



Poster Session

There was an overwhelming response to this year's Call for Poster Abstracts. Due to the number of submissions doubling from historical levels and to the high calibre of abstracts received, the co-chairs of the Scientific and Abstract Sub-Committees redesigned our format of delivery.

For 2017, the accepted abstracts will be presented in two different groups. The first group will be unmoderated, with two dedicated times for presenting authors to be at their posters for interaction with conference attendees. Peruse the list of themed poster sessions below to identify the unmoderated or moderated presentations you wish to attend.

Submissions accepted in Group One will be posted according to the following schedule:

Thursday, April 27

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| 1530 – 1600 | Group One posters on display in the foyer |
| 1730 – 1930 | Opening Reception: Group One posters on display |

Friday, April 28

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| 0730 – 0815 | Group One posters on display |
| 1000 – 1030 | Group One poster presenters available |
| 1200 – 1245 | Group One poster presenters available |

GROUP ONE: UNMODERATED

Asthma

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| Comparative Efficacy of Reslizumab and Mepolizumab for the Treatment of Severe Eosinophilic Asthma: A Network Meta-Analysis | <i>Eric Druyts</i> |
| Athletes and Eucapnic Voluntary Hyperventilation: Impact of Ventilator Parameters in a Large Cohort | <i>Payman Jamali</i> |
| Association Between Severe Asthma and CFTR Mutations | <i>Giovanna Riolo</i> |
| Association Between Asthma During Pregnancy and Postpartum Depression | <i>Sherief Salah</i> |
| Development and Validation of Clinical Scores for Diagnosing Occupational Asthma | <i>Mahsa Taghiakbari</i> |

Basic Science: Genes and Molecules

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| Effects of Endothelial and Inducible NO Synthases in a Mouse Model of Sleep Apnea | <i>Simone Kraut</i> |
| A New Proteomics Approach to Profile Lung Tissue and Bronchoalveolar Lavage Fluid | <i>Thomas Mahood</i> |
| Molecular Mechanism of Classical Transient Receptor Potential 1: Regulated Pulmonary Vascular Remodeling in Chronic Hypoxia-Induced Pulmonary Hypertension in Mice | <i>Monika Malczyk</i> |
| Epigenetic Control of Proteolytic Pathways in the Diaphragm During Prolonged Mechanical Ventilation | <i>Nikolay Moroz</i> |

Clinical and Critical Care Problems

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| Long-Term Treatment With Nintedanib in Patients With IPF: An Update From INPULSIS®-ON | <i>Karen Bell</i> |
| Discovery of Oral Pain in Adult Intensive Care Unit Patients Receiving Mechanical Ventilation | <i>Craig Dale</i> |
| Knowledge of Tuberculosis Among 6109 Patients in a NGO-Supported DOTS Program in India | <i>Sophie Huddart</i> |
| Tuberculosis Diagnostic and Treatment Availability in 14 Highest Burden Countries | <i>Sophie Huddart</i> |
| Intrapleural Therapy Usage in a Tertiary Health Centre | <i>Jaspreet Kambo</i> |
| Understanding the Process of Recovery From Critical Illness: The Patient's Perspective | <i>Tania Larsen</i> |
| The Need for Written Advance: Care Planning Resources in Idiopathic Pulmonary Fibrosis | <i>Jalal Moolji</i> |
| Automation of Real-Time Hypoxemia Monitoring in Paediatric ARDS | <i>Michaël Sauthier</i> |
| Imitating Cardiac Sarcoid | <i>Nicole Sitzer</i> |
| Efficacy and Safety of Inhaled Anaesthetic for Postoperative Sedation During Mechanical Ventilation in Adult Cardiac Surgery Patients: A Systematic Review and Meta-Analysis | <i>Jessica Spence</i> |

Chronic Obstructive Pulmonary Disease

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| A Randomized Double Blind, Placebo Controlled Clinical Trial Evaluating the Effects of Immediate Release Morphine on Breathlessness and Exercise Endurance in COPD: Responders vs. Non-Responders | <i>Sara Abdallah</i> |
| Can Patients With COPD Assimilate Disease Information at a Time of Being Acutely Unwell Due to an Exacerbation of Their Disease? Results of a Pilot Randomized Controlled Trial | <i>Tania Janaudis-Ferreira</i> |
| Effect of Eight and 12 Weeks' Once-Daily Tiotropium and Olodaterol, Alone and Combined With Exercise Training, on Exercise Endurance During Walking in Patients With COPD | <i>Karen Bell</i> |
| Evaluating Blood Eosinophils and Exacerbation History to Predict ICS Response in COPD | <i>Karina LaFlamme</i> |
| Screening Eosinophil Counts and Risk of Exacerbations After Inhaled Corticosteroid Withdrawal in Severe COPD | <i>Mena Soliman</i> |
| The Effects of Hypoxia on Muscle Oxygenation During Handgrip Exercise | <i>Luana Melo</i> |
| Long-Term Azithromycin Therapy to Reduce Acute Exacerbations in Patients With Severe Chronic Obstructive Pulmonary Disease | <i>Nafiseh Naderi</i> |
| POWER: Prospective Cohort Study for the Real-Life Effectiveness of Glycopyrronium With Indacaterol Combination in the Management of COPD in Canada | <i>David Prefontaine</i> |
| A Nurse Practitioner Led Interdisciplinary Approach to Hospital Care of People With COPD | <i>Carolyn Ross</i> |
| Long-Acting Anticholinergics in Patients With Chronic Obstructive Pulmonary Disease: Adherence and Persistence | <i>François Savaria</i> |
| A Triple Aim Approach to COPD Management From Hospital to Home | <i>Lily Spanjevic</i> |
| Undiagnosed COPD Leads to a Significant Symptom Burden With Important Differences Between Men and Women | <i>Joshua Wald</i> |

Program Implementation / Knowledge Translation

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| Caring for My COPD: A Community-Based Integrated Management Program for Adults With Moderate to Severe COPD in HNHB LHIN | <i>Gerard Cox</i> |
| The Quebec Respiratory Health Education Network: Integrating a Model of Self-Management Education in COPD Primary Care | <i>Raquel Farias</i> |
| An Evidence-Based, Point-Of-Care Tool to Guide Completion of Asthma Action Plans in Practice | <i>Andrew Kouri</i> |
| Comparison of COPD Maintenance Treatments in the Salford Lung Study to That of Canadian Clinical Practice | <i>Gilbert Nadeau</i> |
| Comparison of the COPD Population of the Salford (UK) Lung Study and Patients With COPD Seen in Routine Care in Canada | <i>Gilbert Nadeau</i> |

Rehabilitation

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| The Glittre Activities of Daily Living Test: A Valid Measure of Physical Function in Individuals With COPD | <i>David Anekwe</i> |
| The Electronic Cigarette Market in the Greater Montreal Area: A Descriptive Survey | <i>Samantha Briand</i> |
| Lung Function Parameters: Good Predictors of Change in Physical Activity After Pulmonary Rehabilitation Program? | <i>Samer Georges</i> |
| Raising Awareness and Celebrating Success: Philatelic Contributions in Respiratory Medicine | <i>John Gjevre</i> |
| Physical Activity and Self-Reported Health Measures Are Significantly Lower in Adults With Obstructive Breathing: An Analysis of the Canadian Health Measures Survey | <i>Karla Horvey</i> |
| Normative Values for the Unsupported Upper Limb Exercise Test and 6-Minute Pegboard and Ring Test in Healthy Canadian Adults | <i>Tania Janaudis-Ferreira</i> |
| Patterns of Home Ventilator Assistance in the Province of Alberta, Canada: A Retrospective Population-Based Cohort Study | <i>Erika MacIntyre</i> |
| Patterns of Non-Invasive Home Ventilation Usage in the Province of Alberta, Canada: A Retrospective Population-Based Cohort Study | <i>Erika MacIntyre</i> |
| Development of the Canadian Standardized Pulmonary Rehabilitation Efficacy Trial: A Protocol Update | <i>Anne-Marie Selzler</i> |

GROUP TWO: MODERATED

The second group will be provided dedicated time during Friday afternoon's refreshment break, followed by the traditional 90-minute moderated session. Their posters will be available according to the following schedule:

Friday, April 28

1500 – 1530 Group Two poster presenters available
1530 – 1700 Group Two moderated poster session

Saturday, April 29

0730 – 0815 Group Two posters on display
1000 – 1045 Group Two posters on display

Asthma

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| Impact of Acute Laboratory Psychological Stress on Physiological Responses Among Asthmatics: A Systematic Review | <i>Simon Bacon</i> |
| Development and Validation of a Pharmacoepidemiologic Pediatric Asthma Control Index Using Information From Administrative Database | <i>François Després</i> |
| The Impact of a Cognitive-Behavioral Weight Management Program on Depressive Symptoms and Weight Change in Asthmatic Adults: A Pilot Study | <i>Ariane Jacob</i> |
| Pathological Investigation of the Cardio-Adrenal Axis in Fatal and Non-Fatal Asthma | <i>Nicholas Jendzjowsky</i> |
| Stability of Asthma Symptom Control in a Longitudinal Study of Mild-Moderate Asthmatics | <i>Kate Johnson</i> |
| Safety of Tiotropium in Pre-School Children With Symptomatic Persistent Asthma | Kris Garlick |
| Observed Reduction of Healthcare Utilization After Omalizumab Initiation Among Patients With Persistent Asthma Followed in Canadian Clinical Settings | <i>Jean-Louis Stril</i> |
| Emergency Department Directed Multifaceted Interventions to Improve Outcomes After Asthma Exacerbations: A 3-Armed Randomized Controlled Trial | <i>Cristina Villa-Roel</i> |

Basic Science: Signals, Messages & Function

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| Tumor-Based Gene Expression Biomarkers to Predict Survival Following Curative Intent Resection for Stage I Lung Adenocarcinoma | <i>Alisson Clemenceau</i> |
| Ventilatory Control Characteristics in Mild COPD | <i>Nicolle Domnik</i> |
| Expression of MicroRNAs That Specifically Regulate Proteolytic Pathways in Limb Muscles of COPD Patients | <i>Sabah Hussain</i> |
| The Inflammatory Mediator Lysophosphatidic Acid Stimulates Breathing via Activation of the Carotid Body | <i>Nicholas Jendzjowsky</i> |
| Airway Smooth Muscle Hypercontractility May Result From an Acute, Transient Response to Inflammation | <i>Linda Kachmar</i> |
| Inflammatory Mediators Enhance the Intrapulmonary Airway Smooth Muscle Contractility in Cystic Fibrosis | <i>Oleg Matusovskiy</i> |
| Phagocytosis of Organic Dust by Airway Epithelial Cells | <i>Toby McGovern</i> |
| Intranasal Simvastatin Treatment Alters Eicosanoid Patterns in Allergen-Challenged Mice | <i>Christopher Pascoe</i> |
| Real-Time Imaging of Hypotonically-Induced ATP Release in A549 Lung Epithelial Cells | <i>Olga Ponomarchuk</i> |
| Mechanical Stretch-Induced ATP Release and Signaling Propagation in Rat Alveolar Cells | <i>Ju Jing Tan</i> |

Chronic Obstructive Pulmonary Disease

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| Practice Patterns and Care Gaps in the Management of COPD in Primary Care | <i>Waleed Alsowayan</i> |
| An International Randomized Study of a Home-Based Self-Management Program for Severe COPD: The COPD Patient Management European Trial | <i>Jean Bourbeau</i> |
| Innovating the Treatment of COPD Exacerbations: A Phone Tele-System to Improve Action Plan Adherence | Rachel Farias |
| Computed Tomography Airway Count and Outcomes in COPD: The Community-Based, Multi-Centre CanCOLD Cohort Study | <i>Miranda Kirby</i> |
| Asthma-COPD Overlap in the CanCOLD Cohort: Prevalence, Attributes and Natural History | <i>Yousef Mostafavi</i> |
| Is Psychological Stress Associated With Worse Health Behaviours in the CanCOLD Study? | <i>Nicola Paine</i> |
| A Retrospective Review of Discharge Summaries Following an AECOPD: An Opportunity Lost to Optimize Chronic COPD Management | <i>Emad Saad</i> |
| Admission Histories for AECOPD: An Opportunity to Help Improve Care | <i>Emad Saad</i> |
| Polypharmacy and Renal Impairment in Patients With Chronic Obstructive Pulmonary Disease Newly Treated With Long-Acting Anticholinergics | <i>François Savaria</i> |

From Cancer to Interstitial Lung Disease

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| Lung Cancer Screening in Saskatchewan: The First Five Years | <i>Rachel Bethune</i> |
| The Cost-Effectiveness of Lung Cancer Screening in Saskatchewan | <i>Rachel Bethune</i> |
| Diagnosis of Chronic Obstructive Pulmonary Disease in Lung Cancer: A Population-Based Study | <i>Sophie Corriveau</i> |
| Association Between Glucose Intolerance and Bacterial Colonisation in an Adult Population With Cystic Fibrosis, Emergence of <i>Stenotrophomonas Maltophilia</i> | <i>Catherine Lehoux Dubois</i> |
| Palliative Care and the Location of Death for Patients With Idiopathic Pulmonary Fibrosis in Edmonton, Alberta | <i>Jalal Moolji</i> |
| The Quality of Death and Dying in Idiopathic Pulmonary Fibrosis | <i>Jalal Moolji</i> |
| Lung Cancer Risk and ICS Exposure in a Population-Based Cohort of COPD Patients | <i>Adam Raymakers</i> |
| Oxygen Requirements and Relationship to Exercise Capacity and Aerobic Training in Advanced Interstitial Lung Disease | <i>Lisa Wickerson</i> |
| Clinical Indicators of Survival in Stage IV Lung Cancer: Role of Metastases (M) Descriptor | <i>Ping Shi Zhu</i> |

Program Implementation / Knowledge Translation

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| The Impact of Specialty of Care on Long-Term Medical Costs of COPD | <i>Wenjia Chen</i> |
| COPD Program and First Line Data Monitoring: A Primary Care Model | <i>Jean Bourbeau</i> |
| A Review of the Development and Activities of The Lung Association's Provider Education Program | <i>Jennifer MacKinnon</i> |
| Large Gaps in Asthma Management in Primary Care: A Comprehensive Electronic Practice Audit | <i>Courtney Price</i> |
| The Electronic Asthma Management System: Results of a New Knowledge Translation Tool for Asthma Care | <i>Courtney Price</i> |
| An Electronic Asthma Performance Indicator Reporting System: Use of Standardized Electronic Medical Record Data at the Point of Care | <i>Jessica Schooley</i> |
| Knowledge and Attitudes of Undergraduate Medical Students Towards Spirometry: Phase 1 of a Comparative Prospective Study to Evaluate the Relevance of an Interactive Mobile Application to Facilitate its Interpretation | <i>Catherine Sweeney</i> |
| Asthma Management and Outcomes Monitoring System: Use of Standardized Data Elements and eTools to Support Patient Care, Self-Management and Program Evaluation | <i>Ann Taite</i> |

Pediatrics

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| Specific Genetic Variants in Chitinase 3-like 1 as a Potential Marker of Cystic Fibrosis Disease Severity | <i>Adèle Coriati</i> |
| Is Dysfunctional Breathing Identifiable in Pediatric Asthma? | <i>Jessica DeMars</i> |
| Pilot Study of Point of Care Lung Ultrasound Among Children With Respiratory Distress | <i>Christopher Ewing</i> |
| Late Presentation of Lymphatic Abnormalities in a Child With Noonan Syndrome and a RIT1 Mutation | <i>Katherine Harman</i> |
| An Investigation Into Usefulness of Exhaled Nitric Oxide and Atopy as Markers of Allergic Bronchopulmonary Aspergillosis in Cystic Fibrosis | <i>Karen Keown</i> |
| The Diagnostic Value of Whole Exome Sequencing in the Investigation of Children With Complex Respiratory Diseases | <i>Karen Keown</i> |
| Impact of Pediatric Lung Transplant on Quality of Life Outcomes | <i>Tanya Lazor</i> |
| Reliability of Automatic Analysis to Quantify Patient-Ventilator Asynchrony in Critically Ill Children | <i>Guillaume Mortamet</i> |

Rehabilitation

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| Nordic Walking Using Activator Poles Increases Exercise Tolerance in Individuals With COPD Compared to Healthy Controls | <i>David Anekwe</i> |
| Effects of Physical Activity Interventions on Overweight and Obese Individuals With Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta-Analysis | <i>Shaymaa Ba Armah</i> |
| Active Video Games as a Training Tool for Individuals With Chronic Respiratory Disease: A Systematic Review | <i>Stacey Butler</i> |
| Creating Quality Indicators for Canadian Pulmonary Rehabilitation Programs: A Rand Appropriateness Method Study | <i>Walden Cheung</i> |
| Physiotherapy Treatment of Exercise-Induced Vocal Cord Dysfunction in a 16-Year-Old Female Athlete: A Case Study | <i>Jessica DeMars</i> |
| Exercise Intensity Equivalencies in Moderate Chronic Obstructive Pulmonary Disease | <i>Nydia Icaza Ordonez</i> |
| Determination of Endurance Shuttle Walk Test Level From Incremental Cycling Test Response | <i>Ann-Sophie Laroche</i> |
| Peripheral Oxygen Desaturation During 6-Minute Walk-Test in Neuromuscular Disease: Is it Relevant in Myotonic Dystrophy Type I? | <i>Marie-Pier Roussel</i> |
| Predisposing Factors of Behaviour Change: Relationships of Patient Attitudes and Perceptions to Health Outcomes and Physical Activity in Patients With COPD | <i>Anne-Marie Selzler</i> |
| Barriers to Exercise Following Pulmonary Rehabilitation in Individuals With COPD: A Mixed Methods Study | <i>Judith Soicher</i> |