2012-2013 Research Activities

1.0 Peer Reviewed Publications ................................................................. 2
2.0 Journal Publication (Abstracts) .............................................................. 5
3.0 Peer Reviewed Publications (In Press, Submitted, Under Review) ................................................................ 6
4.0 Other Publications ................................................................................ 7
5.0 Presentations at local, national, international meetings .... 8
6.0 New Studies ......................................................................................... 12
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The following report details West Park’s research activities separated by study type/event and research themes

1.0 PEER REVIEWED PUBLICATIONS

Respiratory Rehab


Janaudis-Ferreira T, Brooks D. How should we train the upper limbs? Chronic Respiratory Disease 2012; 9(3):151-152.


Spasticity/Neuro


**Phadke C.** Clinician’s Commentary on Kawashima et al. 1. Physiotherapy Canada 2013; 65(1):29-30.


Amputee Rehab


Knowledge Translation

2.0 JOURNAL PUBLICATIONS (ABSTRACTS)

Respiratory Rehab


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

*Respiratory Rehab*


*Spasticity/Neuro*


**Pauley T**, Phadke C, **Boulias C**, Ismail F, Devlin M. A comparison of foot pedal reaction time among patients with right- or left-hemiplegia and able-bodied controls. Topics in Stroke Rehabilitation 2013. In press.
4.0 OTHER PUBLICATIONS


5.0 PRESENTATIONS AT LOCAL-NATIONAL-INTERNATIONAL MEETINGS

Respiratory Rehab


Desveaux L, Mathur S, Goldstein R, Brooks D. Perspectives of Primary Stakeholders on Community Based Post-Rehabilitation Exercise Programs for Individuals with Stroke and COPD Better Breathing 2013 Toronto, Canada, 1 February 2013.


Evans RA, Dolmage TE, Robles PG, Brooks D, Goldstein RS. Do field walking tests produce similar cardiopulmonary demands as an incremental treadmill test in obesity? European Respiratory Society Annual Congress, Vienna, Austria, September 2012.


Goldstein R. COPD from spirometry to rehabilitation. Israel Society of Pulmonology, Tel Aviv, Israel, February 2013.

Goldstein R. Systematic review of the effect of maintenance interventions: different approaches. 7th International Conference on Management and Rehabilitation of Chronic Respiratory Failure. AIMAR, Turin, Italy, April 2012.

Goldstein R. The rational use of supplemental oxygen. Israel Society of Pulmonology, Tel Aviv, Israel February 2013.

**Goldstein R.** Psychological consequences of disease - prevalence of anxiety and depression, impact of rehabilitation. 7th International Conference on Management and Rehabilitation of Chronic Respiratory Failure. AIMAR. Turin, Italy, April 2012.


**Janaudis-Ferreira T, Beauchamp M, Goldstein R, Brooks D.** How should we measure arm exercise capacity in individuals with COPD: a systematic review. Canadian Respiratory Conference, Vancouver, Canada, April 2012.


**Janaudis-Ferreira T, D'Souza L, Goldstein R, Brooks D.** Prevalence and Profile of patients with a co-morbid COPD diagnosis discharged from non-pulmonary rehabilitation programs. Better Breathing Conference (Ontario Lung Association), Toronto, Canada, January 2013.


**Spasticity/Neuro**


**Amputee Rehab**


Knowledge Translation


Cowie B. Continence Assessment and Management in Long-Term Care Improving Continence Collaborative, Phase 5 (IC3), Videoconference and Webinar, 27 September 2012.

Cowie B. Evidenced-informed Person-centered Continence Care and Falls, Toronto CCAC Toronto, Canada, 31 May 2012.


Acquired Brain Injury


6.0 NEW STUDIES

Respiratory Rehab

Avendano M, Brode S, Varadi R, Song H. Enhanced therapy for disseminated tuberculosis
Funding Source: None
Amount: N/A
Study duration: 1 year

Avendano M, Jamieson F, Li J. Identification of genetic mutation in mycobacterium tuberculosis that play a role in disease progression
Funding Source: None
Amount: N/A
Duration: 2 years

Brooks D, Goldstein R, Beauchamp M, Desveaux L. A randomized controlled trial of a post-rehabilitation community-based exercise program for individuals with COPD
Funding Source: Ontario Lung Association (OLA)
Amount: $50,000
Study duration: 1 year

Desveaux L, Beauchamp M, Coutts D, Rittaca F, Goldstein R, Brooks D. Randomized controlled trial of a community-based exercise program for preventing functional decline among individuals with chronic obstructive pulmonary disease
Funding Source: Ontario Thoracic Society
Amount: $50,000
Study duration: 5 years

Goldstein R, Brooks D. Patient and provider perspectives on a community-based, post-rehabilitation exercise program for chronic cardiovascular and respiratory disease
Funding Source: Ontario Respiratory Care Society (ORCS) and Canadian Lung Association (CLA)
Amount: $8,000 and $13,000 respectively
Study duration: 1 year

Goldstein R, Dolmage T, Rozenberg D, Evans R. Repeatability Properties of the Usual/Fast Walk Measurement and Its Precision in Predicting Constant Walk Speed Endurance Time in Patients with Chronic Obstructive Pulmonary Disease (COPD)
Funding Source: None
Amount: N/A
Study duration: 1 year

Janaudis-Ferreira T, Stergiou Kita M, Beauchamp M, Goldstein R, Brooks D. Improving measurement of activities of daily living in individuals with COPD
Funding Source: Canadian Respiratory Health Professionals (CRHP) and Ontario Respiratory Care Society (ORCS)
Amount: $10,449 and $10,000 respectively
Study duration: 1 year

Janaudis-Ferreira, T., Goldstein R, Brooks D. Prevalence and Profile of patients with a co-morbid COPD diagnosis discharged from non-pulmonary rehabilitation programs
Funding Source: St. John’s Rehab Foundation
Amount: $4,150
Study duration: 6 months

Lo V, Mathur S. The Effects of Electrical Muscle Stimulation (EMS) on Muscle Atrophy and Functional Outcomes in Critically Ill Patients: a pilot randomized controlled trial
Funding Source: Ontario Respiratory Care Society, Lung Association
Amount: $24,931

Spasticity/Neuro

Boulias C, Ismail F, Phadke C, Shaikh A. Prevalence of pain in patients with spasticity
Funding Source: None
Amount: N/A
Study duration: 1 year

Boulias C, Ismail F, Phadke C, Fennel J, Mochizuki G. Comparison of activation characteristics of two shoulder muscles during shoulder retraction exercises
Funding Source: None
Amount: N/A
Study duration: 1 year

Madan-Sharma P, Chan K. A review of the relationship between Rehab Patient Grouping and outcomes on the inpatient stroke program at West Park Healthcare Centre – A program evaluation
Funding Source: None
Amount: N/A
Study duration: 5 months

Phadke C, Tran-Nguyen K-M, Wijekoon S, Boulias C, Ismail, F. Seasonal changes in outdoor activities in patients with spasticity
Funding Source: None
Amount: N/A
Study duration: 1 year

Phadke C, Boulias C, Ismail F, Minh K, Nguyen T. Schindri W. Comparison of outdoor activities in summer and winter in patients with spasticity
Funding Source: None
Amount: N/A
Study duration: 1 year
**Phadke C, Boulias C, Ismail F, Gage W.** Effect of two types of cycling exercises on spasticity in adults with cerebral palsy  
**Funding Source:** Ontario Federation for Cerebral Palsy  
**Amount:** $19,000  
**Study duration:** 2 years

**Phadke C, Boulias C, Ismail F, Brooks D, et al.** Environmental and personal factors that affect spasticity  
**Funding Source:** None  
**Amount:** N/A  
**Study duration:** 1 year

**Phadke C, Boulias C, Ismail F, Cheung J, et al.** Patient identified factors that influence spasticity in individuals living with spasticity  
**Funding Source:** None  
**Amount:** N/A  
**Study duration:** 1 year

**Phadke C, Boulias C, Ismail F, Gage W, Mochizuki G.** Systematic review of balance impairments and spasticity  
**Funding Source:** None  
**Amount:** N/A  
**Study duration:** 2 years

**Funding Source:** None  
**Amount:** N/A  
**Study duration:** 1 year

**Amputee Rehab**

**Desveaux L, Pauley T, Dilkas S, Devlin M, Goldstein R, Brooks D.** Characterizing Physical Activity Patterns and Preparedness for Community-Based Exercise in Individuals with a Lower Extremity Prosthesis  
**Funding Source:** None  
**Amount:** n/a  
**Study duration:** 1 year

**Pauley T, Devlin M, Payne M, Body J, Dilkas S.** A randomized, controlled trial of in-home exercise training to maintain strength and functional performance in patients with unilateral, lower-limb amputation  
**Funding Source:** West Park Healthcare Centre Foundation  
**Amount:** $2,000
**Study duration:** 1 year

**Pauley T, Paner R, Devlin M, Dilkas S.** Development of an amputee specific normative database using the GAITRite® system  
**Funding Source:** West Park Healthcare Centre Foundation  
**Amount:** $40,000  
**Study duration:** 1 year

**Pauley T, Soric R, Dilkas S,** Fortin C. Return to Driving after knee and hip joint Replacement: a survey study  
**Funding Source:** None  
**Amount:** N/A  
**Study duration:** 1 year

**Knowledge Translation**

**Janes N, Bell B, Cowie B,** McCormack C, Boyd B. Revealing and Acting on Patient Care Experiences: Exploring the Use of Photovoice in Practice Development Work through Case Study Methodology  
**Funding Source:** Sigma Theta Tau International, Lambda Pi-At-Large Chapter, Research Seed Grant  
**Amount:** $1,000
7.0 EXPERT REVIEWERS

Respiratory Rehab

Brooks D.
Associate Editor, Canadian Respiratory Journal
Member, Editorial Board, Physiotherapy Practice and Research
Scientific Editor, Physiotherapy Canada

Goldstein R.
Member, Editorial Board, CHEST
Member, Editorial Board, THORAX
Member, Editorial Board, Journal of Cardiovascular Pulmonary Rehabilitation and Prevention
Member, Editorial Board, Journal of Chronic Obstructive Pulmonary Disease
8.0 AWARDS

Respiratory Rehab

**Brooks D.** Queen Jubilee Award/Medal for significant contributions and achievements by Canadians. 2012.

**Desveaux, L.** Lisa Cicutto Award for Best Presentation by a Student Investigator, 2013

**Goldstein R, Brooks D.** Ontario Lung Association – Pfizer Canada COPD/Smoking Cessation Award, February 2013.

**Janaudis-Ferreira T.** CIHR – Institute of Circulatory and Respiratory Health (ICRH) Young Investigator Forum Travel Award, June 2012.