

2019 Pulmonary Disease/Critical Care Medicine Scholarly Activity

Books Published

Wang KP, Mehta AC, **Turner JF** (Eds). *Flexible Bronchoscopy*, 4th Edition, Wiley-Blackwell. (In-press)

Book Chapters

Dhand R. “Lung Cancer Inhalation Therapeutics” In: *Inhalation Aerosols, Physical and Biological Basis for Therapy*, Third Edition. Hickey AJ, Mansour H, editors. Taylor and Francis Group, Chapter 11, 2019, p 187-214

Moore BA, **Turner JF**, Wang KP. “Anesthetic Management for Diagnostic and Therapeutic Bronchoscopy” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (in-press)

McKay S, Browning RF, **Turner JF**, Wang KP. “Bronchoscopic Lung Biopsy” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Turner JF, Wang KP. “Rigid Bronchoscopy” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Xia Y, **Turner JF**, Mehta AC, Wang KP. “Transbronchial Needle Aspiration for Cytology and Histology Specimens” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Baveja S, Hohenforst-Schmidt W, **Turner JF**, Wang KP. “Virtual Bronchoscopic Navigation” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Wang KP, Mehta AC, **Turner JF**. Preface – *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Murgu SD, Kurman JS, Wang KP, Mehta AC, **Turner JF**. “Endobronchial Stents” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Mehta AC, **Turner JF**. Applied Anatomy & Physiology of the Airways” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell. (In-press)

Turner JF, Wang KP. “Staging of Bronchogenic Carcinoma: Our Path from 1994 to Now” In: *Flexible Bronchoscopy*, 4th Edition, Wang KP, Mehta AC, Turner JF (Eds). Wiley-Blackwell, (In-press)

Publications

Criner GJ, Delage A, Voelker K, Hogarth DK, Majid A, Zgoda M, Lazarus DR, Casal R, Benzaquen SB, Holladay RC, Wellikoff A, Calero K, Rumbak MJ, **Branca PR**, Abu-Hijleh M, Mallea JM, Kalhan R, Sachdeva A, Kinsey CM, Lamb CR, Reed MF, Abouzgheib WB, Kaplan PV. Improving lung function in severe heterogenous emphysema with the Spiration® valve system (EMPROVE): A multicenter, open label, randomized, controlled trial. *Am J Resp Crit Care Med*. 2019 Dec 1;200(11):1354-1362. doi: 10.1164/rccm.201902-0383OC. PMID: 31365298

Niedermaier MS, Alder J, Bassetti M, Boateng F, Cao B, Corkery K, **Dhand R**, Kaye KS, Lawatscheck R, McLeroth P, Nicolau DP, Wang C, Wood GC, Wunderink RG, Chastre J. Inhaled amikacin adjunctive to intravenous standard-of-care antibiotics in mechanically ventilated patients with Gram-negative pneumonia (INHALE): a double-blind, randomised, placebo-controlled, phase 3, superiority trial. *Lancet Infect Dis*. 2019 Dec 19. pii: S1473-3099(19)30574-2. doi: 10.1016/S1473-3099(19)30574-2. [Epub ahead of print] PMID: 31866328

Wong FJ, Mosenifar Z. Update: Coal worker’s pneumoconiosis. *Medscape*. 2019 Dec; <https://emedicine.medscape.com/article/297887-overview>

Pugh S, Mosenifar Z. Update: Pleural biopsy. *Medscape*. 2019 Dec; <https://emedicine.medscape.com/article/1894279-overview>

Clark AR, Weers JG, **Dhand R**. The confusing world of dry powder inhalers: It is all about inspiratory pressures, not inspiratory flow rates. *J Aerosol Med and Pulm Drug Del*. 2019 Oct 14. doi: 10.1089/jamp.2019.1556. [Epub ahead of print] PMID: 31613682

Turner JF, **Patel V**. Blue nose sign: Critical care presentation of toxic ingestion. *Am J Respir Crit Care Med*. 2019 Aug 15;200(4):510. doi: 10.1164/rccm.201807-1337IM. PMID: 30888837

Wong FJ, **Dudney T**, **Dhand R**. Aerosolized antibiotics for treatment of pneumonia in mechanically ventilated subjects. *Respir Care* 2019 Aug;64(8): 962-979. PMID: 31346071

Livesay J, **Biney I**, **Turner JF**. Chylothorax and chylopericardium: A complication of long-term central venous catheter use. *Case Rep Pulm*. 2019 Jul 11; 2019:4908259. eCollection 2019, <https://doi.org/10.1155/2019/4908259> PMID: 31380138

Jiang JH, Zeng DX, Wang CG, Chen YB, Shen D, Mao JY, **Turner JF**, Huang J. A pilot study of a novel through-the-scope self-expandable metallic airway stents delivery system in malignant central airway obstruction. *Can Respir J* 2019 May;7828526. eCollection 2019. <https://doi.org/10.1155/2019/7828526> PMID: 31214271

Dhand R, Eicher J, Hansel M, Jost I, Meisenheimer M, Wachtel H. Improving usability and maintaining performance: Human-factor and aerosol-performance studies evaluating the new reusable Respimat inhaler. *Int J Chron Obstruct Pulmon Dis*. 2019 Mar 5; 14:509-523. eCollection 2019. PMID: 30880941

Editorial Appointments

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

JF Turner MD - Co-Editor-in-Chief. *Journal of Biomedicine*.

Editorial Boards

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

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 - *Thoracic Endoscopy*

JF Turner MD - Ad Hoc Editor: *Journal of Thoracic Oncology*; *Journal of Thoracic Diseases*; *Journal of Bronchology and Interventional Pulmonology*; *Chest*, *American Journal of Respiratory & Critical Care Medicine*

Steering Committee

FJ Soto MD - Member of the ACCP Pulmonary Vascular Disease (PVD) Network

Awards and Honors

Dr. Francisco Soto passed advanced critical care echocardiography boards

Dr. Rajiv Dhand named section editor of the Respiratory Medicine section of *Advances in Therapy*

Dr. Tina Dudley - R.A. Obenour, MD Distinguished Alumnus Award in Recognition of Outstanding Career Achievement in the Field of Medicine

Dr. Francisco Soto - London Award

Dr. Bimaje Akpa - 2nd place for Relation of subjective assessment of perceived activity & weakness score (PAWS) to health outcomes up to 90 days after hospital admission for a medical illness.

Division Awards and Honors

Pulmonary & Critical Care Medicine – 2019 Jim Neutens Award for Best Teaching Division of the Year

Pulmonary Division – Recognized as High Performing by the 2018 – 2019 “Best Hospitals” Edition of *US News and World Report*

2019 Clinical Trials

2017-Present Principal Investigator: **Callison, J.**
Vertex VX17-659-102: A Phase 3, Randomized, Double-blind, Controlled Study Evaluating the Efficacy and Safety of VX-659 Combination Therapy in Subjects with Cystic Fibrosis Who Are Heterozygous for the F508del Mutation and a Minimal Function Mutation (F/MF)

2017-Present Principal Investigator: **Callison, J.**
Vertex 103: A Phase 3, Randomized, Double-blind, Controlled Study Evaluating the Efficacy and Safety of VX-659 Combination Therapy in Subjects with Cystic Fibrosis Who Are Homozygous or the F508del Mutation (F/F)

2017-Present Principal Investigator: **Callison, J.**
Vertex VX17-659-105: A Phase 3, Open-label Study Evaluating the Long-term Safety and Efficacy of VX-659 Combination Therapy in Subjects with Cystic Fibrosis Who are Homozygous or Heterozygous for the F508del Mutation

Presentations

Biney IN, Akhtar Y, Turner FJ, McKeown P, Soto FJ. Acute pulmonary embolism associated with a mobile right atrial thrombus managed by suction thrombectomy. Presented at CHEST Annual Meeting: New Orleans, LA October 19-23, 2019

Dhand R. Recent advances in inhalation therapy for mechanically ventilated patients. Presented at European Respiratory Society International Congress: Madrid, Spain September 28-October 2, 2019

Turner JF. The Future of Spray Cryotherapy. Presented at National Meeting of the American Association for Bronchoscopy & Interventional Pulmonology: August 17, 2019

Ball LR, **Dhand R.** Variables affecting successful treatment of obstructive sleep apnea in adults with MATRx oral appliance: A retrospective analysis. Presented at SLEEP 2019 San Antonio, TX June 8-12, 2019

Soto, FJ. Cardiac ultrasound for pulmonologists: Hands-on workshop director. Presented at Spanish Association of Respiratory Endoscopy (AEER): Valencia, Spain May 24-25, 2019

Soto, FJ. Indications of cardiac ultrasound for pulmonologists (lecture). Presented at Spanish Association of Respiratory Endoscopy (AEER): Valencia, Spain May 24-25, 2019

Swanson C, He Q, Wyckoff K, Ferris J, Elder S, Church D, Holbert L, **Dhand R.** Metagenomic characterization of microbial contamination in nebulizers. Presented at 22nd International Society for Aerosols in Medicine Congress: Montreux, Switzerland May 25-29, 2019

Clark AR, Weers JG, **Dhand R.** The confusing world of dry powder inhalers; It is all about inspiratory pressures not inspiratory flow rates. Presented at 22nd International Society for Aerosols in Medicine Congress: Montreux, Switzerland May 25-29, 2019

Akpa B, Baveja S, Ferris J, Hecht J, Heidel E, **Dhand R.** Relation of subjective assessment of perceived activity and weakness score (PAWS) to health outcomes up to 90 days after hospital admission for a medical illness. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Baveja S, Akpa B, Ferris J, Hecht J, Heidel E, **Dhand R.** Recovery of muscle strength and endurance after hospitalization in patients with medical illnesses. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Baveja S, Heidel E, **Turner JF,** Nodit L. Lymph nodes in lung cancer patients with granulomatous disease: To be or not to be metastasis. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Baveja S, Akpa B, Ferris J, Hecht J, Heidel E, **Dhand R.** Correlation of ultrasound measurement of muscle thickness, muscle weakness, and functional limitation in patients admitted for medical illness. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Baveja S, Akpa B, Ferris J, Jecht J, Heidel E, Dhand R. Subjective assessment of perceived activity and weakness score (PAWS) with objective assessments of muscle strength and endurance in patients admitted to a hospital with medical illness. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

McLaurine T, He Q, Wyckoff K, Swanson C, Ferris J, Elder S, Church D, Holbert L, **Dhand R.** Characterization of the microbiome on various nebulizer parts after short-term use by hospitalized patients. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

McLaurine T, He Q, Wyckoff K, Swanson C, Ferris J, Elder S, Church D, Holbert L, **Dhand R.** Serial changes in the microbiome on reusable nebulizers in hospitalized patients. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Turner JF, Peeke J, Baveja S, Crook J, Dudney T. Incidental non-cardiac abnormalities found on cardiac CT for coronary calcium scoring. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Wong F, Branca P, Nodit L, Attia S. The case of the mistaken identity: A pulmonary hamartoma that was actually an amyloidoma. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Dhand R, Hickey AJ, Guranlioglu D, Rawson K, Stjepanovic N, Siddiqui S, Usmani OS. Does inhaler continuity and familiarity provide clinical benefits for management of patients with chronic obstructive pulmonary disease or asthma? Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 17-22, 2019

Dhand R. Inhalation therapies. Workshop. Presented at American Thoracic Society 2019 International Conference: Dallas, TX May 21, 2019

Dhand R. When changing the inhaler is appropriate in COPD. Boehringer Ingelheim sponsored symposium attended by delegates at American Thoracic Society 2019 International Conference in Dallas, TX on May 20, 2019, and webcast to pulmonary physicians and PCPs at approximately 40 sites across the US

Turner JF. Smoking Risks & Rewards and a word about lung cancer. Knoxville Volunteer Rotary Club: Knoxville, TN April 26, 2019

Turner JF. Pro & Con: Should conventional TBNA still be used? Presented at Cleveland Clinic Advanced Bronchoscopy Course: Miami, FL March 30, 2019

Boulos M, **Turner J**, Heidel E, **Rogers B**, Findeiss L, Gaines T. Acute submassive hemodynamically stable pulmonary embolism triage and outcomes. Presented at 48th Annual Critical Care Congress of the Society of Critical Care Medicine: San Diego, CA February 17-20, 2019

Biney I, McLaurine T, **McCormack M**. A study comparing invasive and non-invasive blood pressure monitoring in patients with septic shock. Presented at 48th Annual Critical Care Congress of the Society of Critical Care Medicine: San Diego, CA February 17-20, 2019

Kozlovski C, **Attia S**, **Turner J**. Rasburicase-induced methemoglobinemia. Presented at 48th Annual Critical Care Congress of the Society of Critical Care Medicine: San Diego, CA February 17-20, 2019

Television Appearance

Elise Schriver MD. “UT lung specialist talks warns of teen vaping and e-cigarettes.” WVLT. August 14, 2019

J Francis Turner MD. “Woman warns of vaping after hospitalization.” WBIR. August 19, 2019

Course Directors

Francisco Soto MD and Mark Pierce MD. First Point-of-Care Ultrasonography (POCUS) Course Hands-on Workshop, Internal Medicine, Graduate School of Medicine, University of Tennessee Medical Center, Knoxville, TN. July 19, 2019

Grand Rounds Presentations

Rajiv Dhand MD - Department of Medicine Quarterly Staff Meeting. January 22, 2019

J. Francis Turner MD - Update on the Risk Stratification & Emergent Treatment of Pulmonary Embolism. February 12, 2019

Rajiv Dhand MD - Department of Medicine Quarterly Staff Meeting. April 23, 2019

Francisco J. Soto MD - Bronchoscopic Lung Volume Reduction (BLVR) for Severe Emphysema. December 10, 2019