



# RESEARCH ACTIVITIES

2020/2021

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# OVERVIEW – 2020/2021

Respiratory Medicine: Respiratory Rehab & TB

Amputee Research

Spasticity Research



**Publications**

**44**



**Presentations**

**23**



**Awards**

**14**



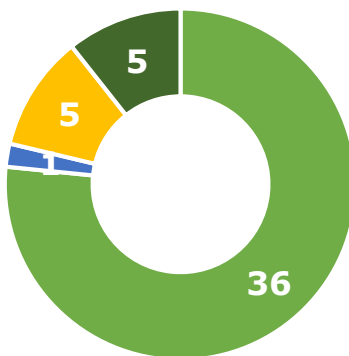
**New Studies**

**9**

New Studies



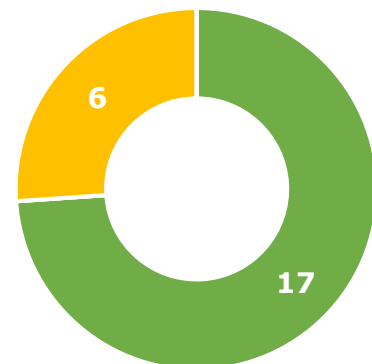
**Publication Themes**



■ Respiratory ■ Spasticity  
■ Amputee ■ Tuberculosis



**Presentation Themes**



■ Respiratory ■ Spasticity  
■ Amputee ■ Other

## 1.0 PEER-REVIEWED PUBLICATIONS

### 1.1 Respiratory Medicine

#### 1.1.1 Respiratory Rehabilitation

Miranda J, Underwood D, Kuepfer-Thomas M, Coulson D, Park AC, Butler SJ, Goldstein R, Brooks D, Everall AC, Guilcher SJT. Exploring transitions in care from pulmonary rehabilitation to home for persons with chronic obstructive pulmonary disease: A descriptive qualitative study. *Health Expect*. 2020 Apr;23(2):414-422. <https://doi.org/10.1111/hex.13012>.

Selzler AM, Habash R, Robson L, Lenton E, Goldstein R, Brooks D. Self-Efficacy and Health-Related Quality of Life: A Meta-Analysis. *Patient Education and Counseling*. 2020 Apr. 103(4):682-692. <https://doi.org/10.1016/j.pec.2019.12.003>

Miller E, Brooks D, Mori B. Using Expert Consensus to Develop a Tool to Evaluate Physical Therapists' Knowledge, Skills and Judgement Related to the Performance of Airway Suctioning. *Physiotherapy Canada*. Spring 2020. 72(2):137-146. <https://doi.org/10.3138/ptc-2018-0101>

O'Hoski S, Harrison SL, Butler S, Goldstein R, Brooks D. Clinician-Led Balance Training in Pulmonary Rehabilitation. *Physiotherapy Canada*. 2020 Aug. Published online. <https://doi.org/10.3138/ptc-2019-0111>

O'Hoski S, Bean JF, Ma J, So HY, Kuspinar A, Richardson J, Wald J, Beauchamp MK. Physical Function and Frailty for Predicting Adverse Outcomes in Older Primary Care Patients. *Archives of Physical Medicine and Rehabilitation* 2020 Apr;101:592-8. <https://doi.org/10.1016/j.apmr.2019.11.013>

Oliveira A, Rutter M, Quijano-Campos J, Herrero-Cortina B, Clari M, O'Rourke A, McGowan A, Burtin C, Sajnic A, De Brandt J. ERS International Congress, Madrid, 2019: Highlights from the Allied Respiratory Professionals' Assembly. *ERJ Open Journal*. 2020 Feb.6:00034-2020. <https://doi.org/10.1183/23120541.00034-2020>

Poureslami I, Shum J, Goldstein R, Gupta S, Aaron SD, Lavoie KL, Poirier C, Kassay S, Starnes K, Akhtar A, FitzGerald JM. Canadian Airways Health Literacy Study Group. Asthma and COPD patients' perceived link between health literacy core domains and self-management of their condition. *Patient Education and Counselling*. 2020 Jul;103(7):1415-1421. <https://doi.org/10.1016/j.pec.2020.02.011>

Machado A, Quadflieg K, Oliveira A, Keytsman C, Marques A, Hansen D, Burtin C. Bewegungstraining bei Patienten mit chronischen Atemwegserkrankungen: Werden kardiovaskuläre Komorbiditäten und Outcomes berücksichtigt? Eine systematische Übersichtsarbeit. *Kompass Pneumol*. 2020 Jul.8:178-199. <http://dx.doi.org/10.1159/000509305>

Chauvin S, Kirkwood R, Brooks D, Goldstein RS, Beauchamp MK. Which Balance Subcomponents Distinguish Between Fallers and Non-Fallers in People with COPD? *Int J Chron Obstruc Pulmon Dis*. 2020 Jul;1(15):1557-1564. <https://doi.org/10.2147/copd.s253561>

Rebello P, Oliveira A, Marques A. Minimal clinically important differences for patient-reported outcome measures of fatigue in patients with COPD. *Chest*. 2020 Aug.158(2):550-561. <https://doi.org/10.1016/j.chest.2020.02.045>

Dechman G, Acheron R, Beauchamp M, Bhutani M, Bourbeau J, Brooks D, Goldstein RS, Goodridge D, et al. Delivery pulmonary rehabilitation during COVID-19 pandemic. A Canadian Thoracic Society Position Statement. *CJRCCSM*. 2020 Sep;4(4):232-235. <https://doi.org/10.1080/24745332.2020.1828683>

Butler SJ, Ellerton L, Gershon A, Goldstein R, Brooks D. Comparison of end-of-life care in people with COPD or lung cancer: A systematic review. *Palliative Medicine*. 2020 Sep;34(8): 1030-1043. <https://doi.org/10.1177/0269216320929556>

Hurley K, Selzler A-M, Rodgers WM, Stickland MK. A feasibility pragmatic clinical trial of a primary care network exercise and education program for people with COPD. *BMC Pilot and Feasibility Studies*. 2020 Oct.6(162). <https://doi.org/10.1186/s40814-020-00705-y>

Butler SJ, Desveaux L, Lee AL, Beauchamp M, Wang W, Brusco NK, Goldstein RS, Brooks D. Randomized controlled trial of community-based, post-rehabilitation exercise in COPD. *Respiratory Medicine*. 2020 Nov-Dec;174: 106195. <https://doi.org/10.1016/j.rmed.2020.106195>

Jácome C, Oliveira A, Rodrigues L, Sanches I, Marques A. Pulmonary telerehabilitation: an international call for action. *Pulmonology*. 2020 Nov-Dec.26(6):335-337. <https://doi.org/10.1016/j.pulmoe.2020.05.018>

Dale CM, McKim D, Amin R, Carbone S, Fisher T, Goldstein RS, Rose L, et al. Education experiences of adult patients and family caregivers with neuromuscular respiratory insufficiency for home use mechanical insufflation-exsufflation (MI-E). *Respiratory Care*. 2020 Dec;65(12):1889-1896. <https://doi.org/10.4187/respcare.07534>

Dale CM, McKim D, Amin R, Carbone S, Fisher T, Goldstein RS, Katz S, Gershon A, Leasa D, Nonoyama M, Pizutti R, Tandon A, Rose L. Education experiences of adult subjects and caregivers for mechanical insufflation-exsufflation at home. *Respiratory Care*. 2020 Dec;65(12):1889-1896. <https://doi.org/10.4187/respcare.07534>

Kouri A, Gupta S, Yadollahi A, Ryan CM, Gershon AS, To T, Tarlo SM, Goldstein RS, Chapman KR, Chow CW. Addressing reduced laboratory-based pulmonary

function testing during a pandemic. *Chest*. 2020 Dec;158(6):2502-2510.  
<https://doi.org/10.1016/j.chest.2020.06.065>

O'Hoski S, Kuspinar A, Richardson J, Wald J, Brooks D, Goldstein R, Beauchamp MK. A Tool to Assess Participation in People with COPD: Validation of the Late Life Disability Instrument. *Chest*. 2021 Jan;159(1):138-146.  
<https://doi.org/10.1016/j.chest.2020.08.2079>

Reynolds C, Brazier K, Burgess E, Parks B, Golla J, Le J, O'Hoski S, Beauchamp M. Unstructured Mobility Programs in Older Hospitalised General Medicine Patients: A Systematic Review and Meta-analysis. *J Am Med Dir Assoc*. 2021 Jan;S1525-8610(20)31057. Epub ahead of print.  
<https://doi.org/10.1016/j.jamda.2020.12.008>

O'Hoski S, Chauvin S, Vrkljan B, Beauchamp MK. The Effect of Lifestyle Interventions on the ICF Participation Domain in Older Adults: A Systematic Review and Meta-Analysis. *Gerontologist*. 2021 Jan. Epub ahead of print.  
<https://doi.org/10.1093/geront/gnab004>

Sobreira M, Almeida M, Gomes A, Lucas M, Oliveira A, Marques A. Minimal Clinically Important Differences for Measures of Pain, Lung Function, Fatigue and Functionality in Spinal Cord Injury. *Physical Therapy*. 2021 Feb.101(2): pzaa210.  
<https://doi.org/10.1093/ptj/pzaa210>

Wshah A, Selzler AM, Ellerton, L, Hill K, Brooks D, Goldstein R. Reducing Sedentary Behavior in Individuals with COPD: Healthcare Professionals' Perspectives. *Physiotherapy Theory and Practice*. 2021 Feb 15;1-12. <https://doi.org/10.1080/09593985.2021.1885088>

Oliveira A, Rebelo P, Paixão C, Jácome C, Cruz J, Martins V, Simão P, Brooks D, Marques A. Minimal Clinically Important Difference for Quadriceps Muscle Strength in People with COPD following Pulmonary Rehabilitation. *COPD*. 2021 Feb.19(1):35-44. <https://doi.org/10.1080/15412555.2021.1874897>

Miller E, Mori B, Nonoyama M, Vaza P, Brooks D. Assessing the content validity of the Physical Therapy Competence Assessment for Airway Suctioning (PT-CAAS) in chronic and community care settings. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*. 2021 Mar 4. Published online.  
<https://doi.org/10.1080/24745332.2021.1872048>

Van Dam A, Sutherland J, Hernandez P, Tse SM, French E, Bourbeau J, Workman B, Brooks D & Members of the CTS COVID-19 Task Force. Canadian Thoracic Society (CTS) Response to the COVID-19 Pandemic. *Canadian Journal of Respiratory, Critical Care and Sleep Medicine*. 2021 Mar. 5(2):125-127.  
<https://doi.org/10.1080/24745332.2021.1881415>

Ishige S, Wakui S, Miyazawa Y, Naito H. Reliability and validity of the Activities-specific Balance Confidence scale-Japanese (ABC-J) in community-dwelling stroke



survivors. *Phys Ther Res*. 2019 Oct 10;23(1):15-22. doi: 10.1298/ptr.E9982. PMID: 32850274; PMCID: PMC7344370.

Oliveira A, Quach S, Alsubheen S, Dasouki S, Walker J, Brooks D, Goldstein R. Rapid access rehabilitation after exacerbations of COPD - A qualitative study. *Respir Med*. 2021 Sep;186:106532. doi: 10.1016/j.rmed.2021.106532. Epub 2021 Jul 8. PMID: 34260976.

Ambrosino N, Donner CF & Goldstein RS, editor(s). *Pulmonary Rehabilitation*. Second. CRC Press - Taylor & Francis Group; 2021. Editor. ISBN: 978-1-138-49881-5

Nici L, Goldstein RS. *Pulmonary Rehabilitation: The Development of a Scientific Discipline*. In: Ambrosino N, Donner CF & Goldstein RS, editor(s). *Pulmonary Rehabilitation*. Second. Boca Raton (United States): CRC Press - Taylor & Francis Group; 2021. ISBN: 978-1-138-49881-5.

Dolmage TE, Goldstein RS. *Partitioning Exercise*. In: Ambrosino N, Donner CF & Goldstein RS, editor(s). *Pulmonary Rehabilitation*. Second. Boca Raton (United States): CRC Press - Taylor & Francis Group; 2021. ISBN: 978-1-138-49881-5.

### 1.1.2 Tuberculosis

Sabur NF, Brar MS, Wu L, Brode SK. Low-dose amikacin in the treatment of Multidrug-resistant Tuberculosis (MDR-TB). *BMC Infectious Diseases*. 2021 Mar 10;21(1):254. doi:10.1186/s12879-021-05947-6, 10.1186/s12879-021-05947-6.

Brode SK. Treatment of Mycobacterium avium complex (MAC) Pulmonary Disease: Incorporating the New Guidelines into Clinical Practice. *Ontario Thoracic Reviews*. 2020 Nov;32(2):4-16.

Ramsay LC, Shing E, Wan J, Marras TK, Kwong JC, Brode SK, Jamieson FG, Sander B. Costs associated with nontuberculous mycobacteria infection in Ontario, Canada, 2001-2012. *Emerging Infectious Diseases*. 2020 Sep;26(9):2097-2107.

Brode SK, Chung H, Campitelli MA, Kwong JC, Sutradhar R, Marchand-Austin A, Winthrop KL, Jamieson FB, Marras TK. The impact of different antibiotic treatment regimens on mortality in Mycobacterium avium complex pulmonary disease (MAC-PD): A population-based cohort study. *European Respiratory Journal*. 2020 Sep;56(3):1901875. doi: 10.1183/13993003.01875-2019. Online ahead of print.

Hirama T, Singer LG, Brode SK, Marras TK and Husain S. Outcomes of a Peri and Post-operative management protocol for Nontuberculous mycobacteria in lung transplant recipients. *Chest*. 2020 Aug;158(2):523-528. pii: S0012-3692(20)30559-6. doi: 10.1016/j.chest.2020.01.056.

Zaheen A, Hirama T, Mehrabi M, Brode SK, Marras TK. Clinical outcomes in Mycobacterium xenopi versus Mycobacterium avium complex pulmonary disease: A retrospective matched cohort study. *Respir Med.* 2020 Jun;167(105967):1-6. doi:10.1016/j.rmed.2020.105967.

Andrews ER, Marchand-Austin A, Ma J, Cronin K, Sharma M, Brode SK, Marras TK, Jamieson FB. Underutilization of nontuberculous mycobacterial drug susceptibility testing in Ontario, Canada, 2010-2015. *Journal of the Association of Medical Microbiology and Infectious Disease.* 2020 Jun;5(2):77-86.

Hirama T, Sabur NF, Song H, McNamee J, Derkach P, Marras TK, Brode SK. Risk factors for drug resistant tuberculosis (TB) at a TB referral centre in Toronto, Ontario, Canada: 2010-2016. *Canada Communicable Disease Report.* 2020 Apr;46(4):84-92.

Lan Z, Ahmad N, Baghaei P, Barkane L, Benedetti A, Brode SK, Brust JCM, Campbell JR, Chang VWL, Falzon D, Guglielmetti L, Isaakidis P, Kempker RR, Kipiani J, Kuksa L, Lange C, Laniado-Laborin R, Nahid P, Rodrigues D, Singla R, Udwadia ZF, Menzies D. Drug-associated adverse events in the treatment of multidrug-resistant tuberculosis: an individual patient data meta-analysis. *Lancet Respiratory Medicine.* 2020 Apr;8(4):383-394.

Esmail A, Pooran A, Sabur NF, Fadul M, Brar MS, Oelofse S, Tomasicchio M, Dheda K. An optimal diagnostic strategy for tuberculosis in hospitalized HIV-infected patients using GeneXpert MTB/RIF and Alere determine TB LAM Ag. *J Clin Microbiol* 2020 58:e01032-20 <https://doi.org/10.1128/JCM.01032-20>

## 1.2 Spasticity

Boulias, C., Ismail, F., & Phadke, C. (2021). Brief Skin Cooling Prior to Intramuscular Botulinum Toxin Injections. *Canadian Journal of Neurological Sciences/Journal Canadien Des Sciences Neurologiques*, 1-2. doi:10.1017/cjn.2021.147

## 1.3 Amputee

\*Radenovic M, Aguilar K, Wyrough A, Johnson C, Luong S, Everall AC, Hitzig SL, Dilkas S, MacKay C, Guilcher SJT. Understanding transitions in care for people with major lower limb amputations from in-patient rehabilitation to home: a descriptive qualitative study. *Disability and Rehabilitation*, 2021.

Brooks SG, Atkinson SL, Cimino SR, Mayo AL, MacKay C, Hitzig SL. Sexuality and sexual health in adults with limb loss: A systematic review. *Sexuality and Disability*, 2020.

MacKay C, Cimino S, Guilcher S, Mayo A, Devlin M, Dilkas S, Payne M, Viana R, Hitzig SL. A Qualitative Study Exploring Individuals' Experiences Living with Dysvascular Lower Limb Amputation. *Disability and Rehabilitation* 2020.



DOI: [10.1080/09638288.2020.1803999](https://doi.org/10.1080/09638288.2020.1803999)

\*Roberts E, Burhani L, Lankester R, Mobbs A, Tigert C, Vanvelzen T, Campbell J, Devlin M, Dilkas M, MacKay C. A Qualitative Study Examining Prosthesis Use in Individuals with Lower Limb Amputations. *Prosthetics and Orthotics International*, Accepted 2021.

## 2.0 PRESENTATIONS AT LOCAL-NATIONAL-INTERNATIONAL MEETINGS

### 2.1 Respiratory Medicine

#### 2.1.1 Respiratory Rehab

Goldstein RS. (July 2020) The Magic of Pulmonary Rehabilitation. Boehringer Ingelheim (Canada) Ltd, Ontario Canada. [Invited]

Paixao C, Rebelo P, Oliveira A, Jacome C, Cruz J, Martins V Simao P, Marques A. (September 2020) Minimal Clinically Important Difference of the Brief-BESTest in COPD. European Respiratory Society (ERS) International Congress [Online]

Oliveira A, Habash R, Marques A, Brooks D. (September 2020) Outcomes in Exercise-based Interventions in ILD. European Respiratory Society (ERS) International Congress [Online]

Oliveira A, Flora S, Santos L, Morais N, Ribeiro J, Silva F, Silva C, Carreira B, Caceiro R, Kumar D, Brooks D, Marques A, Burtin C, Cruz J. (September 2020). Characteristics of patients with COPD using mobile apps in daily life. 30th European Respiratory Society (ERS) International Congress, [Online]

Selzler AM, Margues A, Goldstein RS, Brooks D, Cruz J. (September 2020) Assessing the caregiving experience in COPD: content validity of the Zarit Burden Interview and Caregiver Reaction Assessment. European Respiratory Society (ERS) International Congress. [Online]

Marques A, Machado A, Souto-Miranda S, Jácome C, Cruz J, Oliveira A, Enes V, Afreixo V, Martins V, Andrade L, Valente C, Ferreira D, Simão P, Brooks D, Tavares A. (September 2020) Clinical characteristics of COPD Phenotypes. 30th European Respiratory Society (ERS) International Congress [Online]

Rebelo P, Oliveira A, Paixão C, Souto-Miranda S, Machado A, Alves A, Cruz J, Jácome C, Almeida S, Tavares A, Marques A. (September 2020) Unravelling associations between fatigue and key outcomes in patients with COPD. 30th European Respiratory Society (ERS) International Congress [Online]

Goldstein RS. (October 2020) CTS Honorary Lecture: The Magic of Pulmonary Rehabilitation. American College of Chest Physicians. [Invited, Online]

Michaelchuk WW, Oliveira A, Maybank A, Goldstein R, Brooks D. (January 2021) Design and implementation of home-based telerehabilitation programs in COPD: A systematic review. Better Breathing Conference. [Online]

Miller E, Mori B, Nonoyama M, Vaza P, Brooks D. (January 2021). Assessing the content validity of the Physical Therapy Competence Assessment for Airway Suctioning (PT-CAAS) in chronic and community care settings. Better Breathing Conference [Online]

Quach S, Oliveira A, Brooks D, Walker J, Goldstein R. (January 2021) Perspectives on a Rapid Access rehabilitation program post hospitalization for acute exacerbations of COPD. Better Breathing Conference [Online]

Michaelchuk W, Oliveira A, Maybank A, Goldstein R, Brooks D. (January 2021) Design and implementation of home-based telehealth pulmonary rehabilitation programs in COPD: A systematic review and meta-analysis. Better Breathing Conference [Online]

Oliveira A, Habash R, Ellerton L, Maybank A, Goldstein R, Marques A, Brooks D. (January 2021) Disease-specific outcome measures used in pulmonary rehabilitation for people with Interstitial Lung Diseases. Better Breathing Conference [Online]

Butler SJ, Desveaux L, Lee AL, Beauchamp M, Wang W, Brusco NK, Goldstein RS, Brooks D. (January 2021) Randomized controlled trial of community-based post-rehabilitation exercise in COPD. Better Breathing Conference. [Online]

Goldstein RS. (February 2021) The Magic of Pulmonary Rehabilitation. Humber River Regional Hospital, Toronto, Ontario, Canada. [Invited]

### 2.1.2 Tuberculosis

Brode, SK (February 18, 2021). Treatment of Nontuberculous mycobacterial pulmonary disease (NTM-PD). University Health Network Lung Transplant Education Rounds (online).

Brode, SK (September 30, 2020). Nontuberculous mycobacterial (NTM) pulmonary disease diagnosis and management: An overview for general practitioners. Webinar hosted by the Lung Health Foundation (online).

## 2.2 Amputee

Mackay C (panelist). Department of Physical Therapy Virtual Rehabilitation Research Roundtable: Considerations developing and implementing rehabilitation interventions using virtual platforms (virtual rehabilitation). Department of Physical Therapy, University of Toronto, Ontario, Canada. March 2021.

Cimino SR, Fung V, MacKay C, Mayo AL, Guilcher SJT, Hitzig SL. Experiences of individuals with amputation due to trauma, cancer and infection: A qualitative study. Virtual Poster Presentation, The International Society for Prosthetics and Orthotics (ISPO) Canada, Joint Education Session with the Ontario Association for Prosthetics & Orthotics, Canada. October 2020.

Brooks S, Atkinson SL, Cimino SR, Mayo AL, MacKay C, Hitzig SL. A systematic review on sexuality and sexual health in adults with limb loss. Recorded Poster Presentation, The Canadian Association of Physical Medicine & Rehabilitation (CAMPR) Virtual Academic Day in lieu of their 68<sup>th</sup> Annual Scientific Meeting being cancelled due to COVID-19, Canada. Available at: <https://capmrconference.ca/recorded-abstracts/> May 2020.

Mayo AL, Dilkas S, Devlin M, Viana R, Payne MW, MacKay C, Guilcher SJT, Hitzig SL. The influence of social disconnectedness and perceived social isolation on health and wellbeing in community-dwelling adults with dysvascular limb loss. Recorded Poster Presentation, The Canadian Association of Physical Medicine & Rehabilitation (CAMPR) Virtual Academic Day in lieu of their 68<sup>th</sup> Annual Scientific Meeting being cancelled due to COVID-19, Canada. Available at: <https://capmrconference.ca/recorded-abstracts/> May 2020.

## 3.0 NEW STUDIES

### 3.1 Respiratory Medicine

#### 3.1.1 Respiratory Rehabilitation

Michaelchuk W, Selzler A, Ellerton C, Goldstein RS, Brooks D. Reducing sedentary time in COPD: Acceptability and feasibility of wearable technology.

Start date: July 2020

Expected duration: 1 year

Partners: None

Funding source: None

Funding amount: n/a

Validity of Activity-specific Balance Confidence (ABC) scale in individuals with COPD  
A systematic review of the psychometric properties and cross-cultural adaptation of the De Jong Gierveld Loneliness scale for adults

Effect of pulmonary rehabilitation on reducing loneliness in individuals with chronic obstructive pulmonary disease (COPD)

Validity and reliability of the UCLA-LS in COPD

#### 3.1.2 Tuberculosis

Brode SK, Sabur NF. Tuberculosis and chronic liver disease.

Expected duration: 12 months

Partners: Toronto Western Hospital

Funding source: NA

Funding amount: NA

Sabur NF, Brode SK. Rifampin intolerance in TB disease treatment: Risk factors, treatment, and outcomes.

Expected duration: 24 months

Partners: None

Funding source: NA

Funding amount: NA

### 3.2 Amputee

Zidarov D, MacKay C, Hitzig S, Mayo A, Zucker-Levin A, Cimino S, Charboneau N. Assessing the Community Needs of Individuals with Limb Loss: Building the Foundation for Community Action

*Funding Agency:* SSHRC

Partners: Amputee Coalition of Canada

*Amount:* \$25,000

*Duration:* March 2021-February 2022 (one year)

Domazet T, Dong A, Handler C, Nella K, Witt M, Campbell J, Dilkas S, MacKay C. Understanding Transitions in Care for Persons with Limb Loss: Health Care Providers Perspectives

*Funding Agency:* N/A

*Partners:* University of Toronto

*Amount:* N/A

*Duration:* September 2020-July 2021 (one year)

Anderson J, Christie M, Khademi M, Muhammad A, Naik D, Polanski A, Coleman J, Chu A, MacKay C. The impact of the COVID-19 pandemic on hospital-based physiotherapists' roles and responsibilities

*Funding Agency:* N/A

*Partners:* University of Toronto

*Amount:* N/A

*Duration:* September 2020-July 2021 (one year)

Li L, Miguel M, Phillips C, Verweel L, Wasilewski M, MacKay C. Understanding Stakeholder Perspectives on 3-D Scanning and Printing

*Funding Agency:* N/A

*Partners:* University of Toronto

*Amount:* N/A

*Duration:* September 2020-August 2021 (one year)

Vi L, Devlin M, Lehkyj S, Riondato Z, Campbell J, MacKay C, Dilkas S. Stair Mobility After Inpatient Rehabilitation for Lower Limb Amputation.

*Funding Agency:* N/A

*Partners:* University of Toronto

*Amount:* N/A

*Duration:* approximately 1.5 years

Marzolini S, Brun A, Hébert A, Mayo A, MacKay C. Barriers and Facilitators to Inclusion of People with Lower Limb Amputation in Cardiac Rehabilitation in Canada.

*Funding Agency:* N/A

*Partners:* Toronto Rehabilitation Institute

*Amount:* N/A

*Duration:* approximately one year

## 4.0 AWARDS

### 4.1 Respiratory Medicine

#### 4.1.1 Respiratory Rehabilitation

Brooks D. (2021) Thomas L. Petty Distinguished Pulmonary Scholar Award. American Thoracic Society.

Butler S. (2021/01) Margaret Ritch Award for Best E-Poster, Ontario Respiratory Care Society

Goldstein RS. (2020/10) CTS Honorary Lecture Award, Canadian Thoracic Society.

Miller E. (2020/9 – 2021/8) Ontario Graduate Scholarship, Government of Ontario. 15,000 CAD

Miller E. (2020/9 – 2021/8) Ontario Respiratory Care Society Fellowship Award, The Lung Health Foundation. 15,000 CAD

Goldstein RS (PI), Brooks D, Oliveira A, Walker J. (2020 Jul - 2021 Jun) Rapid Access Rehabilitation (RAR) Post Hospitalization for Acute Exacerbations of Chronic Obstructive Pulmonary Disease - A feasibility study. CIHR, Breathing As One - Boehringer Ingelheim Canada COPD Grant, BAO-170162. 10,000 CAD.

#### 4.1.2 Tuberculosis

Schwartzman K (PI), Johnston JC (PI), Brode SK, Campbell J, Cook VJ, Dowdy D, Greenaway CA, Macdonald L, Menzies R, Oxlade OA, Rea KH, Rivest P, Silva DS. (2020 Jul - 2023 Jun) Tuberculosis in Canada: Modeling to Inform Elimination. Canadian Institutes of Health Research (CIHR) Project Grant. 416,924 CAD.

Marras TK (PI), Brode SK, Winthrop KL. Pilot study of point-of-use microbial water filters as adjunctive management in patients with Mycobacterium Avium pulmonary disease. The Lung Health Foundation Team Breathe Research Award Program. Grants-in-Aid for Basic Science or Clinical Research. 49,219 CAD.

### 4.2 Amputee

Zidarov D (PI), MacKay C, Hitzig S, Mayo A, Zucker-Levin A, Cimino S, Charboneau N. (2021/03-2022-02) Assessing the Community Needs of Individuals with Limb Loss: Building the Foundation for Community Action. SSHRC. \$25,000 CAD.



Steinberg R (PI), Robinson L, Mayo A, Simpson R, Simon M, Hitzig S, Wasilewski M, Dilkas S, Jankey S, MacKay C. (2021/04-2022/04) Feasibility and Benefit of Developing a Novel Psychosocial Group Therapy Intervention for Rehabilitation Inpatients with Lower Limb Loss. Alternative Funding Plan (AFP) Innovation Fund. \$97,217 CAD.

Wasilewski M (PI), MacKay C, Gotlib L, Hitzig S, Mayo A, Robinson L, Simpson R, Cassin M, Grossi MG, Lawlor A, Polese P. (2020/03-2021-08) Exploring the Role of Peer Support in Trauma Patients' Recovery Journey. Sunnybrook Education Advisory Council & Education Research Unit Research & Scholarship Grant, Sunnybrook Health Sciences Centre. \$9,987 CAD

Hawker G (PI), Lipcombe L (PI), MacKay C, Payal A, da Costa B, Ivers N, Jaglal S, Juni P, King L, Waugh E, Weisman A, Parsons J, Bardai Z, Farrer C, Gakhal N. (2019/10-2023/09) Development & Piloting of a Patient and Provider-Level BehaviorChange Intervention to Increase Physical Activity in People with Diabetes through Diagnosis and Management of Concomitant Knee Osteoarthritis. Project Grant Program: Spring 2019 Competition. Canadian Institutes of Health Research. \$711,451 CAD.

Sander L Hitzig (PI), MacKay C, Armstrong DG, Devlin M, Fung V, Kayssi A, Mayo AL, Sale J, Siu G, Viana R, Cimino S, Dilkas S, Domingo A. (2019/04-2021/03) Ontario Association for Amputee Care; St. John's Rehab – Sunnybrook Health Sciences Centre. Developing a Patient Reported Outcome for Amputation (PRO-AMP). Project **Grant** Program: Fall 2018 Competition, Canadian Institutes of Health Research. \$149,176 CAD.

MacKay C (PI), Hitzig S, Mayo A, Dilkas S, Devlin M. (2019/07-2020/06) Development of an Exercise and Physical Activity Intervention for People with Lower Limb Amputations Living in the Community: Perspectives of Individuals with Limb Loss and Health Care Providers. Physiotherapy Foundation of Canada. \$5,000 CAD

MacKay C (PI), Hitzig S, Dilkas S, Mayo A (2019/06-2020/05) Improving Access to Support for Exercise and Physical Activity in People with Lower Limb Amputations. Cass Family Grants for Catalyzing Access and Change, University of Toronto. \$5,000 CAD

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