2015-2016 Research Activities

1.0 Peer Reviewed Publications .................................................... 2
2.0 Journal Publication (Abstracts) ............................................... 7
3.0 Peer Reviewed Publications (In Press, Submitted, Under Review) ................................................................. 7
4.0 Other Publications ..................................................................... 8
5.0 Presentations at local, national, international meetings .... 9
6.0 New Studies ........................................................................... 15
7.0 Awards .................................................................................. 17
The following report details West Park’s research activities separated by study type/event and research themes

1.0 PEER REVIEWED PUBLICATIONS

Respiratory Rehab


Desveaux L, Goldstein R, Mathur S, Brooks D Barriers to Physical Activity Following Rehabilitation: Perspectives of Older Adults with Chronic Disease J Aging Phys Act. 2016 Apr;24(2):223-33


O’Hoski S, Sibley KM, Brooks D, Beauchamp MK. Construct validity of the BESTest, mini-BESTest and briefBESTest in adults aged 50 years and older. Gait Posture. 2015 Sep;42(3):301-5


**Spasticity/Neuro**

Chan K, Phadke CP, Stremler D, Suter L, Pauley T, Ismail F, Boulias C. The effect of water-based exercises on balance in persons post-stroke: a randomized controlled trial. Topics in Stroke Rehabilitation

Fennell J, Phadke CP, Mochizuki G, Ismail F, Boulias C. Shoulder retractor strengthening exercises to minimize rhomboid activity Physiother Can. 68 (1), 24-28


Ismail F, Phadke CP, Boulias C Biceps brachii botulinum toxin injections: to be or not to be? Canadian Journal of Neurological Sciences. 2015 Nov;42(6):482. doi: 10.1017/cjn.2015.290


On AY, Phadke CP, Ismail F, Boulias C Approaches of physicians across turkey to using botulinum toxin injections in anti-coagulated patients Turkish Journal of Physical Medicine and Rehabilitation 2015; 61: 253-260

Pauley T, Phadke CP, Kassam A, Ismail F, Boulias C, Devlin M The influence of a concurrent cognitive task on lower limb reaction time among stroke survivors with right- or left-hemiplegia Topics in Stroke Rehabilitation, 2015 Oct;22(5):342-8. doi: 10.1179/1074935714Z.0000000041


Amputee Rehab


Vivas LYL, Pauley T, Dilkas S, Devlin M. Does size matter? Examining the effect of obesity on inpatient amputation rehabilitation outcomes. Disability and Rehabilitation, Feb 17, 2016 (published online),

Professional Practice

LeBlanc, K, Alam, T., Langemo, D., Baranoski, S, Campbell, K., Woo, K. Clinical Challenges of Differentiating Skin Tears from Pressure Ulcers. Accepted for publication January 20, 2016 EWMA Journal.


**Other**


**2.0 JOURNAL PUBLICATIONS (ABSTRACTS)**

**Respiratory Rehab**


**3.0 PEER REVIEWED PUBLICATIONS (IN PRESS, SUBMITTED, UNDER REVIEW)**

**Respiratory Rehab**


Lee AL, Hill CJ, McDonald CF, Holland AE. Pulmonary rehabilitation for non-cystic fibrosis bronchiectasis – a systematic review. Archives of Physical Medicine and Rehabilitation (accepted March 30, 2016)


**Acquired Brain Injury**

Gargaro, J., Gerber, G., McMackin, S. Community Integration and Quality of Life Following Acquired Brain Injury for Persons Living at Home. Brain Injury. Accepted and in press.

Gargaro, J., Gerber, G.J., & Nir, P. Brain injury in persons with serious mental illness who are homeless: Could this impact how services are delivered? Canadian Journal of Community Mental Health. Accepted and in press.

**Other**


**4.0 OTHER PUBLICATIONS**

**Respiratory Rehab**


Goldstein RS. Rates of women with COPD skyrockets as more women take up smoking. Newspaper article. The Toronto Star, April 18 2016.

Lee A, Goldstein RS. Non-pharmacologic treatment of COPD. 100 Key questions on chronic obstructive pulmonary disease (COPD). Book chapter (in press)

Lee A, Goldstein RS. The Role of Telemedicine in Controversies in COPD.Book chapter. ERS Books - in press


Professional Practice

5.0 PRESENTATIONS AT LOCAL-NATIONAL-INTERNATIONAL MEETINGS

Respiratory Rehab


AL Lee. Pulmonary rehabilitation in conditions other than COPD – adaptations and innovations. Rehabilitation Rounds, Rehabilitation Sciences, University of Toronto, Toronto, 2016

AL Lee. Pulmonary rehabilitation in conditions other than COPD – adaptations and innovations. Centre for Heart Lung Innovation, University of British Columbia and St Paul’s Hospital.


Dubois-Webster, J. Telehealth in Respiratory Rehabilitation in Long Term Ventilation. GTA Rehab Network Best Practices Day, Toronto, ON. May 1, 2015


Goldstein RS. COPD Exacerbations: Admission, discharge and enrollment in pulmonary rehabilitation: Challenges and Opportunities. RS, Gupta S. American College of Chest Physicians. Montreal, Quebec 2015 Oct

Goldstein RS. Exploring the COPD Clinical Pathway. Ontario Medical Association / Ontario Hospital Association, Toronto, Ontario. 2015 Jun
Goldstein RS. Milestones in pulmonary rehabilitation. and the Trudeau Society of Los Angeles invited Dr. Goldstein to be their Sam Sills Distinguished Scholar for 2015..City Wide Pulmonary Meeting (Trudeau Society, Veteran’s Administration & Cedars Sinai). Los Angeles, California, United States. Breathe California of Los Angeles County 2015 Apr

Goldstein RS. Moving through the spectrum of care for long term ventilation - summary and conclusions..8th International conference on management and rehabilitation of chronic respiratory failure. Pescara, Abruzzo, Italy.2015 May


Goldstein RS. Pulmonary rehabilitation: where from and where to? Cedars-Sinai Pulmonary Grand Rounds. Los Angeles, California, United States. Breathe California of Los Angeles County and the Trudeau Society of Los Angeles invited Dr. Goldstein to be their Sam Sills Distinguished Scholar for 2015.2015 Apr

Goldstein RS. Readmission reduction in COPD. Leveraging the power of telemedicine. .American College of Chest Physicians. Montreal, Quebec 2015 Oct

Goldstein RS. Reducing hospitalization for acute exacerbation of COPD. Angeles invited Dr. Goldstein to be their Sam Sills Distinguished Scholar for 2015..Harbor-UCLA Medical Grand Rounds. Los Angeles, California, United States. Breathe California of Los Angeles County and the Trudeau Society of Los Angeles2015 Apr

Goldstein RS. Rehabilitation of patients with Interstitial Pulmonary Fibrosis. .American College of Chest Physicians. Montreal, Quebec2015 Oct


Goldstein RS. Telehealth. A new horizon West LA Veteran’s Administration Grand Rounds. Los Angeles, California, United States. Breathe California of Los Angeles County and the Trudeau Society of Los Angeles invited Dr. Goldstein to be their Sam Sills Distinguished Scholar for 2015.2015 Apr

Goldstein RS. The COPD Crisis in Long Term Care. .Ontario Long Term Care Association. Toronto, Ontario.2015 Nov


Spasticity/Neuro


Hadian MR, Mohammadi R, Talebian S, Phadke CP, Yekaninejad MS. The Effects of Treadmill Incline and Speed on Ankle Muscle Activity in Middle-aged Adults. 8th International Congress in Neurorestoratology, April 27 – 29, 2015, Tehran, Iran


Kassam A, Phadke C, Jang Y, Im S, On AY, Ismail F, Boulias C. An international study of spasticity management with botulinum toxin injections in anticoagulated patients. 9th World Congress of the International Society of Physical and Rehabilitation Medicine, 19 – 23 June 2015, Berlin, Germany
Mohammadi R, Hadian MR, Talebian S, Phadke CP, Yekaninejad MS. Ankle muscle activity during walking by variant parameters: comparison between post-stroke patients and healthy groups. 1st European Congress in Neurology, June 20-23, 2015, Berlin, Germany


Mohammadi R, Hadian MR, Talebian S, Phadke CP, Yekaninejad MS. The Effects of Treadmill Incline and Speed on Ankle Muscle Activity in Patients Post-Stroke. 8th International Congress in Neurorehabilitation, April 27 – 29, 2015, Tehran, Iran

Phadke CP, Davidson C, Pauley T, Sharma S, Ismail F, Boulias C. Functional Impact of Ankle Clonus Based on Patient Perceptions. American College of Rehabilitation Medicine, Annual Conference, October 25-30, 2015, Dallas, Texas, USA


Phadke, C. Role of arm cycling in reducing spasticity. Research and Progress Rounds, Department of Physical Therapy, University of Toronto, Faculty of Medicine, Toronto, Canada, April 2nd, 2015


Phadke, C. Building Collaborations between Clinicians and Researchers. Journal Club presentation, Muscle Function and Performance Lab (Dr. Sunita Mathur), Department of Physical Therapy, University of Toronto, ON, Canada, November 12th 2015

Phadke, C. Journey from physiotherapy to neuroscience. Neuroscience Graduate Diploma Program – Meet the Neuroscientist series with 1st Year Neuroscience students, York University, Toronto, Canada, September 25th, 2015

Phadke, C. Neurophysiological mechanisms underlying spasticity assessment and treatment. York University, Toronto, Canada, September 25th, 2015

Phadke, C. Role of physiotherapists in the future. Video address at the World Physiotherapy Day celebration in All India Institute of Physical Medicine and Rehabilitation (AIIPMR), September 8th 2015


Taylor J, Inirio D, Phadke CP, Nair P. The impact of cycling exercise on physiological, functional and psychosocial outcomes in persons with multiple sclerosis: a systematic review. Combined Sections Meeting, APTA, Anaheim, California, USA

Wijekoon S, Tran-Nguyen K, Miller M, Martin LM, Lyons L, Ismail F, Boulias C, Phadke CP. Seasonal variations in spasticity, botulinum toxin dose, outdoor activities, and associated barriers. American College of Rehabilitation Medicine, Annual Conference, October 25 - 30, 2015, Dallas, Texas, USA

**Ampuette Rehab**


**Professional Practice**

Cowie, B., October 30th & 31st, 2015. Lunch With the Professors Sessions, Managing Urinary Incontinence, 2015 Geriatrics Update, Mount Sinai Hospital and University Health Network Hospitals, Toronto.


**Acquired Brain Injury**

**Other**
Burke, KS; Whitby, C. Environmental Factors Impacting Delirium in a Rehabilitation Setting: An Audit and Implementation Process for Improvement. RNAO BPSO, Toronto Mar 10, 2016

Burke, KS; Whitby, C; LeGresley, L. Environmental Factors Impacting Delirium in a Rehabilitation Setting: An Audit and Implementation Process for Improvement. Senior Friendly Hospital ACTION Program: Accelerating Change Together in Ontario, Toronto, Jan 19, 2016

Fraser, J. CHARTING NEW GROUND: Interprofessional approaches to Dysphagia Management. Canadian Association of Occupational Therapists, Dieticians of Canada, Speech-Language and Audiology Canada, Oct 4-6, 2016, Toronto ON


**6.0 NEW STUDIES**

**Respiratory Rehab**

Beauchamp M, Brooks D, Goldstein, Pugsley S, Richardson J. Pilot study of a tailored home balance exercise program for reducing falls in older adults with COPD

*Funding Source:* Teesside University  
*Amount:* $8848

Brooks D, Lee A, Goldstein R, O'Hoski S, Varadi R, Butler S. Does pulmonary rehabilitation relieve or aggravate pain in COPD

*Funding Source:* McMaster Labarge Optimal Aging Initiative, Ontario Lung Association  
*Amount:* $78,000, $9,135

Dolmage TE, Dubois-Webster J, Brooks D, Lee A, Goldstein RS. Leg Muscle Activity and Sensation During Upright Partitioned Exercise Compared to Walking: Propulsion of a 3-wheeled Scooter by Patients with COPD

*Funding Source:* None  
*Amount:* N/A

Brooks D, Lee A, Dolmage TE, Goldstein RS. What is the effect of listening to music during a high-intensity endurance exercise test in people with chronic obstructive pulmonary disease?

*Funding Source:* None  
*Amount:* N/A

Ferreira, L. Barriers to community reintegration for Stroke Survivors

*Funding Source:* None  
*Amount:* N/A

Goldstein R, Lee A. Development and validation of a Canadian version of health literacy measurement tool for chronic disease management

*Funding Source:* Teesside University  
*Amount:* $8848

Harrison S, Lee A, Brooks D, Goldstein R, Hin A. The views of health care providers and individuals with COPD on the role of pain in pulmonary rehabilitation

*Funding Source:* Teesside University  
*Amount:* Unknown

**Spasticity/Neuro**

Aqui A, Mansfeld A, Brooks D. Learning not to fall: perturbation training to promote safe independent mobility post-stroke

*Funding Source:* CIHR  
*Amount:* Unknown (external study)
Bontempo, T, Chan K, Ismail F, Phadke CP, Boulias C. Factors predicting length of stay in patients with ABI

_Funding Source:_
_Amount:_

Thanilachalam V, Phadke CP, Ismail F, Boulias, C. Prevalence of major bleeding complications in anticoagulated patients post-stroke

_Funding Source:_ Merz Pharma
_Amount:_ $15,000

Urache L, Phadke CP, Ismail F, Boulias C, Gerson, Mathur S. Impact of passive cycling on spasticity - Systematic review

_Funding Source:_ None
_Amount:_ N/A


_Funding Source:_ CIHR Partnership for Health System Improvement: 2014-2015
_Amount:_ &111,111

Mochizuki G, Gage WH, Cramp J, Phadke CP, Ismail F, Boulias C. Balance and botulinum toxin

_Funding Source:_ None
_Amount:_ N/A

Reid S, Sasaki A, Lyons L, Ismail F, Phadke CP, Boulias C. Growth of the Spasticity Research Program

_Funding Source:_ CIHR
_Amount:_ $1,900

Reid S, Bosnyak S. Evaluating the achievement of length of stay targets based on stroke severity guidelines in an inpatient rehabilitation hospital in Ontario, Canada

_Funding Source:_ None
_Amount:_ N/A

Thanilachalam, V, Phadke CP, Ismail F, Boulias, C. Clonus and botulinum toxin - systematic review

_Funding Source:_ None
_Amount:_ N/A

**ACQUIRED BRAIN INJURY**

**OTHER**

Brown D, Bell K. The Beliefs of Recreation Therapists Regarding the Efficacy of Board Games as a Therapeutic Modality

_Funding Source:_ None
_Amount:_ N/A
8.0 AWARDS


Goldstein, R. Thomas L. Petty Distinguished Pulmonary Scholar Award, American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR), Washington, DC. September 2015.

Goldstein, R. ATS Assembly on Pulmonary Rehabilitation. May 2016.

Whitby, C. Faculty of Health Sciences Research Plenary Graduate Program Award, 2016.