

2014 Pulmonary Disease/Critical Care Medicine Scholarly Activity

Book Chapters

Dhand R, McCormack M. “Bronchodilator Therapy.” *Oxford Textbook of Critical Care*. Ed. Andrew J. Webb. Oxford: Oxford University Press. Submitted September 2013. Accepted for publication Spring 2014

Dhand R. “Inhaled Anti-Cancer Agents.” In: *Frontiers in Pulmonary Delivery*. Hak-Kim Chan and Philip Kwok, editors. Future Science. Accepted May 2014

Publications

Khan F, Obenour R. Coal worker’s pneumoconiosis. *MedScape*. 2014 March. <http://emedicine.medscape.com/article/297887-overview>

Murphy K, **Dhand R**, Trudo F, Uryniak T, Aggarwal A, Eckerwall G. Therapeutic equivalence of budesonide/formoterol via breath-actuated vs pressurized metered-dose inhaler. **Respiratory Medicine**. (submitted)

Abstracts

Murphy KR, **Dhand R**, Trudo F, Uryniak T, Aggarwal A. Therapeutic equivalence of budesonide/formoterol (BUD/FM) breath-actuated inhaler (BAI) compared with BUD/FM pressurized metered-dose inhaler (pMDI) in adults and adolescents with moderate to severe asthma. Published in the proceedings of the 2014 American Academy of Allergy, Asthma, and Immunology (AAAAI) Annual Meeting: San Diego, CA February 28-March 4, 2014

Clinical Trials

DOM Research Grants and Contracts:

2012-2014 Principal Investigator: **Dhand R.**
 Co-investigators: Eda S, and **Tsapenko A.**
 An adaptable rapid assay system to detect levels of circulating D-dimer protein for suspected pulmonary embolism.
 Physicians’ Medical Education and Research Foundation
 April 30, 2012 – April 30, 2014
 Amount: \$9,250.00 (Funded)

- 2013-2015 Principal Investigator: **Dhand R.**
Co-investigators: Ellis, C, and **McCormack M.**
A prospective, randomized, double-blind, placebo-controlled, multicenter study to evaluate the safety and efficacy of BAY 41-6551 as adjunctive therapy in intubated and mechanically ventilated patients with gram-negative pneumonia (Protocol No.: 13084).
Bayer HealthCare Pharmaceuticals
Dates: 6/6/2013 – 3/31/2015
Amount: \$184,814.00
- 2014 Principal Investigator: **Dhand R.**
Co-investigators: Ellis C, and **McCormack M.**
An open label randomized, cross over pilot study comparing the efficacy of nebulizers versus dry powder inhalers in the treatment of patients recovering from severe exacerbations of chronic obstructive pulmonary disease (COPD).
Mylan Pharmaceuticals
Amount: \$183,202.01
July 14, 2014
- 2014 Principal Investigator: **Dhand R.**
Co-investigators: **McCormack M, Dudney T, Branca P,** Ellis C, Naqshbandi S, Sheikh N, Aslam, K, Khan F, and Modi D.
A randomized double-blind, placebo-controlled, parallel group, phase 2 study of aerosolized amikacin and fosfomycin delivered via the Investigational eFlow® Inline System in mechanically ventilated patients with gram-negative bacterial pneumonia (IASIS). Cardeas.Pharma Corp.
Dates: 3/21/2014 – 3/20/2015
Amount: \$99,688.00
- 2014 Principal Investigator: **Branca P.**
Co-investigators: **Dhand R, McCormack M, Shamiyeh J**
Clinical Research Coordinator: Lauren Davis
A prospective, randomized, controlled, multicenter clinical study to evaluate the safety and effectiveness of the IBV© valve system for the single lobe treatment of severe emphysema.
Spiration, Inc.
Dates: 7/1/13-6/30/14
Amount: \$1,004,653.70
F&A: 30%

Presentations

Murphy K, **Dhand R**, Trudo F, Uryniak T, Aggarwal A. Therapeutic Equivalence of Budesonide/Formoterol (BUD/FM) Breath-Actuated Inhaler (BAI) Compared with BUD/FM Pressurized Metered-Dose Inhaler (pMDI) in Adults and Adolescents with Moderate to Severe Asthma. Poster presentation at 2014 American Academy of Allergy, Asthma and Immunology: San Diego, CA February 28-March 4, 2014

Invited Lectures

Sheikh N, Saadia N, Naqshbandi S, Aslam K, McCormack M. Acute Invasive pulmonary aspergillosis in immunocompetent host without underlying lung disease. Oral presentation at 2014 CHEST World Congress. March 21-24, 2014

Sheikh N, Modi D, McCormack M. Meningocele mimicking loculated pleural effusion; pleural drain placement. Oral presentation at 2014 CHEST World Congress. March 21-24, 2014

Clinical Study

Dhand R, Dhand U, Hecht J, Davis L (Coordinator): Muscle Weakness in Hospital Patients with Medical Illnesses: Prevalence, Phenotypes, and their Influence on Patient Outcomes: A Pilot Study. October 2, 2013-present