

2013 Pulmonary Disease/Critical Care Medicine Scholarly Activity

Book Chapters

Dhand R, McCormack M. “Bronchodilator Therapy” In: *Oxford Textbook of Critical Care*. Oxford University Press. September 2013

Publications

Manzoor K, Dudney T, McCormack M, Dieter R. Pleural Biopsy. *eMedicine Clinical Procedures*. Available at <http://emedicine.medscape.com/article/1894279-overview> 22 July 2013

Dhand R. The cough that won't quit. *Audio-Digest Internal Medicine*, Volume 60, Issue 23, 21 June 2013. ISSN 0271-1303

Tsapenko MV, Herasevich V, Mour GK, **Tsapenko AV**, Comfere TB, Mankad SY, Cartin-Ceba R, Gajic O, Albright RC. Severe sepsis and septic shock in patients with pre-existing non-cardiac pulmonary hypertension: contemporary management and outcomes. *Crit Care Resusc*. 2013 Jun 15(2): 103-9. PMID: 23931041

Kravitz JN, Berry MW, Schabel SI, Judson MA. A modern series of percutaneous intracavitary instillation of amphotericin B for the treatment of severe hemoptysis from pulmonary aspergilloma. *Chest*. 2013 May 1;143(5):1414-21. PMID: 23117277

Research and Other Support

Bruce Ludwig, MD, PI, Clinical studies involving the use of lumacaftor (VX-809) and ivacaftor (VX-770) in patients homozygous for F508del-CFTR gene mutation who are 12 years of age and older. Vertex Pharmaceuticals Incorporated (no budget required), 01/18/2013

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.

Clinical Trials

DOM Research Grants and Contracts:

- 2013 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: 2013-2015
Amount: \$258,000
- 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: \$139,000.00 (Submitted April 2013)
- 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%
- 2012 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)

Presentations

Dhand R. Issues in Delivery of Aerosolized Antibiotics to Mechanically Ventilated Patients. Presented at Chest 2013 Annual Assembly: Chicago, IL October 27-30, 2013

Dake A, **Dhand R.** Invasive Aspergillosis in Hyperimmunoglobulin E Syndrome. Poster presentation at American College of Physicians 2013 Tennessee Chapter Scientific Meeting: Franklin, TN October 18-19, 2013

Tsapenko A. Role of Diastolic Heart Dysfunction on Clinical Course of Patients with Acute COPD Exacerbation with Positive Pressure Ventilation Requirements. Presented at 2013 Residents' and Fellows' Research Day—UT Graduate School of Medicine: Knoxville, TN, May 29, 2013

Dhand R. Factors Influencing Aerosol Delivery in Patients Receiving NIPPY with an Emphasis on the Role of Humidity. Presented at 19th Congress of the ISAM: Chapel Hill, NC. April 6-10, 2013

Dhand R. Hot Topics: New Devices and Emerging Therapies. International Society of Aerosols in Medicine 19th World Congress: Chapel Hill, NC April 6-10 2013

Dhand R. The Cough That Won't Quit: How to Manage It. Annual Medicine Conference: Optimizing Patient Care for a Changing Population. Presented at UT Conference Center: Knoxville, TN March 1-2, 2013

Manzoor K, Gilani S, Dudney T, Shamiyeh J. Lactic Acidosis Due to Small Cell Carcinoma of the Lung. Accepted for presentation at ATS 2013

Invited Lectures

Kravitz J. Diffuse Parenchymal Lung Disease. March 26, 2013

Faculty Development

Dr. Tina Dudney - Dean's Retreat at University of Tennessee Graduate School of Medicine

Dr. Tina Dudney - GME Leadership Retreat in Franklin, TN

Dr. Rajiv Dhand - Mini-Course in Lean for Healthcare. University of Tennessee Medical Center Knoxville, TN