



HULC Clinical Lab Update

Tuesday, April 24, 2007

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Links to Funding Sites

<http://www.cihr-irsc.gc.ca/e/780.html>
<http://www.psifoundation.org/>

Link to Associations

<http://www.ases-assn.org/>
<http://www.aaos.org/>

Sites of interest

<http://www.coa-aco.org>

Meeting coming Up in Halifax-COA

FYI....

Current foci in lab

1. Getting JOINTS mini-open versus arthroscopic trial running
2. Closing waiting for rotator cuff; writing grant reports/papers
3. Completion of follow-ups on the WSIB study – RTW
4. Getting summer students trained/operational; funding for graduate students
5. Finishing off my teaching to start sabbatical July 1 (1 year no teaching or committee work at Mac); focus will be finishing off some studies near completion

----- Later, joy-----

Recent Publications/Presentations



PEER-REVIEWED PUBLICATIONS

Trainees underlined (*funding agency for specific publications are noted*)

105. Rowland A, Faber KJ, MacDermid, GJ King: Lateral Ulnohumeral Joint Space Widening is Not Diagnostic of Radial Head Arthroplasty Overstuffing. In press Journal of Hand Surgery, 2007.

104. Bicknell R, MacDermid JC, Roth JH: Thumb Metacarpophalangeal Joint

CIHR News

Applicants to Operating Grants, New Investigators, and Doctoral Research Awards Programs

(2007-04-17) Applicants to the Operating Grants, New Investigators and Doctoral Research Awards programs will be required to use ResearchNet to electronically submit their applications. The system will be available for applicants to begin completing their information by the end of June 2007 for the Fall 2007 competitions. Note that although some data from previous competitions will be available on ResearchNet, applicants who start their new applications on the existing CIHR Web Forms will not be able to transfer this information to ResearchNet.

Contact Me

Fusion: An Operative Description and Retrospective Review. In Press Journal of Hand Surgery, 2007

103. Grewal R, MacDermid JC, Chesworth B, Pope J: Radiographic Variables and Their Influence On Pain And Disability One Year Following Extra-Articular Distal Radius Fractures: Age Related Trends. In press Hand, 2007.
102. MacDermid JC, Roth JH, McMurtry R: Predictors of time lost from work following a distal radius fracture. Journal of Occupational Rehabilitation, 2007.
101. MacDermid JC, Geldart S, Williams R, Lin CY, Westmoreland M, Shannon H: Workers define the health effects of Work Organization, identify needed changes and are motivated to share responsibility: A qualitative study. (*funded by CIHR*) In Press Work, 2007.
100. 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.
99. Hewins EA, Gofton WT, Dubberly J, MacDermid JC, Faber KJ, King GJ: Plate fixation of olecranon osteotomies. Journal of Orthopaedic Trauma 21(1):58-62, 2007
98. Rompe JD, Nafe B, Theis C, Overend TJ, MacDermid JC: Validation of a patient-rated forearm evaluation questionnaire for lateral elbow tendinosis (tennis elbow). Journal of Hand Therapy, 2007.

PEER-REVIEWED PRESENTATIONS: (presenter underlined; *trainees in italics*)

167. MacDermid JC, Goring, L, Kasabski J, Rowling N, Smith S, Yates L: Measurement of cold intolerance in nerve pathology: reliability and relation to symptoms. International Federation for Societies for Hand Therapy. Sydney, Australia. March 15, 2007.
166. MacDermid JC, Humphrey R, Ross DC, Richards RS: Validation of Scales Used to Assess outcome of CMC Arthroplasty. International Federation for Societies for Surgery of the Hand. Sydney, Australia. March 15, 2007.
165. Shore B, Mozzon JB, MacDermid JC, Faber K, King GJ. Outcome of metal radial head arthroplasty in post-traumatic elbow reconstruction. American Academy of Orthopaedic Surgery Annual Meeting San Diego, CA. February 14-18, 2007.
164. Nguyen D, Ferreira, Brownhill J, King GJK, Johnson J, Faber K, Drosdowech DS, MacDermid JC. Improved accuracy of computer

assisted glenoid implantation: A randomized controlled trial. American Academy of Orthopaedic Surgery Annual Meeting San Diego, CA. February 14-18, 2007.

163. 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 .
162. 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, 2Oct 13-15: p-43, 2006 .
161. Shore B, MacDermid JC, Faber KJ, King GJ: Outcome of metal radial head arthroplasty in elbow reconstruction. 61st Annual Meeting of the American Society for Surgery of the Hand. Washington, D.C

NEW



Graduate students

- First shoulder fellow will be starting soon; We have had several meetings to help define potential joint research project across HULC and Fowler-Kennedy; Dominique be eligible to apply for CIHR fellowship – pursuing that prior to her start (August 07)
- Al K. from UBC will be starting an 8 week PhD research practicum with me (CIHR training program); the purpose of his visit is to complete the course in Knowledge exchange and Transfer that I teach at MAC, complete a research paper on outcome measures. He hopes to visit HULC during his stay
- Robyn T. is funded for the summer by CIHR studentship to work on validation of pain measures and firefighter research
- Waiting for approval for summer student/ data entry

New PhD students are now applying at UWO and McMaster

- Not taking new students at MAC due to my sabbatical
- Not taking Epi students from Western as we have to fund
- 1 new PhD students has applied to Western requested me as supervisor (anyone wishing to be on committees let me know)
- Western has started a new master program in manipulative therapy and has asked if we would supervise some of the student research projects

- 3 clinical masters student groups are completing systematic reviews 1. How outcome measures in ulnar nerve research fit within ICF framework 2. Diagnostic tests for wrist instability and 3. Psychometric properties of the neck disability index

New SRTP student

Adam has a background in engineering and has done qualitative research before (a rare combination); his SRTP project is qualitative research on the decision-making processes in complex injured workers (WSIB); he is now doing a project with Jim Johnson and hopes to do another side project in lab while here

GRADUATE STUDENT PROGRESS

Listed degree, granting university, *thesis title*, Student name (*Funding*) (Current position).

PhD, Health Science and Rehabilitation, University of Western Ontario

Supervisor: Joy MacDermid

Committee: Warren Neilson, Bob Teasall

Thesis: *Development of a predictive tool for chronic pain in musculoskeletal disorders of the neck*- D Walton. (*Funded by CIHR Fellowship*);

- Has completed an analysis course and conducted a meta-analysis of risk factors in neck pain ? publication
- Has started a Pain Interest Group

PhD, Health Science and Rehabilitation, University of Western Ontario

Supervisor: Joy MacDermid

Committee: Bing Gan, Pam Houghton

Thesis: *use of laser in bone healing (DRF)*

- working on proposal

Recent Grants Awarded



CIHR IRSC

40. Funding Agency: Canadian Institute of Health Research (New Emerging Team Grant)
Amount: \$100,000
Funding Period: 2007-2008
Department where funds are held: McMaster University, Hamilton
Project Title: TEAM-WORK: Targeted Evaluation and Management of Work, Orthopedics, Rehabilitation & Knowledge-translation
PI: MacDermid JC, Beaton D

* this grant provides funds to develop 2 pilot projects and to develop future collaborations Projects: 1. linkages of wsib clinic databases across multiple sites and 2) firefighters screening for

MSK problems supported by City of Hamilton; it also provides for some cross-site graduate student research and purposes is to develop a research team on the above topic- anyone interested in more involvement welcome to participate or give ideas...

39. Funding Agency: UWO Department of Surgery Research Fund Competition
Amount: \$19,723
Funding Period: 2007-2009
Department where funds are held: University of Western Ontario, London
Project Title: Instrument development for patient satisfaction with breast reconstruction
PI: Temple C
Co-investigators: Ross D, MacDermid JC


Recruitment



1. trying to sort out final issues in Mini_Open. Because we are an expertise based randomization site this has created some procedural issues. We have resolved these by having Dr McMurry run enrollment through his clinic and then randomized assignment takes place once they are surgical candidates and have consented to study. Note although this study has received almost 1 million dollars in funding; we do not get a cent except for the patients we enroll. The methods centre at Fowler-Kennedy is handling data management and will only pay out for completed forms.

We have doing well on recruitment into the revised WSIB database and a WSIB funded WSIB project. Thanks to everyone for cooperation. Kate and Chris are both spending considerable time on follow-ups. Thanks!

Expect to see our WSIB computer terminal becoming operational next.



The goal is that eventually we will be able to produce quick summaries of what the scores are, and mean, that will be clinically useful but have some analyses to do before we can develop those. The computer was paid for by Dorcas's WSIB grant and this system is what is used at Fowler Kennedy for everything. It is my hope that people will want to integrate more extensively at HULC once they become more accustomed to what it does and could do for us. I hope to transition lab in the summer/fall to more computerized data collection to reduce the burden of data entry.