

EPIQ GRAND ROUNDS

Session 32

WEDNESDAY, November 26th, 2025

Mount Sinai's BPD Taskforce and Respiratory Research Program

Objectives:

1. Share the activities of a QI task force against BPD at a high-volume tertiary NICU in Canada, and the evolution into a preterm respiratory care research program.
2. Outline the lung protective preterm respiratory care strategies implemented in a NICU over a 5-year period, and the observed impacts on clinical outcomes.

Presented by:

Dr. Amish Jain & Michelle Baczynski

Michelle Baczynski, RRT, Mount Sinai Hospital



Michelle is a Respiratory Therapist working as a Clinical Educator for the Women's and Infants' Health Program at Mount Sinai Hospital, Toronto. Michelle completed her Bachelor's degree at the University of Waterloo, and subsequent training in Respiratory Therapy at the Michener Institute in Toronto in 2008. She completed her Master's degree in Clinical Epidemiology and Health Care Research at the University of Toronto in 2023. Her research interests relate to respiratory illness associated with prematurity, with a particular emphasis on preterm pulmonary hypertension and lung protective ventilation strategies.

Dr. Amish Jain, Neonatologist, Mount Sinai Hospital



Dr. Amish Jain is a Professor in Pediatrics at the University of Toronto, and staff physician and clinician-scientist at Mount Sinai Hospital. Dr. Jain's specific clinical and research interests are in the field of neonatal critical care, neonatal hemodynamic and cardio-pulmonary physiology, and more recently preterm respiratory care. He holds several active project grants from the Canadian Institute of Health Research for multicenter projects in the field of preterm hemodynamics and respiratory care, including the upcoming cluster crossover trial comparing manual vs. ventilator-delivered PPV during resuscitation for extreme preterm neonates, that he is jointly leading with Ms. Baczynski.

Length: 1 hour

10:00 AM PST / 11:00 AM MST / 12:00 PM CST / 1:00 PM EST / 2:00 PM AST / 2:30 PM NST

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