong A, Dunning C, Ferreira L, Faber KJ, Johnson JA, King, GJW. A biomechanical comparison of four reconstruction techniques for the medial collateral ligament of the elbow. Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
9. Manwell S, Drosdowech D, Faber KJ, Johnson JA, Ferreira, L. Biomechanics of clavicle fracture internal fixation. Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
10. Dubberley JH, Faber KJ, MacDermid, JC, Patterson SD, King JW. Outcome after ORIF of capitellum and trochlea fractures. Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
11. Almalki Y, MacDermid JC, King GJW, Faber KJ, Roth JH. Concurrent and construct validity of the American Shoulder and Elbow Surgeons Elbow Assessment Form (ASES-e) and the Patient-Related Elbow Evaluation (PREE). Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
12. Attiah MT, Faber KJ, MacDermid JC, Garvin G. The prevalence of wrist ganglia in an asymptomatic population: MRI evaluation. Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
13. Viskontas D. Faber KJ. Drosdowech D. MacDermid JC. Lateral acromion angle: do xray and MRI interpretations correlate and is it a reliable method of acromion morphology assessment? Canadian Orthopaedic Association Annual Meeting. Winnipeg, Manitoba, Canada, October 2003.
14. Cadieux PA, Howard JC, Gan BS, Denstedt J, Reid G: Use of SELDI-TOF-MS to identify patients with urolithiasis. LHRI Sister Mary Doyle Research Day, London ON, Canada, Mar 2003.
15. Beiko DT, Cadieux PA, Watterson JD, Burton JP, Knudsen BE, Howard JC, Gan BS, Reid G, Denstedt JD: Surface-enhanced laser-desorption/ionization - time of flight – mass spectrometry (SELDI-TOF-MS): A new proteomic urinary screening test for patients with urolithiasis. American Urological Association, Chicago IL, USA, Apr 2003.
16. Tse R, Howard JC, Gan BS: The effects of TGF- $\beta$  on cultured Dupuytren's fibroblasts in a collagen matrix. Canadian Society of Plastic Surgeons, Whistler BC, Canada, Jun 2003.
17. Boyd K, MacDermid JC, Gan BS, Ross DC, Richards RS, Roth JH: Carpal tunnel syndrome: Failures in conservative management and subsequent surgical outcomes. Canadian Society of Plastic Surgeons, Whistler BC, Canada, Jun 2003.
18. Beiko DT, Cadieux PA, Watterson JD, Burton JP, Knudsen BE, Howard JC, Gan BS, Reid G, Denstedt JD: Surface-enhanced laser desorption/ionization-time of flight-mass spectrometry (SELDI-TOF-MS): A simple and novel urinary screening test for patients with urolithiasis. (Poster) Canadian Urological Association, Halifax NS, Canada, Jun 2003.
19. Sabet LM, Salama S, Wexler D, Gan BS: Unusual refractive chronic bilateral leg ulceration: a diagnostic dilemma. (Poster) American Society of Dermatopathology, Chicago IL, USA, Oct 2003.
20. Howard JC, Gan BS, Richards RS, Ross DC, Roth JH, Alman B: Beta-catenin expression in Dupuytren's disease: potential role for cell-matrix interactions in modulating beta-catenin levels in vivo and in vitro. (Poster) American Society for Cell Biology, San Francisco CA, USA, Dec 2003.
21. Bicknell R, DeLude JA, Ferreira LM, King GJW, Johnson JA, Faber KJ, Drosdowech DS: Computer Assisted Shoulder Hemiarthroplasty for Fractures of the Proximal Humerus. Canadian Arthroscopy Network Meeting. Montreal, Quebec. November 2003.
22. Metal on Metal versus Metal on Polyethylene in Total Hip Arthroplasty? A Prospective Randomized Clinical Trial  
MacDonald, S.J., McCalden, R.W., Chess, D.G., Bourne, R.B., Rorabeck, C.H., Cleland, D., Leung, F.

75h Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana  
February 2003

23. Ligamentous Balancing in Total Knee Arthroplasty: an In Vitro Load Cell Analysis. Roth, S., El-Hawary, R, Chess, D.G., King, G.J.W., Johnson, J.A. Orthopaedic Research Society Meeting, New Orleans, LA February 2003
24. The Effect of the Posterior Cruciate Ligament on Total Knee Arthroplasty Load Balance. Roth, S., El-Hawary, R, Chess, D.G., King, G.J.W., Johnson, J.A. Orthopaedic Research Society Meeting, New Orleans, LA February 2003, Poster
25. Ligamentous Balancing in Total Knee Arthroplasty: an In Vitro Load Cell Analysis. Roth, S., El-Hawary, R, Chess, D.G., King, G.J.W., Johnson, J.A. CORS-Toronto, 2003
26. The Effect of the Posterior Cruciate Ligament on Total Knee Arthroplasty Load Balance. Roth, S., El-Hawary, R, Chess, D.G., King, G.J.W., Johnson, J.A. Orthopaedic Research Society Meeting. CORS-Toronto 2003 -Poster
27. Beadel G, MacDermid JC, Sanders D, Roth JH: Dorsal opening osteotomy for healed angulated distal radius fractures using cancellous bone graft. Canadian Orthopaedic Association. Winnipeg, Manitoba, October 4, 2003.
28. Beadel G, MacDermid JC, Sanders D, Roth JH: Dorsal opening osteotomy for healed angulated distal radius fractures using cancellous bone graft. 58th Annual Meeting American Society for Surgery of the Hand. Chicago, Illinois. September 19-20, 2003
29. Beadel G, MacDermid JC, Sanders D, Roth JH: Dorsal opening osteotomy for healed angulated distal radius fractures using cancellous bone graft. Adrian E. Flatt Resident and Fellows Conference. Chicago, Illinois September 18, 2003.
30. MacDermid JC, Roth JH, Gibson E: Development of Outcomes-based Approach to Evaluation in a WSIB Upper Limb Specialty Clinic. Achieving Excellence through Collaboration: Best Rehabilitation Outcomes Conference. Toronto, Ontario. September 2003.
31. Patterson SD, King GW, Dubberley JH, Faber KJ, MacDermid JC: Outcome after ORI of Capitellum/Trochlea Fractures. Florida Hand Society Meeting, Orlando, Florida September 2003
32. MacDermid JC, Tottenham V: The responsiveness of the Patient-rated Wrist/Hand Evaluation (PRWHE) and the DASH in assessing change related to hand therapy in patients with wrist or hand pathology. Annual Meeting of the American Society of Hand Therapists. Ottawa, Ontario. September 20, 2002. Journal of Hand Therapy 16: 272-73, 2003.
33. MacDermid JC, Gan BS, Miller T, Ross D, Richards RS, Roth JH, King GJK: The use of astaxanthin as an adjunct in the management of carpal tunnel syndrome: A randomized trial. Annual Meeting of the American Society of Hand Therapists. Ottawa, Ontario. September 20, 2002. Journal of Hand Therapy 16: 270-71, 2003
34. Temple CLF, Youssef A, Strom EA, Langstein HNL. Does recipient vessel choice in irradiated TRAM flaps affect outcome? Annual Scientific Meeting, American Society of Reconstructive Microsurgery, Kauai, Hawaii.
35. Temple CLF, Chang, DC, Langstein HNL. The Role of the Microsurgeon in Treatment of Rhabdomyosarcoma of the Head and Neck American Society of Reconstructive Microsurgery, Kauai, Hawaii. Annual Scientific Meeting,
36. Temple CLF, Chang, DC, Langstein HNL. The Microsurgeon's Role in Treatment of Rhabdomyosarcoma of the Head and Neck Ann Canadian Society of Plastic Surgery, Annual meeting, Whistler, British Columbia.
37. Campbell LJ, Armstrong AD, Ferreira LM, King GJW, Johnson JA The Effect of Metacarpal Stem configuration on Load Transfer to the Long-Finger Metacarpal: An In-Vitro Biomechanical Study. The 49<sup>th</sup> Annual Meeting of the Orthopaedic Research Society New Orleans, February 2003. (Poster)
38. Gordon KD, Pardo R, Johnson JA, King GJW, Miller TA EMG Activity During Resisted Forearm Rotation ..

- The 49<sup>th</sup> Annual Meeting of the Orthopaedic Research Society. New Orleans, February, 2003. (Poster)
39. Duck TR, Ferreira LM, King GJW, Johnson JA. Accuracy of the Screw Displacement Axis Technique for Quantifying Relative Motion Across a Joint. The 49<sup>th</sup> Annual Meeting of the Orthopaedic Research Society. New Orleans, February, 2003. (Poster)
  40. Beadel GP, Ferreira LM, Johnson JA, King GJW Intrasaphoid Compression Generated by the Acutrak Standard, Acutrak Mini and Bold Screws An In Vitro Biomechanical Study. 58<sup>th</sup> Annual Meeting of the American Society for Surgery of the Hand Chicago, IL (Poster)
  41. . Beadel GP, Ferreira LM, Johnson JA, King GJW Intrasaphoid Compression Generated by the Acutrak Standard, Acutrak Mini and Bold Screws An In Vitro Biomechanical Study. The Canadian Orthopaedic Research Society 37<sup>th</sup> Annual Meeting. Winnipeg, October, 2003 (Poster)
  42. . Gordon KD, Miller TA, Pardo RD, Johnson JA, King GJW EMG Activity During Resisted Forearm Rotation The Canadian Orthopaedic Research Society 37<sup>th</sup> Annual Meeting Winnipeg, October, 2003 (Poster)
  43. . Duck TR, Ferreira LM, King GJW, Johnson JA. Assessment of Screw Displacement Axis (SDA) Accuracy for Describing Joint Kinematics The Canadian Orthopaedic Research Society 37<sup>th</sup> Annual Meeting Winnipeg, October, 2003 (Poster)
  44. El-Hawary R, Roth SE, Harwood JC, Johnson JA, King GJW Ligamentous Balancing in Total Knee Arthroplasty: An In-Vitro Load Cell Analysis.. The Canadian Orthopaedic Research Society 37<sup>th</sup> Annual Meeting Winnipeg, October, 2003
  45. . El-Hawary R, Roth SE, Harwood JC, Johnson JA, King GJW, Chess DG The Effect of the Posterior Cruciate Ligament on Total Knee Arthroplasty Load Balance. The Canadian Orthopaedic Research Society 37<sup>th</sup> Annual Meeting. Winnipeg, October, 2003 (Poster)
  46. Stacpoole RA, Harwood FC, Ferreira LM, Johnson JA, King GJW. The Effect of Cementless Radial Head Implant Stem Geometry on Initial Implant Micromotion In-Vitro The Canadian Orthopaedic Research Society 37<sup>th</sup> Annual Meeting. Winnipeg, October, 2003 (Poster)
  47. Athwal GGS, Chenkin J, Sahajpal D, King GJW, Pichora DR Orthosphere Arthroplasty of the Carpometacarpal Joint of the Thumb: Early Failures. The Canadian Orthopaedic Association 58<sup>th</sup> Annual Meeting. Winnipeg, October, 2003 (Poster)
  48. Skrinkas TV, Viskontas DG, Ferreira L, King GJW, Johnson JA, Chess DG The Effect of Sub-Physiologic Loading on the Medial-Lateral Load Balance Following Knee Arthroplasty: An In-Vitro Model. Medical Imaging Computing & Computer Assisted Intervention. Montreal, November, 2003
  49. Stacpoole RA, Ferreira LM, King GJW, Johnson JA. Development of Computer Assisted Radial Head Replacement. Medical Imaging Computing & Computer Assisted Intervention Montreal, November, 2003
  50. Chinchalkar SJ. A low tech alternative to static progressive wrist splinting. The wrist strap. American Society of Hand Therapists. Hollywood Ca. Oct, 2003

#### Invited presentations

1. Faber KJ. Elbow arthroscopy in the treatment of elbow stiffness. Steadman - Hawkins Clinic Visiting Lecturer, Vail CO USA, 6 June, 2003.

2. Gan BSG. St. Michael's Hospital, University of Toronto, Toronto ON, Canada, Sep 2003. Battling bugs and biofilms in wounds: An infectious disease approach.
3. Gan BSG. American Society of Hand Therapists, Hollywood CA, USA, Oct 2003. Instructional Course: Proximal interphalangeal joint fractures and dislocations.
4. Gan BSG. Workplace Safety and Insurance Board, Toronto ON, Canada, Oct 2003. Management of PIPJ injuries.
5. Drosdowech. D. What's New in Shoulder Surgery. Canadian Orthopaedic Nurses Association (CONA) Annual Meeting, October 30<sup>th</sup>, 2003, London, Ontario
6. Drosdowech. D. Cemented versus Uncemented Shoulder Replacements. Emerging Trends, Whistler 2003 Orthopaedic Symposium, Whistler, BC, March 2003
7. Chess D.C. Contemporary & Future Concepts of Total Hip and Knee Arthroplasty
8. Computer Assisted Navigation for Primary TKR
9. Whistler, British Columbia, February 2003
10. MacDermid JC. Evidence-based practice. American Society of Hand Therapists. Hollywood, CA. October 20, 2003
11. MacDermid JC. Evidence-based practice: Bridging the Gap between Research and Clinical Practice. 58th Annual Meeting American Society for Surgery of the Hand. Chicago, Illinois. September 19, 2003
12. MacDermid JC. Outcome Measures: Are We Proving the Value of Physiotherapy. Stand Up and Be Counted. Ontario Physiotherapy Association Conference, Kingston. On
13. Richards RS. Endoscopic Carpal Tunnel Release. 57th Annual Canadian Society of Plastic Surgery Meeting. Whistler, B.C. June 25-28, 2003.

14. King GJW. Indications for Total Elbow Arthroplasty. Current Concepts of Shoulder and Elbow Surgery. Tampa Florida, January 2003.
15. King GJW Complications of Arthroplastic Elbow Surgery. Current Concepts of Shoulder and Elbow Surgery
16. Tampa Florida, January 2003.
17. King GJW. Radial Head Fractures. Current Concepts of Shoulder and Elbow Surgery
18. Tampa Florida, January 2003.
19. King GJW . The Unstable Elbow – Anatomy, Biomechanics and Treatment (Wright Medical Technology). Instructional Course. 70<sup>th</sup> Annual Meeting, American Academy of Orthopaedic Surgeons. New Orleans, February 2003.
20. King GJW. Radial Head Fractures – Replacement – When and How. 70<sup>th</sup> Annual Meeting, American Academy of Orthopaedic Surgeons. New Orleans, February 2003.
21. King GJW . Elbow Reconstruction: An Updated Perspective. Symposium: Shoulder and Elbow. Arthroscopy – What You Can and Can't Do. 70<sup>th</sup> Annual Meeting, American Academy of Orthopaedic Surgeons
22. New Orleans, February 2003
23. King GJW .Total Elbow Arthroplasty: Complications and Salvage. Emerging Trends in Upper Extremity Surgery. Whistler Orthopaedic Symposium. Whistler, March 2003
24. King GJW. Basic Elbow Arthroscopy. Continuing Orthopaedic Education: Arthroscopy. Australian Orthopaedic Association. Perth, April 2003
25. King GJW. Advanced Elbow Arthroscopy. Continuing Orthopaedic Education: Arthroscopy
26. Australian Orthopaedic Association. Perth, April 2003
27. King GJW. Elbow Arthroscopy: Technique and Anatomy. Continuing Orthopaedic Education: Arthroscopy
28. Australian Orthopaedic Association. Perth, April 2003
29. King GJW. Elbow Arthroscopy for Degenerative Joint Disease. Continuing Orthopaedic Education: Arthroscopy. Australian Orthopaedic Association. Perth, April 2003
30. King GJW. Arthroscopic Treatment of Tennis Elbow and Inflammatory Arthritis. Continuing Orthopaedic Education: Arthroscopy. Australian Orthopaedic Association. Perth, April 2003
31. King GJW. Posterolateral Rotatory Instability of the Elbow. Emerging Trends in Orthopaedics. The Upper Extremity in Adults and Children. New Jersey School of Medicine and Dentistry. Parsippany, New Jersey, April 2003
32. King GJW. Radial Head Fractures and Arthroplasty. Emerging Trends in Orthopaedics. The Upper Extremity in Adults and Children. New Jersey School of Medicine and Dentistry. Parsippany, New Jersey, April 2003
33. King GJW. Management of Elbow Arthritis in the Young Adult. Emerging Trends in Orthopaedics. The Upper Extremity in Adults and Children. New Jersey School of Medicine and Dentistry. Parsippany, New Jersey, April 2003
34. King GJW. Humerus, Elbow, Forearm Trauma and Elbow Reconstruction. 19<sup>th</sup> Annual Comprehensive Review Course for Orthopaedic Surgeons. American Academy of Orthopaedic Surgeons. Chicago, Illinois, May 2003
35. King GJW. Elbow Arthroscopy: What's New?. CV Starr Hand Surgery Center. St. Luke's/Roosevelt Hospital
36. New York, June 2003
37. King GJW. Radial Head Fractures: From Bench to Bedside. CV Starr Hand Surgery Center. St. Luke's/Roosevelt Hospital. New York, June 2003
38. King GJW. Indications and Treatment – Coronoid and Radial Head Fractures. Becoming a Giant: Mastering Techniques in the Upper Limb. Precourse – 58<sup>th</sup> Annual Meeting American Society for Surgery of the Hand
39. Chicago, September, 2003
40. King GJW. Interactive Case Review – Elbow Trauma and Arthritis. 58<sup>th</sup> Annual Meeting American Society for Surgery of the Hand. Chicago, September, 2003

41. King GJW. Advanced Techniques in Reconstruction of the Elbow, Forearm and Distal Radioulnar Joint . Live Surgical Demonstration: Total Elbow Arthroplasty. Preconference Workshop – 58<sup>th</sup> Annual Meeting American Society for Surgery of the Hand. Chicago, September, 2003
42. King GJW. Elbow Fractures: Current Concepts – Radial Head. Surgical Skills Course. 58<sup>th</sup> Annual Meeting American Society for Surgery of the Hand. Chicago, September, 2003
43. King GJW. Distal Humerus fractures in the Elderly- Internal Fixation vs Arthroplasty. Instructional Course
44. Canadian Orthopaedic Association, 58<sup>th</sup> Annual Meeting. Winnipeg, October, 2003.
45. King GJW. Radial Head: Bench to Bedside. Michigan State University. Visiting Professor. Kalamazoo, October 2003
46. King GJW. Distal Radioulnar Joint Instability. Michigan State University. Visiting Professor
47. Kalamazoo, October 2003
48. King GJW. Management of the Stiff Elbow. Michigan State University
49. Visiting Professor. Kalamazoo, October 2003
50. King GJW. Complex Elbow Instability: The ‘Terrible Triad’ Management Principles. Shoulder and Elbow: The Essentials. AAOS Learning Centre. Chicago, November 2003
51. King GJW. Total Elbow Arthroplasty: Live Surgical Demonstration. Shoulder and Elbow: The Essentials. AAOS Learning Centre. Chicago, November 2003
52. King GJW. The Essential or Less Essential Role of the Radial Head. Instructional Course: Complex Elbow Instability. ASES Shoulder and Elbow Arthritis
53. Las Vegas, November 2003
54. King GJW. Joint Replacement Arthroplasty. Symposium: Is Surgery Still Needed for Rheumatoid Arthritis of the Elbow. ASES Shoulder and Elbow Arthritis. Las Vegas, November 2003
55. King GJW. Limited Open Capsular Release: The Column Procedure. How-to Video. ASES Shoulder and Elbow Arthritis. Las Vegas, November 2003
56. King GJW. Distal Ulnar Replacement. Surgery of the Upper Extremity: A Symposium on Current Techniques
57. New York, December 2003
58. King GJW. Operative Fixation of Distal Humerus Fractures. Surgery of the Upper Extremity: A Symposium on Current Techniques. New York, December 2003
59. King GJW. Radial Head Replacement. Surgery of the Upper Extremity: A Symposium on Current Techniques
60. New York, December 2003
61. Chinchalkar SJ. Wrist Kinematics and Elbow Biomechanics. Montreal, Nov 2003
62. Chinchalkar SJ. Wrist Kinematics and Elbow Biomechanics. Fredericton NB, Nov 2003
63. Chinchalkar SJ. Wrist Kinematics and Elbow Biomechanics. Winnipeg MB, Nov 2003
64. Chinchalkar SJ. PIP joint fracture dislocations. American Society of Hand Therapists. Hollywood Ca. Oct, 2003
65. Chinchalkar SJ Anatomy and Biomechanics of the Extensor tendons. American Society of Hand Therapists. Hollywood Ca. Oct, 2003
66. Chinchalkar SJ. Biomechanics of the Thumb. American Society of Hand Therapists. Hollywood Ca. Oct, 2003
67. Chinchalkar SJ. Biomechanics of the Hand. Boston MA. April 2003
68. Chinchalkar SJ. Wrist Kinematics and Elbow Biomechanics. Vancouver BC, Feb 2003.

#### Committee Memberships, Courses Organized or Faculty

1. Faber KJ. Undergraduate Medical Education, Department of Surgery

2. Faber KJ .Program Training Committee, Division of Orthopaedics, Department of Surgery
3. Faber KJ. Stress and Gender Issues Committee, Division of Orthopaedics, Department of Surgery
4. Faber KJ Musculoskeletal Curriculum Study Group Meds I and II, University of Western Ontario, Faculty of Medicine Surgery Faber KJ .Clerkship Coordinator, St Joseph's Health Care London, University of Western Ontario.
5. Drosdowech D. Fellows Cadaver Lab Course (Linvatec), Hand & Upper Limb Surgical Skills Lab London, Ontario, November 2003
6. Drosdowech D Delta ® Reverse Shoulder Learning Centre (moderator), Health Science Centre Calgary, Alberta, October 2003
7. Drosdowech D Fellows Cadaver Lab Course (Linvatec), Hand & Upper Limb Surgical Skills Lab London, Ontario, April 2003
8. Drosdowech D Delta ® Reverse Shoulder Learning Centre (moderator), University of Toronto Toronto, Ontario, March 2003

## Grants

Agency-NSERC

Investigators- Johnson JA

Title-A laboratory based joint implant system to evaluate

Period- 2003-2008

Amount-\$180,000.00 (\$36,000 x 5 years)

Agency-CIHR-Canadian Institutes of Health Research

Investigators- Gan BSG

Title-Molecular Mechanisms of Dupuytren's Contracture

Period- 2003-2004

Amount-\$117,218.00

Agency-Lawson Health Research Institutes

Investigators- Drosdowech D

Title-The role of hydrotherapy in the treatment of frozen shoulder-pilot study for a randomized clinical trial.

Period- 2003-2004

Amount-\$14,000

Molecular Mechanisms of Dupuytren's Contracture. Gan BS, Howard JC, Alman BA: Canadian Institutes of Health Research (\$ 58,609 2003, non-renewable gap funding)

Molecular Mechanisms of Dupuytren's Contracture. Gan BS, Howard JC, Alman BA: Canadian Institutes of Health Research (\$ 376,092 2003-2006)

Faber K, MacDermid JC, Open Reduction External Fixation Versus Arthroscopic Reduction and External Fixation in Distal Radius Fractures: a Randomized Trial. \$86,700. Physician Services Inc. Funding Period: 2003-05.

Sequeira K (PI), Faber KJ, McLeod MD, Miller T. Development of neuromuscular teaching centre. \$4000. Instructional Innovation and Development Fund. University of Western Ontario. London Canada. Dec. 2003.

Faber KJ (PI), Johnson J, King GJW, Kedgley A. Development of a shoulder simulator. \$14,400.

Drosdowech, D Canadian Institute of Health Research (CIHR) & London Health Sciences Centre (LHSC) January 2003. 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. \$148,000.00

Johnson JA, King GJW, Chess DG- Computer Assisted Joint Replacement Surgery. The Canadian Arthritis Network, National Centres of Excellence, \$19,720.90, 2002-2003

Johnson JA, King GJW, Chess DG, Giffin JR, Dunning CE- Development of Computer Assisted Methods for Shoulder, Elbow and Knee Reconstruction. Natural Sciences and Engineering Research Council of Canada, Canadian Health Research Partnership (CHRP), \$347,966/ 3years, 2003-2006.

Funding Agency: Workers Safety and Insurance Board

Amount: \$24,750

Funding Period: 2003

Department where funds are held: Hand and Upper Limb Centre, London, ON

Project Title: Systematic review of management of work-related upper extremity disorders

Investigators: MacDermid JC, Roth JH

Dunning CE, Wood JT: Equipment for Research in Orthopaedic Implant Fixation. Academic Development Fund, University of Western Ontario; \$87,000

“Kinematics and Stabilizers of the Distal Radioulnar Joint”

Canadian Institutes of Health Research/Institute of Musculoskeletal Health and Arthritis/Canadian Arthritis Society

King GJW, Johnson JA

\$189,860

Agency: London Health Sciences Centre Internal Research Fund

Topic: Sentinel node biopsy in melanoma

Investigators: CLF Temple, CG Scilley, DT Shum, AG Mattar, PL Zabel, RC Lohmann, CJ Engel

Agency: London Regional Cancer Centre Pooled Biometry Fund

Topic: Sentinel node biopsy in melanoma

Investigators: CLF Temple, CG Scilley, DT Shum, AG Mattar, PL Zabel, RC Lohmann, CJ Engel

1. Faber KJ. Outstanding Faculty teacher in the Clinical Clerkship for the Faculty of Surgery-2003
2. Tse R. Best Basic Science Podium Presentation in Resident's Corner-Canadian Society of Plastic Surgery Annual Meeting Whistler BC.
3. Nguyen D. Class of Meds's 49 award for excellence in teaching by residents for 2001-2002.
4. Nguyen D. Department of surgery award for best resident teacher for 2002-2003.
5. Faber KJ. Undergraduate Teacher of the Year for the Faculty of Surgery- Meds 2003
6. Gan BSG. Quality of life research award. Molecular mechanisms of Dupuytren's Contracture. Category-Skin pain disability and chronic diseases. Rease Institute of Musculoskeletal Health and Arthritis
7. Chinchalkar SJ. Paul Brand Award of Excellence in Hand Therapy. American Society of Hand Therapists. Hollywood Ca. Oct, 2003
8. Canadian Society of Plastic Surgery Best Research Poster. D.Q.T. Nguyen, Douglas C. Ross, T.W. Matthews, J. Yoo, K.J. Faber. Shoulder Morbidity Following Free Osteocutaneous Scapular Flap Harvest: a Pilot Study. June 25, 2003.
9. Faber KJ. Excellence in Education – Clerkship Faculty Teaching Award. Department of Surgery, University of Western Ontario, November 2003.
10. Faber KJ. BCOE Certificate of Appreciation – recognition for commitment to excellence in Undergraduate medical education, Yr I medicine UWO, November 2003.
11. Macdermid JC. 2003 Best Scientific Paper at the American Society of Hand Therapists Annual General Meeting: The Prevalence of Wrist Ganglia in an Asymptomatic Population: Magnetic Resonance Imaging Evaluation. Hollywood, CA
12. Gofton W, Gordon K, Dunning CE, Johnson JA, King GJW. Kinematics & Stability of the Distal Radioulnar Joint. Sandy Kirkley Award for Best Clinical Paper. 31<sup>st</sup> Clinical Seminar in Orthopaedic Surgery, University of Western Ontario