Department of Physical Medicine & Rehabilitation
College of Medicine
University of Saskatchewan

Research Report
Books, Chapters in Books, Expository and Review Articles

2012-2013

2011-2012

Papers accepted or published (PM&R faculty, staff, residents and affiliates underlined)

2016-2017


2015-2016


Papers 2013-2014


Papers 2012-2013


**Papers 2011-2012**


**Papers 2010-2011**


**Earlier papers**


**Abstracts**

**2016-2017**


**2015-2016**


Abstracts 2014-2015


Abstracts 2013-2014


Knox K, Nickel D. Health-related quality of life amongst persons with multiple sclerosis attending a rehabilitation clinic in Saskatchewan. Poster presented at the
19th Annual Rehabilitation in Multiple Sclerosis (RIMS) conference, Brighton UK, June 2014.


Abstracts 2012-2013


Gitlin J, Szkup P, Otani R, Wiebe S, Nickel D, Bryce R, Knox K. Pilot study examining internal jugular vein stenosis in MS, CIS, and health controls with a blinded MRV protocol. Presentation at the 76th Annual Scientific Meeting of the Canadian Association of Radiologists, Montreal, April 2013.
Knox K, Gitlin J, Harvey S, Haywood C, Wiebe S, Voll C, Szkup P, Otani R. Chronic cerebrospinal venous insufficiency in MS/CIS is not consistently observed with a blinded ultrasound protocol. Poster (# 1341) at the 28th congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Lyon, France, October 2012.


Smyth S, Linassi G, Meili R. Aboriginal health curriculum development at the University of Saskatchewan. Poster presented at the Canadian Conference on Medical Education, Quebec City, April 2013.

Abstracts 2011-2012


Linassi AG. Medical Student Knowledge of Botulinum Chemodenervation, Pre-test and post test results. Invited paper presented at the Canadian Botulinum Toxin Conference (CBTC), Vancouver, February 2012.


Rajasekaran S, Fink M. Recording and archiving academic sessions online in a physiatry postgraduate training program. Poster presented at the 60th CAPM&R Annual Scientific Meeting, Toronto, June 2012.

Abstracts 2010-2011

Flegel M, Knox K, Nickel D, Beyer K, Brawley L. Gait variability in minimally disabling MS using GAITRite. Poster (S67) at the 25th Consortium of Multiple Sclerosis Centers Annual Meeting, Montreal, June 2011.


Papers submitted or in preparation


Linassi G. Corney P. Assessment of workplace burnout among healthcare providers in a rehabilitation unit. Canadian Journal of Disability Studies. [under review]

Awarded funding

2016-2017

$70,000 – Rick Hansen Spinal Cord Injury Registry (Saskatoon). Rick Hansen Institute; 2011-2018. This amount is to extend the existing grant (see below) to March 2018. New grant total: $439,500. Site Principal Investigator: Daryl Fourney. Sub-Investigator: Gary Linassi. [peer reviewed]

Collaborators: Sarah Donkers, Rob Loewen, Dalene Newton, Darren Nickel. [peer reviewed]

2015-2016


$40,000 – Multiple sclerosis epidemiology and health outcomes in Saskatchewan. Saskatoon Health Region/SK Ministry of Health; 2015-2016. Principal Investigator: Katherine Knox.

$19,257 – Multiple sclerosis epidemiology and health outcomes in Saskatchewan. College of Medicine, University of Saskatchewan; 2015-2016. Principal Investigator: Katherine Knox.
**2014-2015**


$30,000 – Rick Hansen Spinal Cord Injury Registry (Saskatoon). Rick Hansen Institute; 2009-2015. This amount is to extend the existing grant (see below) to April 2015. Site Principal Investigator: Daryl Fourney. Sub-Investigator: Gary Linassi. [peer reviewed]

**2013-2014**


$27,000 – EMG funding. $10,000 UofS College of Medicine; $17,000 Saskatoon City Hospital Foundation; 2014. While the main intent is to use the equipment clinically, it will also be used to educate residents and clinicians and will be available for research purposes. Principal applicant: Gary Linassi.


**Funding 2012-2013**

- **$20,000** – Canadian Multiple Sclerosis Monitoring System. SK Ministry of Health; 2013-2014. Principal Investigator: Katherine Knox.

- **$5,000** – Provost Department Head Research Support funding. University of Saskatchewan; 2013. Principal Investigator: Gary Linassi.

- **$4,252** – Dean’s Summer Project Grant: Health-related quality of life amongst persons with MS or spinal cord injury. College of Medicine, University of Saskatchewan; 2013. Co-supervisors: Katherine Knox & Gary Linassi. Student researcher: Sabrina Fee.

- **$31,540** – Saskatoon MS Clinic pilot of the Canadian Multiple Sclerosis Monitoring System. CIHI; 2013. Principal Investigator: Katherine Knox.

**Funding 2011-2012**

- **$30,000** – Masters student funding associated with SHRF project, Health care services and needs in spinal cord injury after acute care. College of Medicine, UofS; 2012-2014. Principal Investigator: Gary Linassi. Student: Ira-Joy Macaspac.

- **$4,252** – Dean’s Summer Project Grant: Time based effects of botulinum toxin. College of Medicine, University of Saskatchewan; 2012. Primary Supervisor: Milo Fink. Student researcher: Larry Yang.

- **$4,252** – Dean’s Summer Project Grant: Falls in persons with amputations in the community. College of Medicine, University of Saskatchewan; 2012. Primary Supervisor: Gary Linassi. Student researcher: Tanner Tetlow.

- **$4,252** – Dean’s Summer Project Grant: Are rehabilitation patients active enough? Why or why not? College of Medicine, University of Saskatchewan; 2012. Primary Supervisor: Katherine Knox. Student researcher: Melissa Andersen.

- **$156,450** – Health care services and needs in spinal cord injury after acute care. SHRF; 2012-2014. Principal Investigator: Gary Linassi. Co-Investigators: Katherine Knox & seven others. [peer reviewed]

$55,000 – Comparison of localization techniques for botulinum injection: electrical vs. ultrasound. College of Medicine and UofS Provost new investigator grants; 2012-2014. Principal Investigator: Milo Fink.

Funding 2010-2011


$4,252 – Dean’s Summer Project Grant: “Experiences of physiatrists and therapists in using functional electrical stimulation bicycles in stroke rehabilitation patients.” College of Medicine, University of Saskatchewan; 2011. Primary Supervisor: Lila Rudachyk. Student researcher: Alanna Surkan.

Earlier funding

Funding Applications
2015-2016

Funding applications 2014-2015

$40,000 requested (unfunded) – Epidural spinal cord stimulation for enhancing leg function in multiple sclerosis. Saskatchewan Health Research Foundation; 2014.


Funding applications 2013-2014
$22,798 requested (unfunded) – Can training influence physicians’ confidence to advocate for the lifestyle behaviour of activity? Royal College/Associated Medical Services CanMEDS Research and Development Grant; 2014. Principal Investigator: Katherine Knox. Co-Investigators: Darren Nickel and four others.


Funding applications 2012-2013

Funding applications 2010-2011
$5,000,000 requested (unfunded: requested revisions not submitted) – Prospective randomized controlled trial of venoplasty in MS. Saskatchewan Health Research Foundation; 2011. Principal Investigator: Katherine Knox. Regina Site PI: David Kopriva. Co-Investigators: Michael Kelly, Peter Szkup, Christopher Voll, Laura Klassen, David Li, Lindsay Machan, Hyun Lim.

Research Projects
Current


A Multinational, Multicenter, Randomized, Double-blind, Parallel-group, Placebo-Controlled Study Followed by an Active Treatment Period, to Evaluate the Efficacy, Safety and Tolerability of Two Oral Doses of Laquinimod (0.6 mg/d or 1.2 mg/d) in Subjects With Relapsing Remitting Multiple Sclerosis (RRMS). Site Principal Investigator: Chris Voll. Sub-Investigators: Katherine Knox, Carol Boyle, Wendi Firzpatrick, Tasha Ellchuk, Walter J. Hader, Sheila Savedia-Cayabyab, Peter Szkup. Total $ not known until end of study. Teva Pharmaceuticals. 2013-2018.
Completed

Health care services and needs in spinal cord injury after acute care. Principal Investigator: Gary Linassi. $156,450; Saskatchewan Health Research Foundation. 2012-2014.


Comparison of localization techniques for botulinum injection: electrical vs. ultrasound. Principal Investigator: Milo Fink. $55,000; College of Medicine and UofS Provost new investigator grants. 2012-2014.

Investigation into venous abnormalities in MS. Principal Investigators: Katherine Knox (SK) and Tony Traboulsee (BC). SK funding: $317,799; Saskatoon City Hospital Foundation. $34,000; MS Society of Canada. 2010-2013.


Exploration of the proposed association between multiple sclerosis (MS) and chronic cerebrospinal venous insufficiency (CCSVI) at the earliest onset of MS. Principal Investigator: Katherine Knox. $46,306; Saskatoon City Hospital Foundation. 2010-2013.

Epidemiology of anti-JCV antibody prevalence in multiple sclerosis patients: JEMS study. Site Principal Investigator: Christopher Voll (Katherine Knox Sub-investigator). $37,143; Biogen Idec. 2011-2012.
Rehabilitation environmental scan (EScan). Site Principal Investigator: Gary Linassi. $2,000; Rick Hansen Institute. 2011-2012

Access to care and timing (ACT) project – level 1 (rehabilitation). Site Principal Investigator: Gary Linassi. $400; Rick Hansen Institute. 2011.

Canadian Collaborative Project on Genetic Susceptibility to Multiple Sclerosis, Phase 5. Site Primary Investigator: Katherine Knox. Site allocation for year 2: $60,101; MS Society of Canada. 2007-2010.

Residents’ research

Ongoing

Andersen M. Rehabilitation team models of care. Resident research project. Faculty supervisor: Katherine Knox (PM&R).

Embree C. Rehab outcomes in morbidly obese patients. Resident research project. Faculty supervisor: Gary Linassi (PM&R).

Kushneriuk, B. Experiences of SK residents attending ALS clinics out of province. Resident research project. Faculty supervisors: Kerri Schellenberg (Neuro) & Gary Linassi (PM&R).

Rassem M. Sexual health counselling in spinal cord injured patients: Health care professionals’ perspectives. Resident research project. Faculty supervisor: Jacqueline Kraushaar (PM&R).

Stuart-Kobitz K. MSers’ perspectives on walking. Resident research project. Faculty supervisor: Katherine Knox (PM&R).

Wang Y. Intrathecal baclofen in multiple sclerosis. Resident research project. Faculty supervisor: Katherine Knox (PM&R).

Completed


Aly A. Team conference feedback. Resident quality assurance project. Faculty supervisor: Katherine Knox (PM&R) and Lila Rudachyk (PM&R). 2012.

Embree C. Satisfaction with access to appointments at the MS Clinic. Resident quality assurance project. Faculty supervisor: Katherine Knox (PM&R). 2014
Khalil W. Increasing resident feedback during academic half days. Resident quality assurance project. Faculty supervisor: Gary Linassi (PM&R). 2015.


Kleisinger A. What is the range of blood pressure in hypertensive patients who are admitted for stroke rehab? Resident quality assurance project. Faculty supervisor: Milo Fink (PM&R).

Kraushaar J. Comparison of ankle foot orthoses in an ambulatory MS population. Resident research project. Faculty supervisor: Katherine Knox (PM&R). 2012

Kraushaar J. Therapy time for rehabilitation inpatients. Resident quality assurance project. Faculty supervisor: Katherine Knox (PM&R). 2012

Pierce J. Assessment of the management practices for the prevention of venous thromboembolism among the non-ambulatory ischemic stroke patients on the rehabilitation ward at Saskatoon City Hospital. Resident quality assurance project. Faculty supervisor: Katherine Knox (PM&R). 2014.


Rassem M. Practice audit of time to goal achievement with botulinum toxin. Resident quality assurance project. Faculty supervisor: Milo Fink (PM&R).

Wunder S. Primary care confidence with spinal cord injury care in the community. Resident research project. Faculty supervisors: Jacqueline Kraushaar & Gary Linassi (PM&R). 2014.


Zdravkovic T. Evaluation of secondary stroke prevention strategies on an inpatient rehabilitation unit, Saskatoon, Canada. Resident quality assurance project. Faculty supervisors: Katherine Knox (PM&R) and Lila Rudachyk (PM&R). 2011.