

Global **webinar series**

In-line aerosol delivery with high-flow nasal cannula: safety, feasibility, and clinical implications

Course description:

This session reviews the emerging evidence supporting in-line aerosol delivery via high-flow nasal cannula (HFNC) in patients with acute and chronic obstructive lung disease. Practical considerations for optimizing delivery efficiency, minimizing therapy interruption, and translating findings into bedside practice will be discussed.

Learner objectives:

By the end of this webinar, participants will be able to:

- 1 Describe the physiological and technical factors influencing aerosol deposition during HFNC therapy.
- 2 Interpret key evidence on the safety, feasibility, and clinical effectiveness of in-line aerosol delivery via HFNC.
- 3 Apply best-practice strategies for incorporating in-line aerosol therapy into routine respiratory care to enhance patient outcomes and maintain continuous support.



This webinar is approved for 1.0 hour of continuing education credit

Time: 12:00 PM EST/5 PM GMT +0

Register:

12 March 2026

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Featured presenter:



Matthew Dartt, MBA, RRT, RRT-ACCS

Assistant Director of Respiratory Therapy, UCLA Health

Matthew Dartt, MBA, RRT, RRT-ACCS, is the Assistant Director of Respiratory Therapy at UCLA Health, where he oversees inpatient and ambulatory respiratory care across multiple campuses, including pulmonary diagnostics, specialty clinics, critical care programs, and system-level performance improvement initiatives. Over his 18-year tenure, he has led interdisciplinary projects that enhance high-flow nasal cannula therapy, optimize in-line aerosol drug delivery, improve COPD care pathways, expand pulmonary function testing access, and strengthen airway clearance practices in both acute and chronic disease populations.

Matthew is involved in research and academic dissemination, with ongoing work in HFNC aerosolization (ILAN Study), cystic fibrosis RT competency and policy frameworks, COPD navigator ROI modeling, and value-efficiency strategies within large health systems. He has presented extensively at national and international meetings, including AARC, ERS, NACFC, CSRC, and CHEST, and serves in leadership roles within the California Society for Respiratory Care.

Dedicated to advancing the profession, Matthew focuses on clinical innovation, education, regulatory excellence, and operational models that elevate both patient outcomes and staff development.