

Solving the Puzzle of Preterm Birth

Internet Enduring Material

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Content was originally presented as part of NEO: The Conference for Neonatology on February 20, 2025.

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Time to Complete

The estimated time for completion of this Internet Enduring Material is 55 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

David Stevenson, MD, faculty for this educational activity, has no relevant financial relationships with ineligible companies to disclose. *FDA Disclosures: 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 20, 2025, which was supported in part, through a restricted medical education grant from Mead Johnson Nutrition.*

Overview

Currently, there are no reliable clinical methods to predict the onset of spontaneous preterm birth (PTB) or preeclampsia (PE), both of which can lead to medically indicated preterm delivery. This presentation will explore emerging strategies for the prediction of PTB and PE, with a particular focus on the application of multiomics technologies. In addition, potential preventive and therapeutic interventions aimed at reducing the incidence and severity of PTB and PE will be examined.

Objectives

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

- Identify key biological markers that may be utilized to predict preterm birth (PTB) and preeclampsia (PE).
- Explain the application of computational methodologies for the interpretation of multiomics data in the prediction of PTB and PE.

ACGME/ABMS Competencies

- Medical Knowledge

IOM Competencies

- Utilize Informatics

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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