

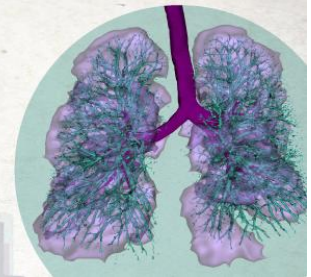
# CANADIAN RESPIRATORY CONFERENCE

Calgary, AB | April 16-18, 2026

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## CRC 2026 MODERATED POSTER SESSION

A moderated poster session will be held on Friday, April 17, 2026, from 1700 – 1830 during the Canadian Respiratory Conference 2026 at the Calgary TELUS Convention Centre in Hall E. Poster presenters will be available to answer questions posed by moderators and delegates during an interactive 90-minute session.

Posters will also be available for viewing during the Welcome Reception and all scheduled breaks, including breakfast and lunch, as per the Poster Schedule below.

<b>Group 1: Transforming Asthma Management: Pathways to Improved Patient Health</b>		
<b>Moderators: Krystelle Godbout, Shirley Quach</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
15	Mepolizumab for the treatment of refractory chronic cough with eosinophilic airways disease (MUCOSA): a randomized, double-blind, placebo-controlled trial	Danica Brister
21	Twice-yearly Depemokimab demonstrates efficacy in patients with asthma across baseline medium- and high-dose ICS Subgroups: Phase III SWIFT-1/2 Studies	Thomas Mahood
24	Psychiatric Screening Tools in Asthma Patients: A Systematic Review	Dilini Vethanayagam
41	Respiratory Oscillometry for Predicting Asthma Exacerbation	Esther Zuo
66	Comparison of the Bronchodilator Response in Asthma Using Respiratory Oscillometry and Spirometry	Hana Badawi
130	Effects of OPEP Airway Clearance Therapy on Mucus Plugging and Airflow in Asthma: Interim Results from the AeroMUC Trial	Ekamdeep Sandhu
147	Twenty-year Trends in Excess Costs of Asthma	Jeenat Mehareen
168	Predictors of Rapid Lung Function Decline in the Oxford Asthma attack risk scale (ORACLE2) Individual Patient Data Meta-Analysis	Fleur L. Meulmeester

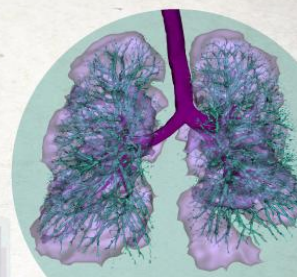
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174	Asthma Remission in Patients Not on Biologic Therapy in the Canadian Severe Asthma Registry (CSAR)	Marianne Laguë
188	Investigating the Mechanisms Underlying Airway Hyperresponsiveness Amongst Individuals Who Vape	Judith Fortier

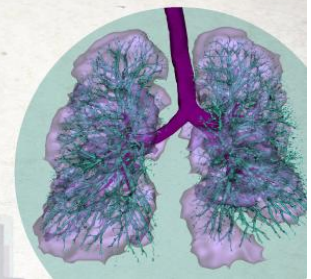
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<b>Group 2: Signals, Cells and Tissues: Investigations in Asthma</b>		
<b>Moderators: Hana Serajeddini, Manali Mukherjee</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
29	Airway Mucus Textures Help Explain Lung Function in GINA 4/5 Asthma	Eveline Durom
46	Unmasking The Microbiome of Wildfire Smoke: Implications for Asthma and Respiratory Inflammation	Atena Sombolestani
71	Type 2 Inflammation as a Predictor of Placebo Response in Asthma Clinical Trials: Findings from the ORACLE2 Meta-Analysis	Joël St-Pierre
88	Type-2 Related Comorbidity Inference of Biologic Response of Severe Asthma Patients from the Canadian Severe Asthma Registry (CSAR)	Louis David Ipis
109	Regulatory T cell subset imbalance in severe asthma attacks (Prisma Cohort)	Anne-Pascale Tremblay
137	CT-evaluated Pulmonary Vascular Differences in Moderate-to-severe Asthma are Modifiable	Anusha A. Mappanasingam
139	Uncontrolled Sputum Eosinophilia and Asthma on Mepolizumab 300 mg in Eosinophilic Granulomatosis with Polyangiitis (EGPA)	Sarita Thawanaphong
164	Airway autoimmunity in asthma is linked to TLR9-driven expansion of T-bet <sup>+</sup> CD27 <sup>-</sup> IgD <sup>-</sup> B cells and reduced IL-10 <sup>+</sup> CD5 <sup>+</sup> B regulatory cells	Nadia Suray Tan
166	Role of IL-13/IL-4 Receptor Blockade on Airway Autoimmunity and Mucus Plugging in Severe Asthma: The IL-SAA Study	Ekamdeep Sandhu
175	Sputum Biomarkers in Asthma Exacerbations: a Practical Application	Olivier Thériault

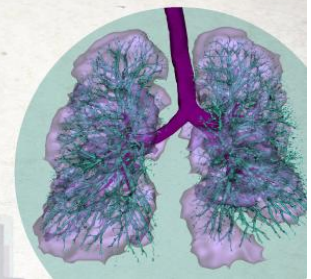
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<b>Group 3: Respiratory Horizons: New insights for Airway Health</b>		
<b>Moderators: Wafa Hassan, Mohit Bhutani</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
3	Prevalence and Risk Factors for Refractory and Resolved Chronic Cough in the Canadian Longitudinal Study of Aging (CLSA)	Wafa Hassan
27	Are Swallowing Difficulties in People with COPD Overlooked? Exploring Patient-Reported Symptoms	Renata Mancopes
28	Quantitative Evaluation of CT Airway Mucus-Plugs in Asthma, COPD, and Healthy Volunteers	Sam Tchermer
89	Biologic therapies in carefully selected patients with chronic obstructive pulmonary disease (COPD): a real-world evidence study	Claudia Leblanc
111	Top ten priorities for chronic cough: Canadian James Lind Alliance Priority Setting Partnership (CAN-COUGH)	Ana Oliveira
124	When Spirometry and Oscillometry Disagree	Daniel Lebovits
172	Experiences and Perceptions of Online Inhaler Education Among Patients with COPD and Asthma: A Qualitative Study	Dmitry Rozenberg
190	Airway autoantibody-triggered eosinophil extracellular traps modulates mucus biophysical properties	Yinglan Xie
201	Assessment of Online Educational Materials for Air Travel with Chronic Lung Disease	John Wu
208	Lost & Found COPD: Undiagnosed COPD Among Ontario Lung Screening Program Participants	Caoimhe McParland

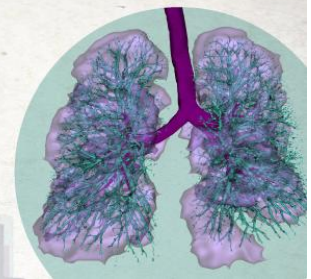
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<b>Group 4: Reshaping and Transforming COPD Outcomes</b>		
<b>Moderators: Alina Blazer, Lauren Singh</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
18	Indirect Treatment Comparison (ITC) of Mepolizumab and Dupilumab in Treating COPD	Jean Bourbeau
19	Mepolizumab is Efficacious in Patients with Chronic Obstructive Pulmonary Disease (COPD) Regardless of Airflow Obstruction Level: Post Hoc Analysis of the MATINEE Phase III Randomized Controlled Trial	Jean Bourbeau
58	Relationship Between Improvement in Lung Function and Patient-Reported Outcomes in Chronic Obstructive Pulmonary Disease with Dupilumab Treatment: Causal Mediation Analyses	Mena Soliman
69	Impact of COR Pulmonale in Patients Hospitalized with Acute Exacerbation of COPD: A Retrospective Cohort Study in Alberta	Alex E. Crentsil
82	Respiratory Muscles on Chest CT Provide Distinct and Complementary Predictive Value in COPD: Findings from the CanCOLD Study	Daniel Genkin
86	Effect of Sublingual Fentanyl on Breathlessness in COPD: A Randomized Cross-Over Trial	Jeff Marciniuk
119	Patient Evaluation and Treatment According to the Global Initiative for Chronic Obstructive Lung Disease (GOLD) ABE and the Canadian Thoracic Society (CTS): Lesson Learned from the Canadian Cohort Obstructive Lung Disease (CanCOLD)	Shabnam Abbaszadeh Ahranjani
143	Association Between Established Spirometry Diagnostic Criteria and Clinically Important Outcomes in COPD: Longitudinal Results from the CanCOLD Study	Suurya Krishnan
153	Young People with COPD have a Higher Relative Rate of Mortality than Older Individuals	Emily Thorburn-Winsor

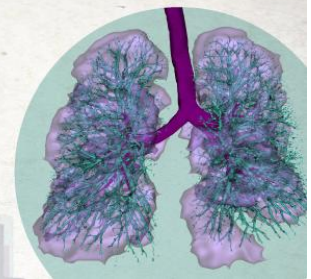
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<b>Group 5: Run, Breathe and Sleep: Caring For The Next Generation (Pediatrics)</b>		
<b>Moderators: Sophie Vallee-Smejda, Connie Yang</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
16	Evaluation of a Novel Pediatric Holding Chamber with Flow-Regulating Feedback	Adora Rooyackers
33	Novel Diagnostic Tools for Managing Pediatric Chronic Wet Cough: Assessing the Feasibility of Breath Collection and Analysis for Microbial Endotyping	Mostafa Hashemi
45	Airway Involvement in Conradi–Hünemann–Happle Syndrome: A Novel Clinical Manifestation	Enrique G. Villarreal
78	Adherence to Long-Term Non-invasive Ventilation in Children: A Systematic Review	Florence Birru
106	Evaluation of an asthma knowledge assessment tool to measure the effectiveness of comprehensive pediatric asthma education for improving asthma outcomes	Neel Thanavala
108	The Unexpected Culprit: Allergic Bronchopulmonary Aspergillosis in an Adolescent Without Airway Disease	José Fontoura-Matias
125	Exploring The Real-World Impacts of Biologic Therapy: Health Outcomes & Qualitative Findings Among Children & Adolescents with Severe Asthma	Rayna Rosenblood
171	Meta-analysis of exhaled nitric oxide (FeNO) for asthma diagnosis in adults and children	Morgane Gronnier
199	Comparing the Efficacy of Commercial Non-Invasive Ventilation Masks to Custom Non-Invasive Ventilation Masks for Children	Ritika Patel
200	A Cross-Sectional Survey of Canadian Pediatric Sleep Coaches: Training, Scope, Healthcare Integration and Business Models	Tasnim Youssef

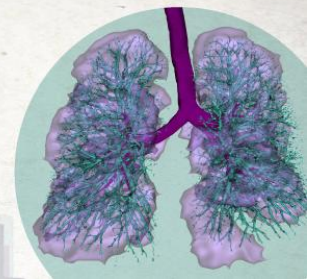
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<b>Group 6: Algorithmic Breaths: AI Advancements in Respiratory Care</b>		
<b>Moderators: Andrew Kouri, Evelyn Etruw</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
30	Automated Detection of Airway Mucus in Obstructive Lung Disease	Eveline Durom
40	NEBULA: Neural Network for Endobronchial Ultrasound Lung Lesion Assessment	Matt Warkentin
74	Can Medical Reasoning be Achieved by Artificial Intelligence: A Comparison of Large Language Models' Performance on Medical Licensing Preparatory Exams in Sleep Medicine	Brandon Luu
121	Using Smartphone-Captured Patient-Reported Outcomes Measures and Machine Learning to Predict COPD Symptom Trajectories	Brianne Philipenko
132	The Performance of a Machine Learning Algorithm for Interpretation of Spirometry in Community Practice	Massimo Catena
151	AI-Based Quantification of Coronary Artery Calcification and Emphysema on Low-Dose CT Scans in the Pan-Canadian Early Detection of Lung Cancer Study	Sadeeb Hossain
177	Artificial Intelligence for Incident Nodule Screening on Prior Radiographic Exams: An Application to Lung Cancer Patients in Alberta	Sarah Yeo
189	Comparative Performance of Large Language Models on Respiratory Medicine Self-Assessment Questions: Understanding the Impact of Structured Prompting	Brandon Luu
198	Assessment of the Quality and Reliability of Pulmonary Rehabilitation Websites using ChatGPT-5-Thinking	Nicholas Hua
211	Online Resources as a Source of Information and Instruction for Caregivers of Individuals with Advanced Pulmonary Disease	Alina Sami

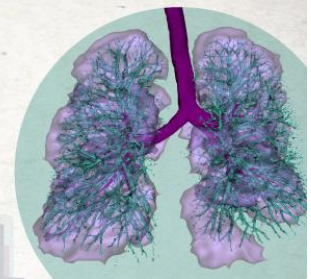
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<b>Group 7: Lungs for Life!: Rehabilitation and Management for Lung Health Longevity</b>		
<b>Moderators: Ray Aceron, Bryan Ross</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
56	The 1-Minute Sit-to-Stand Test to Predict 1-Year Mortality in Interstitial Lung Disease	Marianne Belley
99	Pulmonary Rehabilitation Lowers the Annual Risk of Exacerbations of COPD Regardless of 'Responder' Status: A Real-World Observational Study	Dan Nguyen
100	Can the 10-Second Maximal Isokinetic Cycling Test Predict Lower Extremity Large Muscle Adaptations from Pulmonary Rehabilitation Participation in Patients with COPD?	Dan Nguyen
101	Functional Performance Product and Muscle Oxygenation In COPD	Aslihan Cakmak-Onal
128	Measurement Properties of the Activity Measure for Post-Acute Care in Patients Previously Hospitalized for COVID-19	Christopher Farley
136	Breathe Sing Move! An innovative on-line program for people with respiratory concerns	Jessica DeMars
167	Comparative Utility of the 1-Minute Sit to Stand Test as a Measure of Pulmonary Rehabilitation Functional Capacity Response in Patients with COPD	David Fung
180	My Lung Health Coach – Supporting people in their respiratory health journey	Shirley Quach
186	Using Respirology Referral Patterns to Identify Gaps in Pediatric Asthma Management	Tamizan Kherani

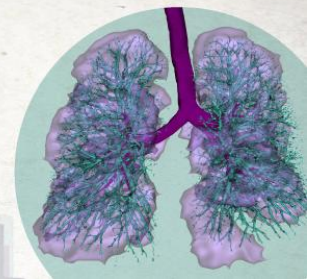
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<b>Group 8: Voices, Quality Improvement and Sustainability</b>		
<b>Moderators: Stacey Butler, Geneviève Digby</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
42	Outcomes of Enhanced Tobacco Cessation Support in the Alberta Lung Cancer Screening Pilot	Monica L Mullin
54	Choosing Green: Development of Conversation Aids for Climate Conscious Prescribing of Inhalers in Asthma and COPD	Stacey J Butler
72	Launching and Spreading an Organization-Wide Inhaler Recycling Project at an Academic, Tertiary Care Hospital: Insights from a Quality Improvement Project	Geneviève Digby
92	Living with Idiopathic Pulmonary Fibrosis (IPF): Unpacking the Shared Realities of Daily Life, Emotional Burden, and Finding the Way	Sharon Lee
94	Navigating the IPF Maze: A Mixed-Methods Patient Experience Study to Understand the Diagnostic Journey Exploring the Diverse Experience of Patients on their Path to IPF Diagnosis	Todd Georgieff
138	Reduce, Recycle, Reimagine: The Analysis of a Novel Inhaler Recycling Program	Zoe Garzouzi
146	The IDEAL approach to optimizing COVID-19 treatment by improving access and education of healthcare professionals and populations at highest risk	Maria Sedeno
154	Lung Cancer Screening for High-Risk Individuals in Alberta: Evaluation of the Pilot Alberta Lung Cancer Screening Program	Colby Regel
192	Impact of a Comprehensive Multidisciplinary Transitional Care Program on Hospital Readmissions and Emergency Visits in Patients with Chronic Obstructive Pulmonary Disease	Neha Mathur
193	What is Being Sold to Canadians to Help them Quit Smoking? A Quantitative Analysis of Smoking Cessation Products in Online Stores	Kaamraan Islam

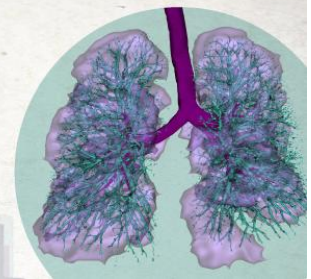
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<b>Group 9: Complex Pulmonary Disorders: ILD, Vascular and Rare Diseases</b>		
<b>Moderators: Kirsten Nessel, Veronica Marcoux</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
6	Oropharyngeal Administration of Bone Marrow-Derived Macrophages Resolves Established Fibrosis in a Murine Model of Interstitial Lung Disease	Sydney Joy
13	Implementation And Clinical Impact of a Sard-Ild Multidisciplinary Discussion Virtual Platform	Bohyung Min
76	Adenylyl Cyclase Dysfunction in Hypoxic Pulmonary Artery Smooth Muscle Cells: Does Gai Activity Play a Role?	Ahmed Al-Khaffaf
95	Inhalation Innovation: AURA-IPF Phase 2 Study Design of Inhaled Nintedanib in the Treatment of Idiopathic Pulmonary Fibrosis	Émilie Millaire
135	Right-to-Left Shunt Grade and Stroke Prevalence in Hereditary Hemorrhagic Telangiectasia: A Database Study	Logesh Selvakumar
150	Disruption of Caveolar Architecture and Adenylyl Cyclase 6 Signaling Under Hypoxic Conditions in Pulmonary Arterial Smooth Muscle	Vikram Bhatia
159	Pulmonary Arterial Hypertension Presenting During Pregnancy in ACVRL1 Associated Hereditary Hemorrhagic Telangiectasia: A Case Report	Rebecca Anderson
165	Treatment patterns in fibrotic ILD: Radiologic and clinical features that drive management decisions	Na'ama Avitzur
209	Elevated BMI in ILD is Associated with CT Signs of Small Airways Disease and a Diagnosis of Fibrotic Hypersensitivity Pneumonitis	Elizabeth Milosevic
214	Coronary and Pulmonary Vascular Imaging Markers as Predictors of Outcome in Fibrotic Interstitial Lung Disease	Fatema Al Lawati

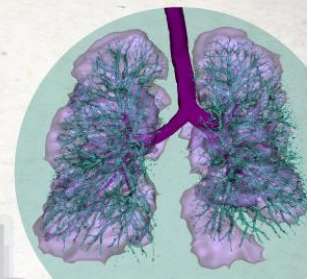
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<b>Group 10: The Air We Breathe: Environmental Exposures and Infections</b>		
<b>Moderators: Gillian Goobie, Mika Nonoyama</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
23	Decreased Pulmonary Exacerbations and Lower IV Antibiotic Usage Following Vanzacaftor-Tezacaftor-Deutivacaftor Treatment in People with CF with F508del-Minimal Function Genotypes	Emilio Arteaga-Solis
44	Development of a Comprehensive Canadian Bronchiectasis and Nontuberculous Mycobacterial Infections Clinical Database: A Prospective Multicenter Observational Cohort Study	Swathi Purighalla
59	Rapid and Clinically-Actionable Airway Microbiome Analysis to Guide Personalized Microbiome Modulation Therapy in Critical Illness	Colin MacKenzie
63	The Candid Truth about Candida in Cystic Fibrosis	Jack Burke-Gaffney
112	Cross-Kingdom Interactions Between Airway Candida Spp., Bacterial Pathogens Promote Ventilator-Associated Pneumonia	Kathryn Strayer
116	Associations Between Respiratory Abnormalities and Circulating Immune Mediators in Individuals Who Vape Daily: a VapALERT Study	Félix Tremblay
144	Transmission of Tuberculosis from Asymptomatic versus Symptomatic Pulmonary Tuberculosis Patients: A Population-based Retrospective Cohort Study in Canada	Angela Lau
157	Ozanimod, an S1P1 ligand, reduces pulmonary inflammation and favors a faster recovery in a mouse model of severe bacterial pneumonia	Olivier Courtemanche
183	Profiling of Individuals Who Vape Daily using Forced Oscillometry Technique	Judith Fortier
191	Incidence and Survival for Patients with Pneumocystis Pneumonia in Ontario, Canada	Omri A Arbiv

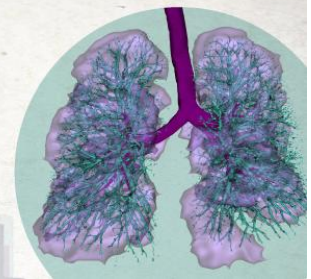
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<b>Group 11: Sleep, Muscle, Immunity: Pulmonary Perspectives</b>		
<b>Moderators: Joanna MacLean, Tetyana Kendzerska</b>		
<b>#</b>	<b>ABSTRACT TITLE</b>	<b>PRESENTING AUTHOR</b>
5	Digital Peer-Support for Family Caregivers of Individuals with Neuromuscular Disease: A Randomized Controlled Trial	Joseph Munn
11	Obstructive Sleep Apnea Measures by Body Weight Reduction: Post-hoc Analyses From SURMOUNT-OSA	Atul Malhotra
20	Exploring the causal relationship between chronic stress and sleep apnea in human populations using Mendelian randomisation	Richard Kinkead
43	PAP Therapy Adherence: Positive Preliminary 3-Month Outcomes for the cMAP® Intervention compared to APAP	Hamed Hanafi
47	Evaluation of Carbon dioxide and a synthetic surfactant (perflubron) in Eliminating Apneic Events in a Brown Norway Rat Model of Asthma	Mustafa Al-Saiedy
68	Modeling the Human Lung Microbiome on a Lung-on-a-Chip to Investigate Microbiome-Macrophage Dynamics in Bronchiectasis	Ariel Kim
73	Impact of Sex on the Development of Tertiary Lymphoid Structures and Expression of Immune Checkpoints in the Lungs	Emmanuelle Marinier
81	Effect of maternal sleep-disordered breathing on fetal health using ultrasonographic and doppler measurements	Hosam Abou-tok