

2021 Pulmonary Disease/Critical Care Medicine Scholarly Activity

Publications

Harnois L, Alolaiwat A, Jing G, Fink JB, **Dhand R**, Li J. Efficacy of various mitigation devices in reducing fugitive emissions from nebulizers. *Respir Care*. 2021 Nov 9: respcare.09546. [Epub ahead of print]. PMID: 34753815

Li J, Alolaiwat A, Harnois L, Fink JB, **Dhand R**. Mitigating fugitive aerosols during aerosol delivery via high-flow nasal cannula devices. *Respir Care*. 2021 Nov 17: respcare.09589. [Epub ahead of print]. PMID: 34789564

Li J, Scott JB, Fink JB, Reed B, Roca O, **Dhand R**. Optimizing high-flow nasal cannula flow settings in adult hypoxemic patients based on peak inspiratory flow during tidal breathing. *Ann Intensive Care*. 2021 Nov 27;11(1):164. PMID: 34837553

Usmani OS, **Dhand R**, Lavorini F, Price D. Why we should target small airways disease in our management of chronic obstructive pulmonary disease. *Mayo Clin Proc*. 2021 Sep;96(9):2448-2463. Epub 2021 Jun 26. PMID: 34183115

Chan AHY, Pleasants RA, **Dhand R**, Tilley SL, Schworer SA, Costello RW, Merchant R. Digital inhalers for asthma or chronic obstructive pulmonary disease: A scientific perspective. *Pulm Ther*. 2021 Aug 11. [Epub ahead of print]. PMID: 34379316

Usmani OS, Hickey AJ, Guranlioglu D, Rawson K, Stjepanovic N, Siddiqui S, **Dhand R**. The impact of inhaler device regimen in patients with asthma or COPD. *J Allergy Clin Immunol Pract*. 2021 Aug;9(8):3033-3040.e1. Epub 2021 Apr 24. PMID: 33901714

Lavorini F, Usmani OS, **Dhand R**. Aerosol delivery systems for treating obstructive airway diseases during the SARS-CoV-2 pandemic. *Intern Emerg Med*. 2021 Jul 30. [Epub ahead of print]. PMID: 34331192

Soto FJ, Kravitz JN, Dhand R. Inhaled treprostinil in group 3 pulmonary hypertension. *N Engl J Med*. 2021 May 13;384(19):1869-1870. PMID: 33979497

Dhand R. Mitigating viral dispersion during respiratory support procedures in the ICU. *Am J Respir Crit Care Med*. 2021 May 1;203(9):1051-1053. Epub 2021 Feb 22. PMID: 33617748

Li J, Fink JB, Moran EM, Kiourkas RD, McLaughlin R, Vines DL, Jing G, Porszasz J, **Dhand R**. Airborne particulate concentrations during and after pulmonary function testing. *CHEST*. 2021 Apr;159(4):1570-1574. Epub 2020 Nov 1. PMID: 33144080

Terry PD, Heidel RE, **Dhand R**. Asthma in adult patients with COVID-19: Prevalence and risk of severe disease. *Am J Respir Crit Care Med*. 2021 Apr 1;203(7):893-905. Epub 2021 Jan 25. PMID: 33493416

Smith LM, King SA, Shealy JA, Heidel RE, Morin-Ducote GI, Husband LD, **Callison JC**, Rosen BA, Savoy RA, Daley BJ. Incidental findings in the trauma population: Interdisciplinary approach and electronic medical record reminder association with pre-discharge reporting and medicolegal risk. *J Am Coll Surg*. 2021 Apr;232(4):380-385.e1. Epub 2020 Dec 29. PMID: 33385568

Presentations

Bhagat M, Bevill B. Cavitation due to Covid-19: A case of secondary atypical mycobacterial infection post-Covid-19. Presented at (National) CHEST 2021: (Virtual) Orlando, FL October 17-20, 2021

Bhagat MK, Mowery SR, Dudney TM, Branca P, McCormack MT, Dhand R, Heidel RE, Soto FJ. High-flow nasal cannula requirements in hypoxemic respiratory failure secondary to COVID-19: Identifying FIO₂ cutoffs that predict a higher risk for ICU admission, mechanical ventilation, and death. Presented at (International) CHEST 2021: (Virtual) Orlando, FL October 17-20, 2021

Maroun R, Treat S, Oakley T, Kravitz J. Managing a rare case of congenital atresia of the left superior pulmonary vein with associated atypical coronary anatomy in an adult patient with new onset self-limited chest pain. Presented at (National) CHEST 2021: (Virtual) Orlando, FL October 17-20, 2021

Treat S, **Maroun R, DePolo J, Dhand R.** When to pull the trigger – Persistent upper gastrointestinal bleeding in the setting of splenic artery pseudoaneurysm and cystogastrostomy stent ultimately requiring coil embolization. Presented at (National) CHEST 2021: (Virtual) Orlando, FL October 17-20, 2021

Purkey SC, Alexander M, **Doyle-Mclam M, Rasnake MS.** Histoplasmosis, the great imitator of COVID-19 pneumonia? Presented at (Regional) 21st Southern Hospital Medicine Conference. Atlanta, GA October 14-16, 2021

Treat S, **Biney I, Ferris J, Heidel RE, Terry P, Dhand R.** Comparing discharge and readmission medication regimen for AECOPD. Presented at (International) American Thoracic International Conference: San Diego, CA May 14-19, 2021

Dhand R, Terry PD, Heidel E. Asthma in adult patients with COVID-19: Prevalence and risk of severe disease. Presented at (National) American Thoracic International Conference: San Diego, CA May 14-19, 2021

Baveja S, Porter J, Martin E, Williams A, Akpa B, Ferris J, Heidel E, Dhand R. Do plasma levels of biomarkers correlate with muscle weakness in patients admitted for medical illnesses? Presented at (National) American Thoracic International Conference: San Diego, CA May 14-19, 2021