

## Intersection of Artificial Intelligence (AI) and Neonatology

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

***Release Date:*** 03/07/2025

***Expiration Date for Credit:*** 03/06/2028

*Content was originally presented as part of the Pediatrix Neonatology Grand Rounds series on March 5, 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***

The Pediatrix Center for Research, Education, Quality and Safety adheres to the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. Any individuals in a position to control the content of a CE activity, including faculty, planners, reviewers, or others are required to disclose all financial relationships with ineligible companies within the 24 months prior to their involvement with the CE activity. All relevant financial relationships listed have been mitigated prior to the commencement of the activity. Beyond the disclosure of financial relationships, faculty are required to disclose when they plan to discuss pharmaceuticals and/or medical devices that are not approved by the FDA and/or medical or surgical procedures that involve an unapproved or "off-label" use of an approved device or pharmaceutical.

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

**Alvaro Moreira, MD**, faculty for this educational activity, has the following relevant financial relationships with ineligible companies to disclose: Advisor-EMx Biotech; Grant or research support-Chiesi; Membership on Advisory Committees or Review Panels, Board Membership, etc.-UTI Wizard. *This presentation will involve comments or discussion of unapproved or off-label, experimental or investigational use of medical devices and software algorithms.*

**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 activity will explore current and future applications of artificial intelligence (AI) in neonatology. At the conclusion of the activity, learners will evaluate opportunities for AI in their own NICU, and if feasible, 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 the role of artificial intelligence and machine learning in neonatal medicine, including their applications in clinical decision support, predictive analytics, and disease classification.
- Identify common misconceptions and challenges associated with AI implementation in neonatology and discuss strategies to address concerns related to data privacy, bias, and transparency.

### ACGME/ABMS Competencies

- Patient Care and Procedural Skills
- 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)*<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)