

## Early Onset Sepsis in the Term and PreTerm Infant

### ***Internet Enduring Material***

**Release Date:** 04/04/2025

**Expiration Date for Credit:** 04/03/2028

*Content was originally presented as part of the Pediatrix Neonatology Grand Rounds series on April 2, 2025.*

### ***Accreditation***

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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.

### ***Mitigation of Relevant Financial Relationships***

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### ***Disclosure of Relevant Financial Relationships***

**Keith J. Barrington, MD**, 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**

There are various tools to calculate the probability of neonatal early-onset sepsis (EOS) based on maternal risk factors and the infant's clinical presentation. This activity will review tools from North America and Europe and discuss the advantages and disadvantages of each, particularly regarding unnecessary antibiotic exposure. At the conclusion of the activity, learners will critically evaluate the screening process in their own unit to determine if a change in practice is merited and if so, implement at least one strategy, new technique(s), or intervention(s) to assist in clinical decision-making.

## **Objectives**

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

- Describe epidemiology and bacteriology of neonatal EOS in high income countries.
- Review EOS risk assessment, detection and diagnosis strategies for terms and preterm infants.
- Discuss adverse effects of unnecessary antibiotic exposure.

## ACGME/ABMS Competencies

- Patient Care and 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)*<sup>™</sup>, 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](mailto:continuing.education@pediatrix.com)