

Neonatal Minimally Invasive Surgery (MIS)

Internet Enduring Material

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Content was originally presented as part of NEO: The Conference for Neonatology on February 25, 2026.

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Time to Complete

The estimated time for completion of this Internet Enduring Material is 45 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

Miguel Guelfand, MD, FACS, faculty for this educational activity, has the following relevant financial relationships with ineligible companies to disclose: Consulting Fee-Stryker. *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 enduring educational activity. *Please note: the content of this activity was originally presented at NEO: The Conference for Neonatology on February 25, 2026, which was supported in part, through a medical education grant from Mead Johnson Nutrition.*

Overview

Currently, less than 20% of neonatal surgeries in the U.S. are performed using minimally invasive techniques (MIS), despite strong evidence of their safety and benefits. This gap reflects limited training, experience, and institutional adoption. This activity aims to advance knowledge and practical skills in neonatal MIS, encouraging broader implementation and improving surgical outcomes through education and team readiness.

Objectives

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

- Describe the current gap in neonatal MIS adoption, recognizing that less than 20% of neonatal surgeries in the U.S. are performed minimally invasively.
- Explain the clinical and institutional barriers limiting MIS implementation in newborns.
- Identify key surgical principles and team strategies that enable safe neonatal MIS.

ACGME/ABMS Competencies

- Patient Care and Procedural Skills
- Medical Knowledge
- Practice-based Learning and Improvement
- Interpersonal and Communication Skills
- Systems-based Practice

IOM Competencies

- Provide Patient-Centered Care
- Work in Interdisciplinary Teams
- Employ Evidence-based Practice
- Apply Quality Improvement

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).

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