Abstracts to be delivered at the 7th Annual ‘A Breath of Fresh Air’, Canadian Respiratory Conference, Calgary, Alberta April 24 to 26, 2014, alphabetized according to the surname of the first author. Full-text abstracts appear on the Canadian Respiratory Journal website

Abdelshaheed, Tamer; Brode, Sarah; Song, Howard; Avendano, Monica. A challenging case of extensively drug resistant tuberculosis (XDR-TB)

Adeleye, Adetayo; Brindle, Mary; Bailey, Michelle; Bjornson, Candice; Nettel-Aguirre, Alberto; Mitchel, Ian. PROTon Pump Inhibitor in Esophageal Atresia / Tracheoesophageal fistula: Dilatation Outcome study (PROTECT Study)

Algamdi, Mohammed; Ramsey, Clare; Bshoury, Zobeir. Defining the degree of obstruction in mixed obstructive restrictive lung disorder

Al-Saiedy, Mustafa; Pratt, Ryan M; Gunasekara, Lasantha; Todorov, Nikolay; Lam, Darren K; Amrein, Matthias W. Lipid peroxidation causes pulmonary surfactant dysfunction in the presence of physiological levels of cholesterol

Arnason, Jason; Shelloon, Chris; Jamieson, Kyla; Nikitenko, Sergei; Shariff, Sami; Kooi, Cora; Proud, David; Leigh, Richard. Co-infection with human rhinovirus and bacteria modulates the innate host response through the dysregulation of antimicrobial peptide expression

Brock, Michael; Pape, Cynthia; Mehta, Sanjay; Gill, Sean. Inflammatory macrophage polarization and apoptosis are dependent on metalloproteinase activity

Burkett, Andrew; Sekhon, Harman; Burkett, Craig; Anjadi, Kayvan. The role for conventional transbronchial needle aspiration in the era of endoscopic ultrasonography for assessment of mediastinal lesions

Camp, Pat; Tyler, LeGrear; Mark, LeGrear; Geoffrey, Wilson; Dejan, Preradovic; Ashley, Kirkham; Cristiane, Yamabayashi. A Nintendo Wii™ exercise program provides the same exercise demand as a treadmill session in adults with COPD: A randomized, within-subjects cross-over study

Castro, Maria; Toor, Raman; Yee, Christina; Peart, Tremayne; Serrano, Jesus; Buka, Irena; Wong, Jackson; Osorio-Vargas, Alvaro R. Children summer exposure to environmental tobacco smoke in Edmonton

Castro, Maria; Amirav, Israel; Majaesic, Carina. Congenital Pulmonary tuberculosis in two infants

Cave, Andrew; Brokop, Michael; Rowe, Brian; Wong, Eric; Senthuldevan, Ambikakapan; Alagakrishnan, Kannayiram. Ankle/brachial (ABI) measurement in COPD patients: A pilot study

Cave, Andrew; Johnson, David; Befus, Dean. Communities coming together: The Paediatric Asthma Pathway

Cave, Andrew; Chan, Valerie; Banh, Hoan. Osteoporosis prevention in inhaled corticosteroid users

Charbonneau, Catherine; Doherty, Dennis E; Tashkin, Donald P; Harrison, Tim W; Engel, Michael; Schmidt, Hendrik; Moroni-Zentgraf, Petra; Kerstjens, Huib AM. PrimoTimA-Asthma™ abstract: Improvements in lung function with tiotropium as add-on controller therapy to ICS+LABA for patients with symptomatic severe asthma

Cunic, Nela; Pendharkar, Sachin; Fell, Charlene D. Opportunities to improve efficiency in an academic pulmonary clinic

Cummins, Lorna; Loewen, Andrea; Tye, Raymond; Hanly, Patrick J; Fraser, Kristin L. Non-invasive ventilation for the restricted thorax: Effects of ventilator modality on quality of life

 Gamble, James; Wise, R; Ansaeto, A; Cotton, D; Dahl, R; Devins, T; Diss, B; Dusser, D; Joseph, E; Kattenbeck, S; Koenen-Bergmann, M; Pledger, G; Calverley, P. TIOSPIR: Safety and efficacy trial of Tiotropium Respimat versus HandiHaler in COPD

Goodridge, Donna; Bailey, Pat. Navigating the complexities of discharge: Stories of patients with COPD

Harkness, Howard; Meyer, A; Costella, S; Morton R; Suggett, J; Mitchell, JP. Assessment of oscillating positive expiratory pressure (OPEP) devices by means of adult expiratory waveforms: A laboratory study

Harkness, Howard; Suggett, J; Mitchell, JP; Avekoumova, V; Schneider, H; Ali, R; Nagel, MW. Combining inhalation by a breath-actuated nebulizer (BAN) with exhalation with oscillating positive expiratory pressure device (OPEP) offers potential for simultaneous therapy: A laboratory study

Hiram, Roddy; Riccallah, Edmond; Sirois, Chantal; Sirois, Marco; Morin, Caroline; Rousseau, Eric. Influence of resolvin D1 and MAG-DPA on hyper-reactive human pulmonary arteries

Hirani, Naushad; Raghuvai, Faizal; Kemp, Kristina; Mehta, Sanjay. Inhaled nitric oxide for community acquired pneumonia: A pilot randomized controlled trial

Ip, Ada; Asmooah-Barnieh, Raymond; Bischak, Diane P; Davidson, Warren J; Flemons, W Ward; Pendharkar, Sachin R. Using process improvements to guide pulmonary function scheduling policies at the Foothills Medical Centre

Iqbal, Humaira; Wong, Eric; Puttagunta, Lakshmi; Chinhmaa, Artro; Nguyen, Thanh; Kalluri, Meena. Cost analysis of intra procedural rapid on site evaluation (ROSE) of cytopathology with endobronchial ultrasound (EBUS)

Jimenez, Ricardo; Zhang, TingTing; Lau, Hou; Smith, Anne; Carleton, Bruce C. Effects of changing from suboptimal to optimal asthma regimens on asthma-related health services utilization

Jimenez, Ricardo; Zhang, TingTing; Lau, Hou; Smith, Anne; Carleton, Bruce C. Prevalence of childhood asthma and asthma-related health services utilization in the province of British Columbia, Canada

Kalluri, Meena; Bienert, Sharon; Richman-Eisenstat, Janice. Collaborative approaches to managing advanced idiopathic pulmonary fibrosis

Kherani, Tamizan; Syed, F; Daniels, C; Moraes, TJ; Amin, R. Unique issues surrounding bi-level positive airway pressure (BiPAP) adherence: A case report of four siblings diagnosed with congenital central hypoventilation syndrome (CCHS)

LaBranche, Jennifer; Nahiniak, Susan; Vetharanayagam, Dilini. Impact of hereditary hemorrhagic telangiectasia with associated arteriovenous malformations and co-expression of bleeding disorders
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Lane-Laretta, Cheryl; Lazarescu, Adriana; Kapasi, Ali; Kalluri, Meena. Gastroesophageal reflux and lung function in patients with idiopathic pulmonary fibrosis

Lawson, Joshua; Rennie, Donna Carole; Zhou, Guangming; Neumann, Jan; Goodridge, Donna. A profile of children with asthma as a reason for participation and activity limitation in a national sample of Canadians

Lougheed, Diane; Killorn, Katie R; Dostaler, Suzanne M; Groome, Patti A. Assessment of the use of a work-related asthma screening questionnaire in a primary care asthma program

McLarry, Ryan; Husein, M; Macrae, D; Radhakrishnan, A; Radhakrishnan, DK. Oximetry versus clinical risk assessment: Which is best? Predicting respiratory complications post adenosintolylctomy for obstructive sleep apnea in children

Mehta, Sanjay; Hirani, Naushad; Granton, John; Levy, Robert; Provencher, Steeve; Galié, Nazareno; Rubin, Lewis; Simonneau, Gérard. Impact of macitentan on health-related quality of life in pulmonary arterial hypertension: Results from the randomized controlled SARPHEIN trial

Mesbahi, Amanda; Delorme, Jocelyn; Rakovich, George. Therapeutic challenges in complicated acute pulmonary histoplasmosis

Minor, Danielle; Travas, Suzanne L; Proud, David. Regulation of human airway epithelial to mesenchymal transition upon rhinovirus infection

Nguyen, Loan; Dolovich, Myrna; Vethanayagam, Dilini. Take my breath(lessness) away: Do inhaled medication device delivery systems matter in asthma?

Nguyen, Sébastien; Lemiére, Catherine; Sava, Francesco; D’Alpaos, Vinciane; Vandenplas, Olivier. Phenotypes of occupational asthma agents with an increase in FeNO levels after exposure to occupational agents

Nicholl, David; Hanly, PJ; Handley, GB; Hemmelgarn, BR; Poulin, MJ; Sola, DY; Ahmed, SB. Treatment of obstructive sleep apnea with continuous positive airway pressure decreases intraglomerular pressure and alters renal sensitivity to angiotensin II

Nikitenko, Sergei; Shariff, Sami; Arnason, Jason; Shelfoon, Chris; Koo, Cora; Proud, David; Leigh, Richard. “Cyclic stretch augments human rhinovirus induced neutrophil chemoattractant expression in airway epithelial cells”

Padua, Rodel; Davidson, Warren J; Bronconier, Cindy; Nesworthy, Mary. Pediatric-to-adult asthma transition program: A randomized trial

Paquin, Susan; Beaupré, Alain; Landry, Louise; Lefrançois, Émilie; Nault, Diane; Paquin, Susan; St-Jules, Danielle. Telehomecare for patients with chronic pulmonary disease: The experience of a Canadian second line respiratory specialty care service

Polisena, Julie; Goldstein, Roger. The clinical effectiveness of home telehealth for COPD and chronic disease management

Povitz, Marcus; Loewen, AHS; Tsai WH. Technical feasibility and clinical utility of polysomnography in patients with motor neuron disease

Qureshi, Abid; Shariff, Sami; Nikitenko, Sergei; Arnason, Jason; Shelfoon, Chris; Goring, Kim; Travas, Suzanne; Proud, David; Leigh, Richard; Kelly, Margaret. Exposure of human bronchial epithelial cells to house dust mite allergen mediates human airway smooth muscle cell chemotaxis

Rennie, Donna; Hagel, Louise; Karunanayake, Chandima; Dosman, James A; Lawson, Josh A; Pickett, William; Pahwa, Punam. Access to health care and the respiratory health of household members in rural Saskatchewan: The Saskatchewan Rural Health Study

Reppucci, Diana; Al-Saleh, Suhail; Hamilton, Jill; Yeh, Ann; Katz, Sherri; Narang, Indra. Polysomnography findings in children with suspected rapid-onset obesity with hypothalamic dysfunction, hyperventilation and autonomic dysregulation (ROHHAD): A Canadian case series study

Robles, Priscila; Araujo, Tamara; Janaudis-Ferreira, Tania; Zabjek, Karl; Marzolini, Susan; Goldstein, Roger; Brooks, Dina; Mathur, Sunita. Metabolic cost of resistance-based exercise training in people with COPD: Preliminary results

Roy Richard, Eliane; Rakovich, G; Chagnon, K. Medical management of necrotizing bacterial lung infection: Review of cases

Shariff, Sami; Nikitenko, Sergei; Qureshi, Abid; Arnason, Jason; Shelfoon, Chris; Travas, Suzanne; Proud, David; Leigh, Richard. Human rhinovirus infection of human bronchial epithelial cells results in migration of human airway smooth muscle cells

Sharma, Neha; Al-Mokali, Khamila; Sayal, Priya; Skitch, Amy; Narang, Indra; Harvey, Elizabeth; Amin, Reshma. The prevalence of sleep disordered breathing in a pediatric cohort with chronic kidney disease

Shelfoon, Christopher; Travas, Suzanne; Proud, David. Human rhinovirus infection of human bronchial epithelial cells induces release of chemoattractants for fibroblasts

Sidhu, Navkiran; Lee, Li Hang; Naert, Karen; Schneider-MacRae, Nicole; Kelly, Margaret M. Increased immunoglobulin-G4 plasma cells in Chung-Strauss disease

Skiba, Javaria; Guo, Lancia; Tadros, Remon; Mathison, Kirk; LeClercq, Sharon; Elliot, Tracy; Fell, Charlene D. Mycophenolate mofetil in interstitial lung disease due to connective tissue disease

Stewart, Samuel Alan; McCrae, Scott; Reid, John; Gjevre, John; Fenton, Mark; Cotton, David; Skomro, Robert. Impact of level III home testing on overall wait times at a tertiary sleep disorders center

Szabo, Lian; Leigh, Richard. The association between asthma sputum phenotypes and body mass index

Szmukier, Zuzanna; Richeldi, L; Brown, KK; Costabel, U; Flaherty, KR; Kim, DS; Noble, PW; Raghu, G; Selman, M; Brun, M; Klüglich, M; Staines, H; du Bois, RM. Efficacy of the tyrosine kinase inhibitor nintedanib (BIBF 1120) in patients with IPF: Consistent pattern of primary endpoint results in sensitivity analyses of the TOMORROW trial

Szmukier, Zuzanna; Brown, KK; Richeldi, L; Costabel, U; Flaherty, KR; Kim, DS; Noble, PW; Raghu, G; Selman, M; Brun, M; Klüglich, M; Staines, H; du Bois, RM. Treatment of IFF with the tyrosine kinase inhibitor nintedanib (BIBF 1120): Patient-reported outcomes in the TOMORROW trial

van der Wetering, Shirley; Courney, Kathy; Ford, Ambris; Frost, Diane; Hegland, Sue; Little, Cinde; Olson, Val; Nesworthy, Mary. Community pediatric asthma service: Control Asthma Now! The Keys to Asthma Self-Management

Vasilescu, Dragoș; Koo, Hyun-Kyoung; Scott, Anna E; Warner, Jane A; Sinclair, Ian; Hogg, James C; Hackett, Tilly-Louise. MicroCT analysis of paraffin embedded lung tissue: Is small airway obstruction an early feature of COPD?

Vethanayagam, Dilini; de Guzman, Iris; Manchak, Amy; Okogun, Solomon; Amelia, Josephine; Kostitzky, Darcy. Experience of respirology clinical telehealth services in Northern Alberta

Warner, Stephanie; Shaheen, F; Hallstrand, TS; Knight, DA; Hackett, TL. Impaired Ciliary Differentiation of airway epithelial cells from asthmatics with and without exercise-induced bronchoconstriction

Watling, Laura; Avendaño, M; Goldstein, R; Bautista, Carlos; Kohli, Raj. West Park Healthcare Centre’s Transitional Home Ventilation Program

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Weatherald, Jason; Rapske, Scott; Szabo, Lian; Kelly, Margaret M; Martin, Liam. Pulmonary sarcoid-like granulomatosis during etanercept treatment for inflammatory arthritis: A report of five cases

Weatherald, Jason; Fell, Charlene D. Trends in diagnosis and management of idiopathic pulmonary fibrosis: A survey of Canadian respirologists

Zalucky, Ann; Nicholl, David DM; Hanly, Patrick J; Handley, George; Poulin, Marc J; Walji, Shahebina; Sola, Darlene Y; Ahmed, Sofia B. The effect of sustained and intermittent hypoxia on renal renin angiotensin system activity in patients with obstructive sleep apnea

Zalucky, Ann; Nicholl, David DM; Hanly, Patrick J; Handley, George; Poulin, Marc J; Walji, Shahebina; Sola, Darlene Y; Ahmed, Sofia B. The effect of nocturnal hypoxia on the systemic vascular response to angiotensin II infusion in patients with obstructive sleep apnea

Zweerink, Allison; Moraes, Theo; Amin, Reshma. Prevalence of PHOX2B mutations in a cohort of children presenting with central hypoventilation and clinical phenotype of PHOX2B positive children