

## Advances in Neonatal Genomics

***Internet Enduring Material***

***Release Date:*** 10/9/2020

***Expiration Date for Credit:*** 10/8/2023

*Content was originally presented as part of the MEDNAX Neonatology Grand Rounds series on October 7, 2020.*

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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.

***Disclosure of Financial Relationships:***

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*The planners, moderators or speakers of this activity have the following financial relationship(s) with commercial interests to disclose:*

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**Timothy Biela, MD** Disclosure(s) - I have no financial relationships to report.

**Nicole Brenson, MS.Ed** Disclosure(s) - I have no financial relationships to report.

**Kassandra S Greci, DNP, APRN, WHNP-BC** Disclosure(s) - I have no financial relationships to report.

***Commercial Support:***

There is no commercial support for this educational activity.

***Gap/Purpose:***

Advances in neonatal genomics may detect serious conditions, which meet criteria for neonatal genetic screening, to help support clinical decision making. Conversely, ethical considerations are an ongoing debate on neonatal genomic sequencing compared to current newborn screenings. This presentation will address the potential uses for genomic sequencing, including its limitations, promises, challenges and ethical considerations.

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

ACCME Objectives

1. Summarize the current state and latest advances in neonatal genomics.
2. Describe clinical indications to support the use of genomic sequencing for clinical decision making.
3. Discuss the available neonatal genetic screening and the use of information to facilitate enhanced clinical decision making and optimize clinical outcomes.
4. Illustrate the importance of genetic assessment, testing, and critical issues surrounding care in the neonatal setting.

CME – ACGME/ABMS Competencies

1. Patient Care and Procedural Skills
2. Medical Knowledge

ANCC Learning Outcomes

1. Summarize the current state and latest advances in neonatal genomics.
2. Describe clinical indications to support the use of genomic sequencing for clinical decision making.
3. Discuss the available neonatal genetic screening and the use of information to facilitate enhanced clinical decision making and optimize clinical outcomes.
4. Illustrate the importance of genetic assessment, testing, and critical issues surrounding care in the neonatal setting.

ANCC – IOM Competencies

1. 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>, *nursing contact hour(s)*, and/or *Ethics credit(s)*.

There are no fees for participating in or receiving credit for this online educational activity. For information on 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@mednax.com](mailto:Continuing_Education@mednax.com)