

Using Artificial Intelligence to Improve Fetal Assessments

Internet Enduring Material

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Content was originally presented as part of NEO: The Conference for Neonatology on February 19, 2025.

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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

Andrew Combs, MD, PhD, faculty for this educational activity, has the following relevant financial relationships with ineligible companies to disclose: Grant or Research Support-Sonio; Consulting Fee-Sera Prognostics.

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 19, 2025, which was supported in part, through a restricted medical education grant from Mead Johnson Nutrition.*

Overview

Current methods of fetal assessment have poor diagnostic accuracy for detection of conditions associated with neonatal morbidity. During this presentation, the promise and limitations of artificial intelligence approaches to fetal evaluation will be reviewed. At the conclusion of the activity, learners will implement at least one strategy, new technique(s), or intervention(s) to identify how to best incorporate artificial intelligence approaches to fetal evaluation to further assist in clinical decision-making.

Objectives

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

- List the current modalities for fetal assessment.
- Discuss the limitations of current methods of fetal assessment.
- Summarize recent research evaluating whether AI can improve diagnostic accuracy.
- Describe progress in integrating AI into prenatal diagnosis.

ACGME/ABMS Competencies

- Medical Knowledge
- Systems-based Practice

IOM Competencies

- Employ Evidence-based Practice
- Utilize Infomatics

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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