

2016 Pulmonary Disease/Critical Care Medicine Scholarly Activity

Book Chapters

Dhand R. “Inhaled Anticancer Agents.” In: *Advances in Pulmonary Drug Delivery*. Hak-Kim Chan and Philip Kwok, editors. CRC Press, LLC, Taylor and Francis Group, December 2016, Chapter 5, p 67-92

Dhand R, McCormack M. “Bronchodilators in Critical Illness.” *Oxford Textbook of Critical Care*; 2nd Ed. Andrew J. Webb. Oxford Medical Publications; Oxford University Press, Oxford, 2016, p 144-147

Book Editor

Wang KP, Mehta A, **Turner JF**, (eds). *Flexible Bronchoscopy*, 3rd edition (Chinese translation). Blackwell Science - Publication, ©2016

Publications

Hohenforst-Schmidt W, Zarogoulidis P, Steinheimer M, Rupprecht H, Vogl T, **Turner JF**, Browning R, Tsakiridis K, Huang H. A new endobronchial ultrasound (EBUS) application for benign and malignant pericardial effusion (PE) aspiration: Transbronchial pericardial effusion aspiration (TPEA) with a regular EBUS transbronchial (TBNA) needle under apneic nasal jet-catheter ventilation. *J.Biomed.* 2016 Sep (1):9-25. doi: 10.7150/jbm.16945

Hohenforst-Schmidt W, Zarogoulidis P, Pitsiou G, Linsmeier B, Tsavlis D, Kioumis I, Papadaki E, Freitag L, Tsiouda T, **Turner JF**, Browning R, Simoff M, Sachpekidis N, Tsakiridis K, Zaric B, Yarmus L, Baka S, Stratakos G, Rittger H. Drug eluting stents for malignant airway obstruction: A critical review of the literature. *J Cancer.* 2016 Jan 13;7(4):377-90. doi: 10.7150/jca.13611. eCollection 2016. Review. PMID: 26918052

Published Abstracts

Braman SS, Carlin BW, **Dhand R**, Hanania NA, Mahler DA, Ohar JA, Pinto-Plata V, Shah T, Turenne M, Eubanks D. Results of a pulmonologist survey regarding attitudes and practices with inhalation devices for COPD. B43. COPD: PHENOTYPES AND CLINICAL OUTCOMES, 2016: A7816, 10.1164/ajrccm-conference.2016.193.1_MeetingAbstracts.A7816

Dhand R, Wang H, **McCormack M**, Church D, Elder S, **Turner JF**. Effects of circuit humidity and body posture on aerosol delivery to the lower respiratory tract during simulated adult noninvasive ventilation. (Submitted)

Dhand R, Wang H, McCormack MT, Elder CS, Church D, Turner JF. Comparison of aerosol delivery during simulated adult noninvasive positive pressure ventilation: Nebulizer versus pressurized metered-dose inhaler. C52. CRITICAL CARE CASE REPORTS: RESPIRATORY FAILURE/MECHANICAL VENTILATION, 2016: A5343, 10.1164/ajrccm-conference.2016.193.1_MeetingAbstracts.A5343

Singh A, Turner JF, Dudney T, Sneed G, Gaines T, Snidow J. Massive hemoptysis associated with aberrant blood supply and left lower lobe cystic mass in a patient on Prasugel. *ATS Journals* 2016. http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2016.193.1_MeetingAbstracts.A3278

Turner JF, McCormack M, Singh A, Gordon V. An uncommon recurrent pleural effusion: Case report and review of the literature. World Congress for Bronchology and interventional Pulmonology & World Congress for Bronchoesophagology; Abstract ID #183; May 2016. (Publication pending)

Turner JF, Dudney T, Sehgal R, Callison C, Browning RB, Parrish S. Rare and orphan lung diseases: Pulmonary calcification. World Congress for Bronchology and Interventional Pulmonology & World Congress for Bronchoesophagology; Abstract ID #244; May 2016. (Publication pending)

Editorial Appointments

R Dhand MD - Editor-in-Chief, *ISAM Textbook of Aerosol Medicine*

Editorial Boards

R Dhand MD - *Journal of Aerosol Medicine*, Mary Ann Liebert, Inc

R Dhand MD - *Respiratory Care*, American Association of Respiratory Care

R Dhand MD - *International Journal of COPD*, Dove Press, Ltd

R Dhand MD - *Advances in Therapy*, Springer Healthcare Ltd

R Dhand MD - *Journal of Molecular and Translational Research*, JMTR Publications, LLC

JF Turner MD - *PLEURA*, Sage Publications; *Annals of Occupational & Pulmonary Medicine*

JF Turner MD - Ad Hoc Reviewer: *Journal of Thoracic Oncology*; *Journal of Thoracic Diseases*; *Journal of Bronchology and Interventional Pulmonology*; *Chest*

Research and Other Support

Singh A, Turner JF, Ferrell AS, Das A. Effect of specific educational intervention on house staff's competency and confidence in interpreting the basic chest imaging in intensive care settings (Submission reference #: 527411)

Faculty Awards

JF Tuner MD - The Leading Physicians of the World - October 2016 Top Pulmonologist in Knoxville, TN

Clinic Trials

DOM Research Grants and Contracts:

- 2013-2016 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 – Closed 3/2016
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
Dates: July 14, 2014 – Closed during 2016
Amount: \$183,202.01
- 2014-2016 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 – 7/6/2016
Amount: \$99,688.00

- 2013-2017 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: 7/1/13-5/6/2017
Amount: \$1,004,653.70
F&A: 30%
- 2013-2016 Principal Investigator: **Dhand R.**
Co-investigators: Dhand U, Hecht J
Clinical Research Coordinator: Lauren Davis
Muscle Weakness in Hospital Patients with Medical Illnesses: Prevalence, Phenotypes, and their Influence on Patient Outcomes: A Pilot Study.
Dates: 10/2/13-3/2016
- 2016-Present Principal Investigator: **Dhand R.**
Co-investigators: Acuff S, Akpa B, Hecht J, Heidel E, Martin E, **McCormack M**, Osborne D, Rule K, Singh A, Wall J, Williams A, Zeng R.
Clinical Research Coordinator: Jennifer Ferris
Muscle Weakness in Hospital Patients with Medical Illnesses: Prevalence, Phenotypes, and their Influence on Patient Outcomes: A Pilot Study.
Dates: 8/2016-Present

Presentations

Weiss GJ, Cocking J, Bilagody C, Hornstra HM, Kaufman E, Nader DA, **Turner JF**, Chandrika S, Caporaso JG, Keim P, Harmon B, Barilla H, Pearson T. Final analysis of lung microbiome from patients undergoing bronchoscopy. Poster presentation at the 17th World Conference on Lung Cancer of the International Association for the Study of Lung Cancer: Vienna, Austria December 4-7, 2016

Branca, P. The evaluation and management of the patient with a pulmonary nodule: Interventional pulmonology update. Presented at Heart, Lung, Vascular Update for Primary Care Providers: Knoxville, TN November 4, 2016

Callison, JC. The evaluation and management of the patient with cough. Presented at Heart, Lung, Vascular Update for Primary Care Providers: Knoxville, TN November 4, 2016

Singh A, Callison C, Dudney T, McCormack M, Turner JF. A rare case of synchronous bilateral pulmonary neuroendocrine tumor with successful endobronchial debridement. Presented at American College of Chest Physicians: Los Angeles, CA October 22-26, 2016

Singh A, Dewald J, Schriver EE, McCormack MT, Dudney TM, Turner JF. An unusual case of encephalopathy in a critically ill patient. Presented at American College of Chest Physicians: Los Angeles, CA October 22-26, 2016

Singh A, Dudney TM, McCormack MT, Turner JF. Swyer James Syndrome: An unusual masquerader of pulmonary embolism. Presented at American College of Chest Physicians: Los Angeles, CA October 22-26, 2016

Lakkakula V, Ehlers AC, Turner J, Singh A, Carlson ER. Cervicofacial emphysema: A rare complication following nasotracheal intubation. Poster presented at the 17th Southern Hospital Medicine Conference: Atlanta, GA October 13-15, 2016

Turner, JF. Update on lung cancer screening. Presented at Cherokee County Club: Knoxville, TN October 6, 2016

Turner, JF. Focus on lung cancer. Presented at Sevier County Rotary Club: Sevierville, TN October 4, 2016

Osman M, Callison J, Duncan L. Establishing a safe and patient centric pathology reporting process for submission of multiple specimens obtained from a bronchoscopy procedure. Presented at College of American Pathologists, CAP16 The Pathologists' Meeting: Las Vegas, NV September 25-28, 2016

Sehgal RK, Singh A, Turner JF. Bilateral endobronchial typical carcinoid with bronchoscopic therapy: A retrospective evaluation. Presented at International Association for the Study of Lung Cancer: Chicago, IL September 22-24, 2016

Turner, JF. Focus on lung cancer. Presented at Anderson County Rotary Club: Clinton, TN August 9, 2016

Gordon VHL, Dudney T, Dhand R, Shamiyeh J, Heidel RE. Total sleep time strongly correlate with self-reported hospital admissions: An inpatient COPD cohort survey. Presented at SLEEP: Denver, CO June 11-15, 2016

Braman S, Eubanks D, Carlin B, Dhand R, Hanania N, Mahler D, Ohar J, Pinto-Plata V, Shah T, Turenne M. Results of a pulmonologist survey regarding attitudes and practices with inhalation devices for COPD. Presented at American Thoracic Society International Conference: San Francisco, CA May 13-18, 2016

Singh A, Turner JF, Dudney T, Sneed G, Gaines T, Snidow J. Massive hemoptysis associated with aberrant blood supply and left lower lobe cystic mass in a patient on Prasugel. Presented at American Thoracic Society International Conference: San Francisco, CA May 13-18, 2016

Turner JF. Massive hemoptysis associated with aberrant blood supply and left lower lobe cystic mass in a patient on Prasugel (Poster presentation at American Thoracic Society International Conference: San Francisco, CA May 13-18, 2016

Wang H, **Dhand R, Turner JF, McCormack MT,** Chantal D, Church JD, Elder S. Comparison of aerosol delivery during simulated adult noninvasive positive pressure ventilation: Nebulizer versus pressurized metered-dose inhaler; C52-Critical Care Case Reports: Respiratory Failure/Mechanical Ventilation; Thematic Poster Session; ID 11301. Presented at American Thoracic Society International Conference: San Francisco, CA May 13-18, 2016

Alba Yunen R. An unusual case of brain abscess complicating foreign body aspiration in an adult. Presented at Resident and Fellow Research Day: UTMCK Knoxville, TN May 12, 2016 (3rd Place)

Alba Yunen R, Bertoli R, Branca P. A unique case of tumor track seeding following bronchoscopic fiducial marker placement. Presented at 19th World Congress for Bronchology and Interventional Pulmonology / World Congress for Bronchoesophagology: Florence, Italy May 8-11, 2016

Turner JF, McCormack M, Singh A, Gordon V. An uncommon recurrent pleural effusion: Case report and review of the literature. Presented at 19th World Congress for Bronchology and Interventional Pulmonology / World Congress for Bronchoesophagology: Florence, Italy May 8-11, 2016

Turner JF, Dudney T, Sehgal R, Callison C, Browning RB, Parrish S. Rare and orphan lung diseases: Pulmonary calcification. Presented at 19th World Congress for Bronchology and Interventional Pulmonology / World Congress for Bronchoesophagology: Florence, Italy May 8-11, 2016

Turner JF, Chair. Transbronchial needle aspiration, endobronchial ultrasound-transbronchial needle aspiration, and endoscopic ultrasound (bronchoscopy) transbronchial needle aspiration. Presented at 19th World Congress for Bronchology and Interventional Pulmonology / World Congress for Bronchoesophagology: Florence, Italy May 8-11, 2016

Morris JC, Callison JC, Aljadir D. Rare breast metastasis in a patient with atypical pulmonary carcinoid and a follicular Hürthle cell thyroid nodule. Presented at American College of Physicians Internal Medicine Meeting: Washington, DC May 5-7, 2016

Winbigler JA, Wehber AA, Allderdice C, **Shamiyeh J**. Sepsis masked by initial trauma presentation: A case illustrating physician bias. Presented at Society of Hospital Medicine Annual Meeting: San Diego, CA March 6-9, 2016

Invited Lectures

Dr. Rajiv Dhand - Evolution of nebulizers for inhalation therapy. Cipla India Ltd: New Delhi, India December 18, 2016

Dr. Rajiv Dhand - Evolution of nebulizers for inhalation therapy. Cipla India Ltd: Bengaluru, India December 17, 2016

Dr. Rajiv Dhand - Evolution of nebulizers for inhalation therapy. Cipla India Ltd: Mumbai, India December 16, 2016

Dr. Rajiv Dhand - Consensus towards use of nebulized antibiotics in clinical practice. Cipla India Ltd: Mumbai, India December 16, 2016

Dr. J Francis Turner - Keynote Speaker. Bronchoscopic interventional diagnosis and treatment for central lung cancer. 7th Shanghai Oriental Respiratory Disease International Forum (7th SORF): Shanghai, China November 19-20, 2016

Dr. J Francis Turner - Keynote Speaker. 7th Shanghai Oriental Respiratory Disease International Forum (7th SORF): Shanghai, China November 19-20, 2016

Dr. J Francis Turner - Spray cryotherapy for airway stenosis-Case reviews from America. 7th Shanghai Oriental Respiratory Disease International Forum (7th SORF): Shanghai, China November 19-20, 2016

Dr. Rajiv Dhand - New Horizons: How should aerosols be delivered during mechanical ventilation? American Association for Respiratory Care (AARC) Congress 2016: San Antonio, TX October 15-16, 2016

Dr. Rajiv Dhand - Year in review: Aerosol therapy. American Association for Respiratory Care (AARC) Congress 2016: San Antonio, TX October 15-16, 2016

Dr. J Francis Turner - Establishing a lung cancer screening program. The UT Medical Center Cancer Institute Big 4 Cancer Conference: Education for Everyone: Research, Prevention, Screening and Outcomes. Holiday Inn World's Fair Park: Knoxville, TN October 14-15, 2016

Dr. J Francis Turner - LDCT lung cancer screening program. Primary Care Fall Retreat: Knoxville, TN September 27, 2016

Dr. J Francis Turner - Keynote Speaker. Bronchoscopic diagnosis and therapy for large airway obstruction in benign and malignant disease. 10th Forum of Bronchology and Interventional Pulmonology; Suzhou, China; May 28-29, 2016

Dr. J Francis Turner - (Chair). Transbronchial needle aspiration, endobronchial ultrasound-transbronchial needle aspiration, and endoscopic ultrasound (bronchoscopy) transbronchial needle aspiration. 19th World Congress for Bronchology and Interventional Pulmonology/World Congress for Bronchoesophagology: Florence, Italy May 8-11, 2016

Turner JF, Dudney T, Sehgal R, Callison C, Browning RB, Parrish S. Rare and orphan lung diseases: Pulmonary calcification. 19th World Congress for Bronchology and interventional Pulmonology/World Congress for Bronchoesophagology: Florence, Italy May 8-11, 2016

Morris JC, Callison JC, Aljadir D. Rare breast metastasis in a patient with atypical pulmonary carcinoid and a follicular Hürthle cell thyroid nodule. American College of Physicians Internal Medicine Meeting: Washington, DC May 5-7, 2016

Dr. Rajiv Dhand - The Who/What/When of New Pulmonary Disease Treatments. Fourth Annual Medicine Conference Faculty Presenters: April 29-30, 2016

Dr. Rajiv Dhand - Fundamental factors of inhaled drug delivery. AIRS Education Network: Des Moines, IA April 27, 2016

Dr. J Francis Turner - Moderator. Procedures: Bronchoscopy session. 2016 CHEST World Conference. Shanghai International Convention Center: Shanghai, China April 15-17, 2016

Dr. Rajiv Dhand - Inhalation therapy. University of Tennessee Materials Research Society Student Chapter. University of Tennessee: Knoxville, TN February 18, 2016

Dr. J Francis Turner - Interventional pulmonology innovative techniques in the diagnosis and treatment of diseases of the lung. 2016 Tristar Clinical Medicine Update: Beaver Creek, CO January 25-28, 2016

Dr. J Francis Turner - Focus on lung cancer. 2016 Tristar Clinical Medicine Update: Beaver Creek, CO January 25-28, 2016