Research Summary Hand and Upper Limb Centre January- December 2002

Publications
10) 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. CORR 2002

Published Abstracts

Scientific Presentations
8) Dunning CE, Gordon KD, King GJW, Johnson JA. Development of a Motion-Controlled Elbow Simulator. Combined Annual Meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association,


29) Reid G, Burton J, Bruce AW, Howard J, Gan BS: The urogenital flora in pre- and post-menopausal women, and susceptibility to UTI. Medical Biofilms, Tokyo, Japan, Mar 2002.


Invited talks

1) Dunning CE: Development of a Motion-Controlled Testing Apparatus and Kinematic Techniques to Simulate and Describe Elbow Motion, Invited Lecture, Dalhousie University, Halifax, Nova Scotia, April 17, 2002.


6) King GJW. Results of Total Elbow Replacements in Osteo-Arthritis, Wrightington International Arthroplasty Symposium


16) Faber KJ. An Update on Wrist Trauma. Southwestern Ontario Physiotherapy Annual Meeting. 22 April, 2002. London Ontario, Canada
22) Drosdowech D. Rotator Cuff Repair: Biomechanical analysis of Fixation techniques Florida West Arthroscopy Association, Largo, Florida, October 20, 2002
23) Gan BS. 11th ASEAN Congress of Plastic Surgery, Singapore, Jan 2002. Immediate autologous breast reconstruction; Is it worthwhile?

Awards
1) Almalki Y. King GJW. Keith and Greta Thompson Research Award for SRTP Students
3) Campbell L, King GJW. Optimizing Metacarpal Component Configuration for the Development of a Prototype Total Wrist Arthroplasty, 14th Annual Sister Mary Doyle Day Lawson Health Research Institute St. Joseph’s Health Care Centre.
6) Faber KJ. Dr. H. S. Cameron Award. Education excellence. Division of Orthopaedics, Dept of Surgery, University of Western Ontario. 19 September 2002.
8) Faber KJ. University Student Council Excellence in Teaching Award, University of Western Ontario, December 2002.

Grants

Agency-LHRI Internal Research Fund
Investigators- Howard J, Gan BS
Title-Use of innovative polyvinyl alcohol (PVA) control release devices to deliver novel anti-staphylococcal agents in vivo: A new way of combating surgical infections caused by Staphylococcus Aureus
Period- 2002
Amount-$12000

Agency-LHRI Internal Research Fund
Investigators- King GJW, Johnson JA
Title-The influence of stem geometry on the initial stability of radial head implants
Period- 2002
Amount-$14000

Agency-Physiotherapy Foundation
Investigators- Brooks D, MacDermid JC, Switzer-McIntyre S, Solway S.
Title-The quality of clinical practice guidelines in physical therapy
Period- 2002-2003
Amount-$18,200

Agency- Canadian Foundation for Innovation and Ontario Innovation Trust
Investigators- MacDermid JC
Title- Establishing a Upper Extremity Clinical Research Lab for Partnerships in Surgery, Rehabilitation and Occupational Medicine
Period- 2002
Amount-$351,619.00

Agency- Canadian Orthopedic Foundation- ROBERT SALTER AWARD
Investigators- Ken Faber
Title- Analysis of beta-catenin expression in Frozen Shoulder syndrome
Period- 2002
Amount-$10,000

Agency- PSI Foundation
Investigators- MacDermid JC, Faber K
Title- Fixation in intra-articular distal radius fractures-a randomized trial
Period- 2002-2004
Amount-$86,700.00

Agency- The Canadian Arthritis Network, National Centres of Excellence
Investigators- Chess DG, Johnson JA, King GJW
Title- Development of an Intra-operative Measurement System for Total Knee Arthroplasty
Period- 2002-2003
Amount-$16,718.40

Agency- The Canadian Arthritis Network, National Centres of Excellence
Investigators- Chess DG, Johnson JA, King GJW
Title- Computer Assisted Joint Replacement Surgery
Period- 2002-2003
Amount-$19,720.90

Agency- Lawson Health Research Institute Internal Research Fund
Investigators- Chess DG, Johnson JA, King GJW
Title- Influence of Stem Geometry on the Initial Stability of Radial Head Implants
Period- 2002-2003
Amount-$14,000.00

Agency- Lawson Health Research Institute Internal Research Fund
Investigators- Dunning CE
Title- Simulating Motion in the Human Wrist.
Period- 2002-2005
Amount-$88,000 ($22,000 per year x 4 years)
Agency- Workers Safety and Insurance Board
Investigators- MacDermid JC, Faber K, Drosdowech D.
Title- The impact of waiting for rotator cuff surgery.
Period- 2001-2003
Amount-$137,864.50.

Agency- Centrepulse Orthopaedics Incorporated
Investigators- Drosdowech D.
Title- Clinical Outcome of Anatomical total shoulder arthroplasty for shoulder arthritis.
Period- 2002-2003
Amount-$10,000.

Agency -Wright Medical
Investigators- Drosdowech D.
Title- Biomechanical analysis of a modified glenoid keel design
Period- 2002-2003
Amount$7800.00

Agency - Hip Hip Hooray Foundation.
Investigators- Drosdowech D.
Title- Development of surgical skills laboratory, LHRI
Period- 2002-2003
Amount$2000

Agency Lawson Health Research Institute Internal Research Fund.
Investigators- Howard JC, Gan BS
Title- Selective amplification of Dupuytren's disease genes using Suppression PCR Subtractive Hybridization
Period- 2002-2004
Amount-$13000

Agency- Ontario Ministry of health and Long term care-Career Scientist Award
Investigators- MacDermid JC
Period- 2002-2204
Amount-$100,000.