

Stabilization of the Critically Ill Neonate With Congenital Heart Disease

Internet Enduring Material

Release Date: 10/09/2026

Expiration Date for Credit: 10/08/2029

Content was originally presented as part of the Pediatrix Neonatology Grand Rounds series on October 7, 2026.

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Time to Complete

The estimated time for completion of this Internet Enduring Material is 60 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

Jessica Barreto, MD, MS, faculty for this educational activity, has no relevant financial relationships with ineligible companies to disclose. *FDA Disclosure(s)*: none reported.

Timothy Biela, MD, Nicole Brenson and 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

This educational activity is designed to enhance clinicians' knowledge and competence in recognizing and stabilizing critically ill neonates with suspected or confirmed congenital heart disease. Participants will examine fetal-to-neonatal transitional physiology and apply lesion-specific stabilization strategies, including targeted oxygenation, prostaglandin E1 therapy, and hemodynamic and ventilatory support. Identifying conditions requiring emergent intervention, developing anticipatory delivery-room plans, and strengthening multidisciplinary coordination to support preoperative management and safe transport to specialized care will be discussed.

Objectives

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

- Describe the fetal-to-neonatal circulatory transition and explain why transitional physiology can unmask congenital heart disease (CHD).
- Identify lesion-specific delivery-room and NICU stabilization strategies for the critically ill neonate with suspected or confirmed CHD.
- Discuss the subset of critical CHD lesions requiring emergent intervention within hours of birth and formulate an anticipatory delivery-room and transport plan for each.

ACGME/ABMS Competencies

- Medical Knowledge
- Practice-based Learning and Improvement
- Systems-based Practice

IOM Competencies

- Employ Evidence-based Practice
- Work in Interdisciplinary Teams

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