Patient Response to an Aerosolized Bronchodilator Administered Via the Aerogen® Solo *Versus* a Jet Nebulizer During Non-invasive Ventilation in Patients With Acute Exacerbation of COPD

Avdeev SN, Nuralieva GS, Soe AK, et al. Comparison of Vibrating Mesh and Jet Nebulizers During Noninvasive Ventilation in Acute Exacerbation of Chronic Obstructive Pulmonary Disease. J Aerosol Med Pulm Drug Deliv. 2021;34(6):358-365.

Background



There are limited data on the efficacy of aerosolized bronchodilators administered during non-invasive ventilation in patients with acute exacerbation of COPD, including the performance of different aerosol delivery devices in this setting

Objective



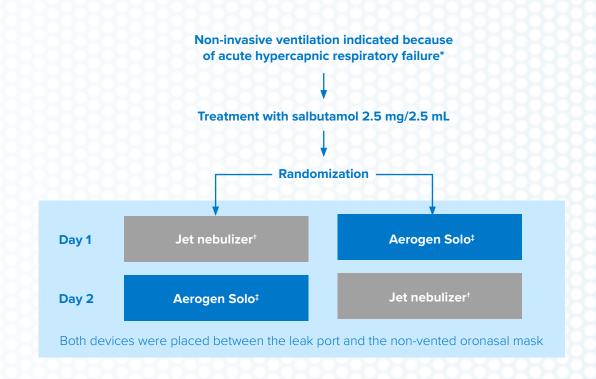
The aim of this study was to compare the efficacy of bronchodilator therapy delivered using the Aerogen Solo *versus* a jet nebulizer in patients with acute exacerbation of COPD undergoing non-invasive ventilation

Materials and Methods

Prospective randomized controlled cross-over design

Adults aged >40 years with exacerbation of COPD admitted to the respiratory unit of an acute care hospital





Patient Response to an Aerosolized Bronchodilator Administered Via the Aerogen® Solo *Versus* a Jet Nebulizer During Non-invasive Ventilation in Patients With Acute Exacerbation of COPD

Avdeev SN, Nuralieva GS, Soe AK, et al. Comparison of Vibrating Mesh and Jet Nebulizers During Noninvasive Ventilation in Acute Exacerbation of Chronic Obstructive Pulmonary Disease. J Aerosol Med Pulm Drug Deliv. 2021;34(6):358-365.

