

Early Ventilator Support in Extremely Low Gestation Neonates

Internet Enduring Material

Release Date: 12/08/2022

Expiration Date for Credit: 12/07/2025

Content was originally presented as part of the Pediatrix Neonatology Grand Rounds series on Dec. 7, 2022.

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Time to Complete

The estimated time for completion of this Internet Enduring Material is 65 minutes.

Target Audience

This presentation is intended for physicians, advanced practice providers, and other clinicians practicing within the Neonatology specialty.

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Disclosure of Relevant Financial Relationships

Bradley Yoder, M.D., faculty for this educational activity, has the following relevant financial relationship(s) with ineligible companies to disclose: *Grant or Research Support – Vapotherm*.

FDA Disclosures: *Investigational therapies will be discussed that are not FDA approved including stem cell, modified surfactants and newer high-frequency ventilators used in clinical practice outside the United States.*

Timothy Biela, MD, Nicole Brenson, Jaya Sariga, NNP-BC, planners of this educational activity, have no relevant financial relationships with ineligible companies to disclose.

Commercial Support

There is no commercial support for this educational activity.

Overview

With more recent improvements in the survival of extremely preterm infants in the 22-25 weeks range, the optimal approaches to initial respiratory support will be reviewed to minimize gaps that may exist in current knowledge or existing practice.

Objectives

At the conclusion of this activity, the participant will be able to:

- Describe the basic aspects of lung development at 22-25 weeks and the impact of potentially toxic insults in the ex-utero environment.
- Discuss the unique operative features of high-frequency and conventional ventilators and how they optimize early lung inflation.
- Identify deficiencies in evidence from past trials regarding optimal approaches to early ventilator care in the most immature infants.

ACGME/ABMS Competencies

- Patient Care & Procedural Skills
- Medical Knowledge
- Practice-Based Learning and Improvement

IOM Competencies

- Provide patient-centered care
- Employ evidence-based practice

Participation and Credit

Participants are expected to review all content in the video, access reference materials as needed for additional self-directed learning, take and score 75% or greater correct on the post-test, and complete the evaluation in order to earn *AMA PRA Category 1 Credit(s)*[™], or nursing contact hour(s).

There are no fees for participating in or receiving credit for this online educational activity. For information on the applicability and acceptance of credit for this activity, please consult your professional licensing board.

Contact

Should you have any questions or concerns, please contact us at continuing.education@pediatrix.com