

Studien zu Vapotherm Erwachsene

- **High-Velocity Nasal Insufflation in the Treatment of Respiratory Failure: A Randomized Clinical Trial**
[Pratik Doshi¹](#), [Jessica S Whittle²](#), [Michael Bublewicz³](#), [Joseph Kearney⁴](#), [Terrell Ashe⁵](#), [Russell Graham⁶](#), [Suesann Salazar⁶](#), [Terry W Ellis Jr⁷](#), [Dianna Maynard³](#), [Rose Dennis⁵](#), [April Tillotson⁴](#), [Mandy Hill⁸](#), [Misha Granado⁸](#), [Nancy Gordon⁹](#), [Charles Dunlap¹⁰](#), [Sheldon Spivey⁵](#), [Thomas L Miller¹¹](#)
- **Heated, Humidified High-Flow Nasal Cannula vs Nasal Continuous Positive Airway Pressure for Respiratory Distress Syndrome of Prematurity: A Randomized Clinical Noninferiority Trial** [Anna Lavizzari¹](#), [Marianosa Colnaghi¹](#), [Francesca Ciuffini¹](#), [Chiara Veneroni²](#), [Stefano Musumeci¹](#), [Ivan Cortinovis³](#), [Fabio Mosca¹](#)
- **Research in high flow therapy: mechanisms of action** [Kevin Dysart¹](#), [Thomas L Miller](#), [Marla R Wolfson](#), [Thomas H Shaffer](#)
- **Noninvasive Ventilation**
[SANGEETA MEHTA](#), and [NICHOLAS S. HILL](#), Divisions of Pulmonary and Critical Care Medicine, University of Toronto, Toronto, Ontario, Canada and Brown University School of Medicine, Providence, Rhode Island
- **Computational Fluid Dynamics Modeling of Extrathoracic Airway Flush: Evaluation of High Flow Nasal Cannula Design Elements**
[T. L. Miller](#), [Babak Saberi](#), [S. Saberi](#) Published 2016 Materials Science Journal of Pulmonary and Respiratory Medicine
- **Relationship between the humidity and temperature of inspired gas and the function of the airway mucosa**
Williams, Robin PhD; Rankin, Nigel MB, BS, FFARCS; Smith, Tony MB, ChB, FFICANZCA; Galler, David MB, ChB, FFICANZCA; Seakins, Paul BE
- **An evaluation of 2 new devices for nasal high-flow gas therapy**
Waugh J, Granger W September 2004, [Respiratory care](#) 49(8):902-6, Source [PubMed](#)
- **Effects of Nasal High Flow on Ventilation in volunteers, COPD and Idiopathic Pulmonary Fibrosis Patients**
Jens Bräunlich, Denise Beyer David Mai Stefan Hammerschmidt Hans-Jürgen Seyfarth Hubert Wirtz
Departement of Respiratory Medicine, University of Leipzig, Leipzig, Germany 2011

- **High-Flow nasal cannula oxygen therapy versus noninvasive ventilation in immunocompromised patients with acute respiratory failure : an observational cohort study**

Rémi Coudroy, Angéline Jamet, Philippe Petua, René Robert, Jean-Pierre Frat, and Arnaud W. Thille, Intensive Care 2016

- **Effect of Postextubation High-Flow Nasal Cannula vs Noninvasive Ventilation on Reintubation and Postextubation Respiratory Failure in High-Risk Patients A Randomized Clinical Trial**

Gonzalo Hernández, MD, PhD; Concepción Vaquero, MD; Laura Colinas, MD; Rafael Cuenca, MD; Paloma González, MD; Alfonso Canabal, MD, PhD; Susana Sanchez, MD; Maria Luisa Rodriguez, MD; Ana Villascargas, MD; Rafael Fernández, MD, PhD ; JAMA. doi:10.1001/jama.2016.14194 Published online October 5, 2016.

- **High Flow Nasal Cannula as First-Line Therapy in the Emergency Department Setting: a Review of Findings in Six Medical Centers**

Published by Sarah Brundidge, MSc, RRT, AE-C;

- **Nasal highflow improves ventilation in patients with COPD**

Jens Bräunlich, Marcus Köhler, Hubert Wirtz; Department of Respiratory Medicine, University of Leipzig Germany 2016

- **High-Flow Nasal Cannula: Impact on Oxygenation and Ventilation in an Acute Lung Model**

Meg Frizzola, DO*,¹, Thomas L. Miller, PhD^{2,3}, M.E. Rodriguez, MD¹, Yan Zhu, MD¹, Jorge Rojas, MD⁴, Anne Heseck¹, A. Stump¹, Thomas H. Shaffer, MSE, PhD^{1,2,5}, and Kevin Dysart, MD^{1,2}; *Pediatr Pulmonol.* 2011 January ; 46(1): 67–74. doi:10.1002/ppul.21326.