

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

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**Research Report**

### **Books, Chapters in Books, Expository and Review Articles**

#### *2012-2013*

Noonan VK, Hitzig SL, Linassi G, Craven BC et al. Community participation. In Craven C, et al., eds. Rehabilitation Environmental Scan Atlas: Capturing Capacity in Canadian Spinal SCI Rehabilitation. Vancouver, BC: Rick Hansen Institute. 2012. pp.185-8.

#### *2011-2012*

Spink KS, Nickel D. Attribution theory. In: Gellman M, Turner J, eds. Encyclopedia of Behavioral Medicine. New York, NY: Springer. 2012. pp.160-2.

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

#### *2016-2017*

Ahn H, Lewis R, Santos A, Cheng CL, Noonan VK, Dvorak MF, Singh A, Linassi AG, Christie S, Goytan M, Atkins D. Forecasting financial resources for future traumatic spinal cord injury care using simulation modeling. Journal of Neurotrauma. 2017 Jun 8. Online ahead of print. DOI: 10.1089/neu.2016.4936

Cheng CL, Plashkes T, Shen T, Fallah N, Humphreys S, O'Connell C, Linassi AG, Ho C, Short C, Ethans K, Charbonneau R, Paquet J, Noonan VK. Does specialized inpatient rehabilitation affect whether or not people with traumatic spinal cord injury return home? Journal of Neurotrauma. 2017 May 24. DOI: 10.1089/neu.2016.4930. [Epub ahead of print]

Martin N, Traboulee AL, Machan L, Klass D, Ellchuk T, Zhao Y, Knox KB, Kopriva D, Lala S, Nickel D, Otani R, Rauscher A, Perera WR, Sadovnick AD, Szkup P, Li D. Prevalence of extra-cranial venous narrowing on Magnetic Resonance Venography is similar in people with MS, their siblings, and unrelated healthy controls: a blinded, case-control study. Canadian Association of Radiologists Journal. 2017 May;68(2):202-209. <http://dx.doi.org/10.1016/j.carj.2016.07.002>

Noonan VK, Chan E, Santos A, Soril L, Lewis R, Singh A, Cheng CL, O'Connell C, Truchon C, Paquet J, Christie S, Ethans K, Tsai E, Ford MH, Drew B, Linassi G, Bailey C, Fehlings MG. Traumatic Spinal Cord Injury Care in Canada: A Survey of Canadian Centres. J Neurotrauma. 2017 Apr 1. doi: 10.1089/neu.2016.4928. [Epub ahead of print]

#### *2015-2016*

Evaniew N, Noonan V, Fallah N, Kwon BK, Ahn H, Bailey C, Christie S, Fournay DR, Hurlbert RJ, Linassi G, Fehlings M, Dvorak MF. RHSCIR Network. Methylprednisolone for the treatment of patients with acute spinal cord injuries: A propensity score-matched cohort study from a Canadian multicenter spinal cord registry. Journal of Neurotrauma. 2015;32(21):1674-83.

Hughes KE, Nickel D, Gurney-Dunlop T, Knox KB. Total knee arthroplasty in multiple sclerosis. *Arthroplasty Today*. 2016;2(3):117-122. DOI: <http://dx.doi.org/10.1016/j.artd.2015.12.002>

Rohatinsky N, Goodridge D, Rogers MR, Nickel D, Linassi AG. Shifting the balance: conceptualizing empowerment in individuals with spinal cord injury. *Health & Social Care in the Community*. 2017 Mar;25(2):769-779. DOI: 10.1111/hsc.12370. Epub 2016 Jul 11.

#### 2014-2015

Carlson RJ, Doucette JR, Knox K, Nazarali AJ. Pharmacogenomics of interferon- $\beta$  in multiple sclerosis: What has been accomplished and how can we ensure future progress? *Cytokine Growth Factor Reviews*. 2015;26(2):249-261.

Dvorak MF, Noonan VK, Fallah N, Fisher CG, Finkelstein J, Kwon BK, Rivers CS, Ahn H, Paquet J, Tsai EC, Townson A, Attabib J, Bailey CS, Christie SD, Drew B, Fournay DR, Fox R, Hurlbert RJ, Johnson MG, Linassi AG, Parent S, Fehlings M. The influence of time from injury to surgery on motor recovery and length of hospital stay in acute traumatic spinal cord injury: an observational Canadian cohort study. *Journal of Neurotrauma*. 2015;32(9):645-654.

Dvorak MF, Noonan VK, Fallah N, Fisher CG, Rivers CS, Ahn H, Tsai EC, Linassi AG, et al. Minimizing errors in acute traumatic spinal cord injury trials by acknowledging the heterogeneity of spinal cord anatomy and injury severity: an observational Canadian cohort analysis. *Journal of Neurotrauma*. 2014;31(18):1540-7.

Goodridge D, Rogers M, Klassen L, Jeffery B, Knox K, Rohatinsky N, Linassi G. Access to health and support services: perspectives of people living with a long-term traumatic spinal cord injury in rural and urban areas. *Disability and Rehabilitation*. 2015;37(16):1401-10. Pubmed PMID: 25332089.

Knox KB, Rohatinsky N, Rogers M, Goodridge D, Linassi G. Access to traumatic spinal cord injury care in Saskatchewan, Canada: A qualitative study on community healthcare provider perspectives. *Canadian Journal of Disability Studies*. 2014;3(3):83-103. doi: <http://dx.doi.org/10.15353/cjds.v3i3>

Ploughman M, Beaulieu S, Harris C, Hogan S, Manning O, Alderdice P, Fisk JD, Sadovnick D, O'Connor P, Morrow S, Metz LM, Smyth P, Mayo N, Marrie RA, Knox KB, Stefanelli M, Godwin M. The Canadian Survey of Health, Lifestyle and Aging with Multiple Sclerosis: methodology and initial results. *BMJ Open*. 2014;4:e005718.

Thorpe LU, Knox K, Jalbert R, Lim JHJ, Nickel D, Hader WJ. Predictors of institutionalization for people with multiple sclerosis. *Disability and Health Journal* 2015;8:271-277.

*Papers 2013-2014*

Aly AR, Rajasekaran S, Mohammad A, Beavis C, Obaid H. Feasibility of ultrasound-guided percutaneous tenotomy of the long head of the biceps tendon – a pilot cadaveric study. *Journal of Clinical Ultrasound*. Epub: 25 June 2014

Nickel D, Spink K, Andersen M, Knox K. Attributions and self-efficacy for physical activity in multiple sclerosis. *Psychology, Health & Medicine*. 2014;19(4):433-441. doi: 10.1080/13548506.2013.832783. Pubmed PMID: 24007261.

Traboulee AL, Knox KB, Machan L, Zhao Y, Yee I, Rauscher A, Klass D, Szkup P, Otani R, Kopriva D, Lala S, Li DK, Sadovnick D. Prevalence of extracranial venous narrowing on catheter venography in people with multiple sclerosis, their siblings, and unrelated healthy controls: a blinded, case-control study. *Lancet*. 2014;383(9912):138-145. doi: 10.1016/S0140-6736(13)61747-X. Pubmed PMID: 24119384.

*Papers 2012-2013*

Aly AR, Rajasekaran S, Obaid H, Bernacki B. Bilateral ulnar neuropathy at the elbow secondary to neuropathic arthropathy associated with syringomyelia. *PM&R*. 2013;5(6):533-8. doi: 10.1016/j.pmrj.2013.01.010. PubMed PMID: 23790822.

Aly AR, Rajasekaran S, Obaid H. MRI morphometric hip comparison analysis of anterior acetabular labral tears. *Skeletal Radiology*. 2013;42(9):1245-52. doi: 10.1007/s00256-013-1652-1. PubMed PMID: 23760571.

Noonan VK, Thorogood NP, Joshi PB, Fehlings MG, Craven BC, Linassi G, Fourney D, Kwon BK, Bailey CS, Tsai EC, Drew BM, Ahn H, Tsui D, Dvorak MF. Meeting the privacy requirements for the development of a multi-centre patient registry in Canada: The Rick Hansen Spinal Cord Injury Registry. *Healthcare Policy*. 2013;8(4):87-99. doi:10.12927/hcpol.2013.23397. Pubmed PMID: 23968640.

Peacock S, Konrad S, Watson E, Nickel D, Muhajarine N. Effectiveness of home visiting programs on child outcomes: a systematic review. *BMC Public Health*. 2013;13:17. doi: 10.1186/1471-2458-13-17. Pubmed PMID: 23302300.

Rajasekaran S, Beavis C, Aly AR, Leswick D. The utility of ultrasound in detecting anterior compartment thickness changes in chronic exertional compartment syndrome: a pilot study. *Clinical Journal of Sport Medicine*. 2013;23(4):305-11. doi: 10.1097/JSM.0b013e3182856046. PubMed PMID: 23558330.

*Papers 2011-2012*

Flegel M, Knox K, Nickel D. Step-length variability in minimally disabled women with multiple sclerosis or clinically isolated syndrome. *International Journal of MS Care*. 2012;14:26-30.

Knox KB, Kelly ME. Placebo power. *Techniques in Vascular and Interventional Radiology*. 2012;15(2):150-152.

Li Pi Shan RS, Chrusch WM, Linassi AG, Sankaran R, Munchinsky J. Reuse and refurbish: a cost savings delivery model for specialized seating. *Archives of Physical Medicine and Rehabilitation*. 2012;93:1286-1288.

*Papers 2010-2011*

Hernandez-Ronquillo L, Moien-Afshari F, Knox K, Britz J, Tellez-Zenteno JF. How to measure fatigue in epilepsy? The validation of three scales for clinical use. *Epilepsy Research*. 2011;95:119-129.

*Earlier papers*

Linassi AG, Hader W. Perceived effects of marijuana use by MS patients in Saskatchewan – a pilot study. *International Journal of MS Care*. 2003;5:139-150.

**Abstracts**

*2016-2017*

Embree C, Nickel D, Linassi G. Rehabilitation outcomes amongst people with high body mass: a retrospective case series. Poster presented at the 65<sup>th</sup> CAPM&R Annual Scientific Meeting, Niagara ON, May 2017.

Sarpong-Kumankomah S, Gailer J, Hunter G, Kelly M, Knox KB, Popescu BFG, Nichol H. Quantification of metalloproteins in blood serum of stroke patients and healthy controls. Poster presented at the 6<sup>th</sup> Georgian Bay International Conference on Bioinorganic Chemistry, Parry Sound ON, May 2017.

Wang Y, Vitali A, Waterhouse K, Nickel D, Knox K. Intrathecal baclofen in multiple sclerosis: case series follow up of functional status. Poster presented at the 65<sup>th</sup> CAPM&R Annual Scientific Meeting, Niagara ON, May 2017.

*2015-2016*

Andersen M, Nickel D, Knox K, McIntyre A, Mirkowski M, Bruno T, Bayley M, on behalf of the MSBEST Rehab Working Group. Team-based rehabilitation in multiple sclerosis: a systematic review of self-care outcomes. Poster presented at the 64<sup>th</sup> CAPM&R Annual Scientific Meeting, London ON, May 2016. *J Rehabil Med*. 2016.

Finkelstein J, Noonan VK, Fallah N, Ho C, Tsai EC, Rivers CS, Truchon C, Linassi AG, O'Connell C, Townson A, Ahn H, Drew B, Dvorak M, Fehlings MG, Schwartz C, Noreau L. Factors influencing health status and quality of life in Canadians living with a traumatic spinal cord. Presented at the 22<sup>nd</sup> Annual Conference of the International Society for Quality of Life Research, Vancouver BC, October 2015.

Khalil W, Linassi G, Wunder S. Increasing resident feedback during academic half-day. Poster presented at the 2015 International Conference on Residency Education, Vancouver, October 2015.

Knox K, Rogers M, Nickel D, Evans C. Physical activity sufficient for health benefits in adults approved for MS disease-modifying treatment. Poster presented at the 64<sup>th</sup> CAPM&R Annual Scientific Meeting, London ON, May 2016. J Rehabil Med. 2016.

Linassi G, Kennedy R, Kleisinger A. Atypical cause for neuropathic pain in a person with a chronic traumatic spinal cord injury. Poster presented at the 64th CAPM&R Annual Scientific Meeting, London ON, May 2016. Received an honourable mention in the case reports category. J Rehabil Med. 2016.

Linassi G, Rogers M, Nickel D. Self-management amongst persons living with spinal cord injury in the community: Preliminary results from an online survey. Poster presented at the 64th CAPM&R Annual Scientific Meeting, London ON, May 2016. J Rehabil Med. 2016.

MacDonald C, Benstead T, Briemberg H, Genge A, Grant I, Johnston W, Kalra S, Linassi G, Massie R, Melanson M, O'Connell C, Shoesmith C, Taylor S, Worley S, Zinman L, Korngut L, on behalf of the CNDR Investigator Network. Insights in ALS in Canada: Updates from the CNDR. Poster presented at the ALS Canada Research Forum, Toronto ON, April 2016.

Rudachyk L, Chrusch W, Linassi G. Medical student reflections highlight experiential learning about disability through Physical Medicine and Rehabilitation skills days: A qualitative analysis. Poster presented at the 64th CAPM&R Annual Scientific Meeting, London ON, May 2016. J Rehabil Med. 2016.

Rudachyk L, Nickel D, Trinder K, Chrusch W, Linassi G. Introducing Physical Medicine and Rehabilitation skills into a medical school curriculum: A quantitative analysis of hands-on experiential learning about disability. Poster presented at the 64th CAPM&R Annual Scientific Meeting, London ON, May 2016. Second place award for Education category. J Rehabil Med. 2016.

*Abstracts 2014-2015*

Brandt A, Nickel D, Knox K. Private and public engagement in a pilot community-based exercise program for persons with disabling neurological conditions. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):94.

Evans C, Nickel D, Britton K, Knox K. Utilization and switch patterns with dimethyl fumarate in a publicly-funded drug plan: the first eight months. Poster presented at the 2015 Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Indianapolis, May 2015. Int J MS Care. 2015;17(S1):48.

Hader W. The low adherence and disability outcomes of disease-modifying drugs in multiple sclerosis in Saskatchewan: a cohort study, 1997-2014. Poster presented at the 50<sup>th</sup> Annual Congress of the Canadian Neurological Sciences Federation, Toronto, June 2015.

Kim B, Nickel D, Knox K. Patients' pain management experience on a general inpatient rehabilitation unit. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):103.

Kleisinger A, Karreman E, Fink M. Are the Canadian Hypertension Education Program (CHEP) blood pressure treatment targets achieved during admission for stroke rehabilitation? Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):99.

Knox K, Linassi G, Rogers M, Goodridge D, Rohatinsky N. Rural vs. urban comparisons of provider perspectives of care for people with spinal cord injury. Poster presented at the 7<sup>th</sup> International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives (SHARP), Saskatoon, October 2014.

Linassi G, Rogers M, Nickel D. Re-hospitalization of adults with spinal cord injury living in the community: a retrospective cohort analysis. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):100.

Mah J, Nickel D, Rudachyk L. Attributions and self-efficacy for physical activity amongst persons post-stroke: a cross-sectional descriptive study. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):103.

Munce SEP, Wolfe D, Noonan VK, Hamilton L, Linassi G, Anzai K, Jaglal SB. Barriers and enablers for a self-management program for individuals with spinal cord injury: results from a national stakeholder advisory group. Poster presented at the 63<sup>rd</sup>

CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):102.

Pierce J, Nickel D, Knox K. Venous thromboembolism (VTE) prophylaxis prescription patterns for ischemic stroke patients on a rehabilitation ward. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):103.

Rassem M, Karreman E, Fink M. Time-based effects of onabotulinum toxin A injections. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):105.

Rohatinsky N, Goodridge D, Rogers M, Knox K, Linassi G. Accessing health services: a comparison between the views of healthcare providers and spinal cord injury clients. Poster presented at the 7<sup>th</sup> International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives (SHARP), Saskatoon, October 2014.

Wolfe D, Munce S, Noonan V, Hamilton L, Linassi G, Anzai K, Jaglal S. Development and initial validation of a pan-Canadian self-management program for spinal cord injury. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):102-3.

Wunder S, Kraushaar J, Khalil W, Linassi G, Nickel D. Primary care confidence with spinal cord injury care in the community. Poster presented at the 63<sup>rd</sup> CAPM&R Annual Scientific Meeting, Vancouver, May 2015. J Rehabil Med. 2016;48(1):106.

#### *Abstracts 2013-2014*

Hader WJ, Knox K. The prescription patterns and adherence of disease-modifying drugs for multiple sclerosis in Saskatchewan 1997-2013. Poster presented at the 49<sup>th</sup> Congress of the Canadian Neurological Sciences Federation, Banff, June 2014. Can J Neurol Sci. 2014;41(3):S1-S60.

Hurlbert RJ, Ahn H, Bailey C, Christie S, Kwon B, Linassi G, et al. Practice patterns of steroid administration for acute SCI: a Canadian perspective. Paper presented at the 15<sup>th</sup> World Federation of Neurological Societies World Congress of Neurosurgery, Seoul, September 2013.

Knox K, Nickel D, Fee S. Cross-sectional study of health-related quality of life from Saskatoon MS Clinic. Poster presented at the 2013 endMS Conference, Saint-Sauveur, December 2013.

Knox K, Nickel D. Health-related quality of life amongst persons with multiple sclerosis attending a rehabilitation clinic in Saskatchewan. Poster presented at the



19<sup>th</sup> Annual Rehabilitation in Multiple Sclerosis (RIMS) conference, Brighton UK, June 2014.

Linassi G, Rogers M, Noreau L, Nickel D, Knox K, Goodridge D, Klassen L, Jeffery B, Brandt A, Fournay D, Lim H. Needs and healthcare utilization in spinal cord injury: a comparison of Saskatchewan and national findings from the Spinal Cord Injury Community Survey. Poster presented at the 62<sup>nd</sup> CAPM&R Annual Scientific Meeting, St. John's, June 2014. J Rehabil Med. 2014;46(10):1062-3.

Linassi G, Rogers M, Nickel D, Goodridge D, Klassen L, Jeffery B, Knox K, Brandt A, Fournay D, Lim H, Noreau L. The importance of physical activity and peer relationships for those living with traumatic spinal cord injury in Saskatchewan. Poster presented at the 62<sup>nd</sup> CAPM&R Annual Scientific Meeting, St. John's, June 2014. J Rehabil Med. 2014;46(10):1062.

Sessford JD, Cary MA, Locke SR, Flora PK, Knox K, Brawley LR. A group mediated cognitive behavioural intervention to improve mobility in individuals with multiple sclerosis: A pilot feasibility study. Abstract accepted for presentation at the annual conference of the Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS), Kelowna, October 2013.

Sessford JD, Cary MA, Locke SR, Flora PK, Knox K, Brawley LR. Improving mobility in individuals with multiple sclerosis: a pilot feasibility study of a group mediated cognitive behavioural intervention. Poster presented at the 35<sup>th</sup> Annual Meeting & Scientific Sessions of the Society for Behavioral Medicine (SBM), Philadelphia, April 2014. Ann Behav Med. 2014;47(suppl.1):S38.

Thorpe L, Knox K, Jalbert R, Lim HJ, Nickel D, Hader WJ. Predictors of institutionalization for people with multiple sclerosis. Poster presented at the 5<sup>th</sup> Cooperative Meeting of the Consortium of Multiple Sclerosis Centers (CMSC) and Americas Committee for Treatment and research in Multiple Sclerosis (ACTRIMS), Dallas, May 2014. Int J MS Care. 2014;16(suppl.3):S35.

#### *Abstracts 2012-2013*

Andersen M, Nickel D, Spink KS, Knox K. Predicting confidence to be active with multiple sclerosis. Poster presented at the 61<sup>st</sup> CAPM&R Annual Scientific Meeting, Montreal, May-June 2013. J Rehabil Med. 2013;45(10):1095.

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 76<sup>th</sup> 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 28<sup>th</sup> congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Lyon, France, October 2012.

Linassi G, Corney P. Assessment of workplace burnout among healthcare providers in a rehabilitation unit. Poster presented at the 61<sup>st</sup> CAPM&R Annual Scientific Meeting, Montreal, May-June 2013. J Rehabil Med. 2013;45(10):1092.

Linassi G, Rogers M, Nickel D, Macaspac IJ, Knox K, Goodridge D, Klassen L, Jeffery B, Noreau L, Brandt A, Fournay D, Lim H. Examining unmet health and service needs of persons living with spinal cord injury after hospital discharge in Saskatchewan: Preliminary result of a mixed-methods study. Poster presented at the 61<sup>st</sup> CAPM&R Annual Scientific Meeting, Montreal, May-June 2013. J Rehabil Med. 2013;45(10):1092.

Linassi G, Tetlow T, Nickel D. Falls in persons with amputations in the community. Poster presented at the 61<sup>st</sup> CAPM&R Annual Scientific Meeting, Montreal, May-June 2013. J Rehabil Med. 2013;45(10):1092.

Noonan VK, Townson A, Fox R, Hurlbert RJ, Linassi AG, Ethans K, Tsui D, Burns AS, Craven BC, Wolfe D, Truchon C, Gagnon D, Charron J, Fehlings MG, Soril L, Santos A, Dvorak MF. Access to Care (ACT) for traumatic spinal cord injury: a survey of Canadian acute and rehabilitation centres. Poster presented at 5<sup>th</sup> National Spinal Cord Injury Conference, Toronto, October 2012. Spinal Cord Med 2012, 35(5): 426-7.

Selk BA, Linassi AG, Nickel D, Li Pi Shan RS. Prevalence of ulnar neuropathy at the elbow among weight lifters: a pilot study. Poster presented at the 61<sup>st</sup> CAPM&R Annual Scientific Meeting, Montreal, May-June 2013. J Rehabil Med. 2013;45(10):1088.

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.

Torres H, Wiggermann V, Li D, Machan L, Sadovnick D, Knox K, Traboulee A, Rauscher A. Deep gray matter R2\* in patients with multiple sclerosis, their healthy siblings and unrelated healthy controls. Poster presented at the 21<sup>st</sup> Annual Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine, Salt Lake City, April 2013.

*Abstracts 2011-2012*

Hader WJ. The disability outcomes of disease-modifying drugs in Multiple Sclerosis: 12 Year Study Update. Neurology Poster Presentation American Academy Neurology, New Orleans, April 2012.

Hader WJ. Family history of multiple sclerosis, Saskatoon, Saskatchewan. Neuroepidemiology 2012;38:196-202. Oral presentation at the World Federation of Neurology, Research Group on Neuroepidemiology, Louisiana State University, April 2012.

Knox K, Nickel D, Hader W, Klassen L, Boyle C, Szkup P. Observations of patients with multiple sclerosis reporting endovascular procedures. Poster at the 26<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting, San Diego, May-June 2012.

Kraushaar J, Knox K, Nickel D. Adherence with ankle foot orthosis use in an ambulatory MS population. Poster presented at the 60<sup>th</sup> CAPM&R Annual Scientific Meeting, Toronto, June 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.

Noreau L, Cobb J, Noonan V, Nickel D\*, The RHSCIR Team. The SCI Community Survey: A survey on needs, service utilization and outcomes of people with spinal cord injury. Invited group presentation at the Interdependence 2012 Global SCI Conference, Vancouver, May 2012.

Ploughman M, Fisk J, Godwin M, Stefanelli M, Harris C, Beaulie S, Marrie RA, Knox K. The Canadian Survey of Health, Lifestyle and Aging with Multiple Sclerosis: a preliminary report. Poster presented at the 27<sup>th</sup> congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Amsterdam, October 2011.

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

Smyth S., Arnault-Pelletier V., McKinney V, D'Eon M, Linassi G. Pihtokwâhiwewin: The development of an Aboriginal health and healing curriculum at the University of Saskatchewan. Paper presented at the 4<sup>th</sup> Leaders in Indigenous Medical Education (LIME) Connections conference, New Zealand, Nov 2011.

*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 25<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting, Montreal, June 2011.

Hader W. The disability outcomes of disease-modifying drugs in multiple sclerosis. Poster at the 25<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting, Montreal, June 2011.

Smyth S., Ward A, Maurice J, D'Eon M, Linassi G. Meyo Maskihki: Good medicine and promising practices in medical education. Paper presented at the 31<sup>st</sup> annual Society for Teaching and Learning in Higher Education conference, Saskatoon, June 2011.

Turpin K, Hader W, Knox K, Warren S, Warren K. The Illness Intrusiveness Rating Scale: new subscales, new insights, and possibly new approaches to MS Care. Poster at the 25<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting, Montreal, June 2011.

Zdravkovic T, Knox K, Rudachyk L, Nickel D, Lim H, Bhatt H. Evaluation of secondary stroke prevention strategies on an inpatient rehabilitation unit, Saskatoon, Canada. Poster presented at 59<sup>th</sup> CAPM&R Annual Scientific Meeting, Victoria BC, June 2011.

**Papers submitted or in preparation**

B. Catharine Craven, Dilinuer Kuerban, Farnoosh Farahani, Carly S. Rivers, Dany H. Gagnon, A. Gary Linassi, Laurent Bouyer, Karen Ethans, Chester Ho, Colleen O'Connell, Vanessa K. Noonan, the RHSCIR Network. It's not just about neurology: impairment, medical complexity, and functional ability predict rehabilitation length of stay in Canada. *Journal of Spinal Cord Medicine*. [under review]

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]

\$39,730 – Web-based physiotherapy in moderate to severe multiple sclerosis. Hermes Canada | MS Society Wellness Research Innovation Grant; 2016-2017. Principal Investigator: Katherine Knox. Co-Investigator: Lorna Paul (U. Glasgow).

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

*2015-2016*

\$13,332 – Understanding self-management in persons living with spinal cord injury: a descriptive, exploratory study. University of Saskatchewan, College of Medicine; 2016-2017. Principal Investigator: Gary Linassi. Co-Investigators: Donna Goodridge, Noelle Rohatinsky, Sarah Munce, Dalton Wolfe. Collaborator: Darren Nickel. [peer reviewed]

\$5,292 – Perspectives on walking amongst persons with multiple sclerosis. University of Saskatchewan, College of Medicine; 2016-2017. Principal Investigator: Katherine Knox. Co-Investigator: Lynne Clay. Collaborators: Kiersten Stuart-Kobitz, Darren Nickel. [peer reviewed]

\$24,983 – Clinical application of cross-education during stroke rehabilitation. Royal University Hospital Foundation; 2016-2018. Principal Investigator: John Farthing. Co-Investigators: Michael Kelly, Gary Linassi, Alison Oates, Marla Mickleborough. [peer reviewed]

\$73,621 – Investigating the effect of haptic input on walking balance following a spinal cord injury. Saskatchewan Health Research Foundation; 2016-2018. Principal Investigator: Alison Oates. Co-Investigators: Catherine Arnold, Joel Lanovaz, Gary Linassi, Renato Moraes, Stephan Milosavljevic. [peer reviewed]

\$96,578(USD) – Implementation considerations for a SCI caregiver support program. Craig H. Nielsen Foundation; 2016-2017. Principal Investigator: Susan Jaglal. Co-Investigators: Jill Cameron, Cathy Craven, Gary Linassi, Vanessa Noonan, Dalton Wolfe. [peer reviewed]

\$4,000 – Self-management in persons with spinal cord injury. Lawson Health Research Institute; 2015-2016. Site Investigator: Gary Linassi.

\$19,525 – Canadian Multiple Sclerosis Monitoring System. Saskatoon Health Region/SK Ministry of Health; 2015-2016. Principal Investigator: Katherine Knox.

\$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*

\$465,010 – SK MS Drugs Program. SK Ministry of Health; 2014-2017. Principal Investigator: Katherine Knox.

\$35,000 – Understanding self-management processes in persons living with spinal cord injury. College of Medicine, University of Saskatchewan; 2015-2017. Principal Investigator: Gary Linassi.

\$25,524 – Canadian Multiple Sclerosis Monitoring System. Saskatoon Health Region/SK Ministry of Health; 2014-2015. Principal Investigator: Katherine Knox.

\$299,331 (USD) – Theory-based self-management to improve bladder health in persons with spinal cord injury. Craig H. Neilsen Foundation (USA); 2014-2016. Principal Investigator: Dalton Wolfe. Co-Investigators: Sara Ahmed, Jane Hsieh, Robert Kent, Gary Linassi, James Milligan, Vanessa Noonan, Patrick Potter, Rick Riopelle, Anne Snowden, Blayne Welk. [peer reviewed]

\$206,840 – Development and initial validation of a pan-Canadian self-management program for SCI. Rick Hansen Institute; 2014-2016. Principal Investigator: Dalton Wolfe. Co-Investigators: Susan Jaglal, Sarah Munce, Lynsey Hamilton, Vanessa Noonan, Karen Anzai, Gary Linassi. [peer reviewed]

\$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*

\$25,000 – Pilot study of plasma metalloprotein biomarkers in multiple sclerosis, acute stroke, and healthy controls. Royal University Hospital Foundation; 2014-2016. Principal Investigator: Helen Nichol. Co-Investigators: Jurgen Gailer, Gary Hunter, Michael Kelly, Katherine Knox, Bogdan Popescu. [peer reviewed]

\$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.

\$146,413 – Walking balance control and falls in the community after incomplete spinal cord injury. Saskatchewan Health Research Foundation; 2014-2016. Principal Investigator: Kristin Musselman. Co-Investigators: Gary Linassi & four others. [peer reviewed]

\$7,000 – Canadian Neuromuscular Disease Registry. University of Calgary; 2014-2019. Site Principal Investigator: Walter Hader. Sub-investigator: 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]

\$140,256 – ASBI 603: A multicenter, randomized, double-blind, placebo-controlled, parallel-group study to evaluate the efficacy, safety, and pharmacokinetics of SUN13837 injection in adult subjects with acute spinal cord injury. Asubio Pharmaceuticals; 2012-2014. Site Principal Investigator: Daryl Fourney. Sub-Investigators: M. Kelly, A. Wu, Gary Linassi.

\$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*

\$37,143 – Epidemiology of Anti-JCV antibody prevalence in multiple sclerosis patients: JEMS. Biogen-Idec; 2011-2012. Principal Investigator: Christopher Voll. Sub-Investigators: Katherine Knox, Carol Boyle, Walter Hader, Wendi Fitzpatrick.

\$2,000 – Rehabilitation environmental scan (EScan). Rick Hansen Institute; 2011 – 2012. Site Principal Investigator: Gary Linassi.

\$1,000 – The Spinal Cord Injury Community Survey. Rick Hansen Institute; 2011. Site Investigator: Gary Linassi.

\$450 – Access to care and timing (ACT) project – level 1 (rehabilitation). Rick Hansen Institute; 2011. Site Principal Investigator: Gary Linassi.

\$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*

\$219,500 – Rick Hansen Spinal Cord Injury Registry (Saskatoon). Rick Hansen Institute; 2009-2014. Site Principal Investigator: Daryl Fourney. Sub-Investigator: Gary Linassi.

**Funding Applications**

*2015-2016*

\$54,701 requested (unfunded) – Augmenting self-management in spinal cord injury using an online bladder management program. Saskatchewan Health Research Foundation; 2015. Principal Investigator: Gary Linassi. Co-Investigators: Sarah Munce, Sara Ahmed, Paul Gustafson, Dalton Wolfe. Collaborator: Darren Nickel.

*Funding applications 2014-2015*

€50,000 requested (unfunded) – Physical activity and therapeutic exercise (PATE) in progressive multiple sclerosis. International Progressive MS Alliance; 2015. Principal Investigator: Lorna Paul (Glasgow). Co-Investigators: Katherine Knox, Michelle Ploughman, Leigh Hale, Helen Dawes, Lynne Clay, Ruth Ann Marrie, Nancy Mayo, Darren Nickel, John Fisk, Craig Moore, Louis Collins, Gareth Treharne, Colin Green, Lenore White, Caroline Sincock, Brian Paranaica.

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



Principal Investigators: Katherine Knox & Jonathan Norton. Co-Investigators: Valerie Verge, Gillian Muir, Ivar Mendez.

\$49,521 requested (unfunded) – Piloting a measure of self-efficacy for bladder self-management in SCI. Rick Hansen Institute; 2014. Principal Investigator: Gary Linassi. Co-Investigators: Dalton Wolfe, Larry Brawley, Laurie Hellsten, Sarah Munce, Darren Nickel.

*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.

\$20,565.20 requested (unfunded) – Patient-centred care: Self-management by persons with SCI. Royal University Hospital Foundation; 2014. Principal Investigator: Gary Linassi. Co-Investigators: Darren Nickel, Milo Fink, and three others.

\$165,773 requested (unfunded) – Healthcare self-management amongst people with traumatic spinal cord injury. Saskatchewan Health Research Foundation; 2013. Principal Investigator: Gary Linassi. Co-Investigators: Katherine Knox, Milo Fink, and five others.

*Funding applications 2012-2013*

\$19,514 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; 2013. Principal Investigator: Katherine Knox. Co-Investigators: Kevin S. Spink, Darren Nickel.

*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*

Physio-guided home exercise in moderate to severe MS. Principal Investigator: Katherine Knox. Co-Investigator: Lorna Paul. Collaborators: Sarah Donkers, Rob Loewen, Dalene Newton, Darren Nickel. \$39,730. Hermes Canada | MS Society Wellness Research Innovation Grant; 2016-2017.

The epidemiology and pharmacoepidemiology of multiple sclerosis in Saskatchewan. Principal Investigator: Charity Evans. Co-Investigators: Katherine Knox, Ruth Ann Marrie, David Tran.

Understanding self-management in persons living with spinal cord injury: a descriptive, exploratory study. Principal Investigator: Gary Linassi. Co-Investigators: Donna Goodridge, Noelle Rohatinsky, Sarah Munce, Dalton Wolfe. \$13,332. College of Medicine Research Award; 2016.

Perspectives on walking amongst persons with multiple sclerosis. Principal Investigator: Katherine Knox. Co-Investigator: Lynne Clay. Collaborators: Kiersten Stuart-Kobitz, Darren Nickel. \$5,292. College of Medicine Research Award; 2016.

Development and Initial Validation of a pan-Canadian Self-Management Program for SCI. Principal Investigator: Dalton Wolfe. Co-Investigators: Susan Jaglal, Sarah Munce, Lynsey Hamilton, Vanessa Noonan, Karen Anzai, Gary Linassi. \$206,840. Rick Hansen Institute.

Saskatchewan MS Drugs Program – Quality of life and health outcomes research (Bio#14-86). Principal investigator: Katherine Knox. Co-Investigators: Charity Evans, Walter Hader, Darren Nickel, Marla Rogers, Shirley MacGowan. Government of Saskatchewan – Health.

Multiple sclerosis epidemiology and health outcomes in Saskatchewan (Bio#14-139). Principal Investigator: Katherine Knox. Co-Investigators: Walter Hader, Charity Evans. Saskatoon Health Region & College of Medicine.

Pilot study of plasma metalloprotein biomarkers in multiple sclerosis, acute stroke, and healthy controls. Principal Investigator: Helen Nichol. Co-Investigators: Jurgen Gailer, Gary Hunter, Michael Kelly, Katherine Knox, Bogdan Popescu. \$25,000. Royal University Hospital Foundation; 2014-2016.

Walking balance control and falls in the community after incomplete spinal cord injury. Principal Investigators: Kristin Musselman & Alison Oates. Co-Investigators: Catherine Arnold, Joel Lanovaz, Gary Linassi, Steve Milosavljevic. \$146,413 Saskatchewan Health Research Foundation; 2014-2016.

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.

An examination of exercise and cognitive training interventions on physical function and quality of life in multiple sclerosis. Principal Investigator: Larry Brawley (Katherine Knox Co-Investigator). \$40,000; Cameco MS Neuroscience Research Centre. 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 Traboulee (BC). SK funding: \$317,799; Saskatoon City Hospital Foundation. \$34,000; MS Society of Canada. 2010-2013.

FES cycling in MS: a case study. Principal Investigator: Katherine Knox. Unfunded. 2012-2013.

Long-term health outcomes in MS. Co-investigators: Katherine Knox, Walter Hader, Lilian Thorpe. Unfunded. 2012-2013.

A Phase II, Multicentre, Randomised, Double-blind, Parallel Group, Placebo-controlled, Dose-finding Study to Evaluate the Safety and Efficacy of Three Different Oral Doses of MT-1303 Administered for a Period of 24 Weeks in Subjects With Relapsing-remitting Multiple Sclerosis. Site Principal Investigator: Carol Boyle. Sub-Investigators: Katherine Knox, Wendi Fitzpatrick, Chris Voll, Walter J. Hader, Peter Szkup, Tasha Ellchuk. Total \$ not known until end of study. Mitsubishi Tanabe Pharma Corporation. 2013-2015.

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. MRI morphometric hip comparison analysis of anterior acetabular labral tears. Resident research project. Faculty supervisor: Haron Obaid (Radiology). 2013.

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.

Kim B. Perceptions of pain management on rehabilitation ward. Resident quality assurance project. Faculty supervisor: Katherine Knox (PM&R). 2014.

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.

Rajeseckaran S. Noninvasive ultrasound technique for diagnosing chronic exertional compartment syndrome of the anterior compartment of the lower leg: a pilot project. Resident research project. Faculty supervisor: Cole Beavis (Orthopedic Surgery). 2012.

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.

Wunder S. Patient encounter logs: a tool for feedback and assessment. Resident quality assurance project. Faculty supervisor: Milo Fink (PM&R). 2012.

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.

Zdravkovic T. Play Performance Scale score change in patients with acute lymphoblastic leukemia during cancer treatment. Resident research project. Faculty supervisors: Kaiser Ali (Oncology) and Katherine Knox (PM&R). 2012.