

## The Developing Microbiome in the Perinatal and Neonatal Periods

***Internet Enduring Material***

***Release Date:*** 8/6/2020

***Expiration Date for Credit:*** 8/5/2023

*Content was originally presented as part of the MEDNAX Neonatology Grand Rounds series on August 5, 2020.*

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The ANCC recognizes this educational activity as an Internet Enduring Material. The estimated time for completion of this Internet Enduring Material is 70 minutes. This presentation was released on August 6, 2020. The expiration date of this Internet Enduring Material is August 5, 2023.

***Target Audience:***

This presentation is intended for physicians, advanced practice providers, and other clinicians practicing within the Neonatology specialty.

***Disclosure of Financial Relationships:***

Disclosure of Financial Relationships and Resolution of Conflicts of Interest is designed to ensure quality, objective, balanced, and scientifically rigorous continuing education activities. All individuals in a position to influence and/or control the content of continuing education activities have been asked to disclose all relevant financial relationships within the past 12 months. Any real or apparent conflicts of interest related to the content of the faculty's presentation have been resolved as have any real or apparent conflicts of interest by the planners as related to the content of this conference. Beyond disclosure of relevant 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. The MEDNAX Center for Research, Education, Quality and Safety is committed to providing learners with commercially unbiased continuing education activities.

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

**Josef Neu, MD** Disclosure(s) - Scientific Advisory Board Research Grant - Infant Bacterial Therapeutics; Scientific Advisory Board Research Grant - Medela; Scientific Advisory Board - Astarte. *FDA Disclosures:* No disclosures reported.

**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 or Purpose:**

The developing microbiome and its interaction with the fetus and neonate can have life-long consequences. This presentation will provide a better understanding of how environmental influences such as antibiotic use, mode of delivery, and feeding practices might affect the developing microbiome and how this relates to subsequent health.

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

ACCME Objectives

1. Identify potential impacts that can occur based on the interaction of the developing microbiome and the fetus and neonate.
2. Summarize how environmental factors of care such as antibiotic use, mode of delivery, and feeding practices might affect the developing microbiome.
3. Discuss the developing microbiome and its potential impact on subsequent health outcomes.

CME – ACGME/ABMS Competencies

1. Patient Care and Procedural Skills
2. Medical Knowledge
3. Practice-Based Learning and Improvement

ANCC Learning Outcomes

1. Identify potential impacts that can occur based on the interaction of the developing microbiome and the fetus and neonate.
2. Summarize how environmental factors of care such as antibiotic use, mode of delivery, and feeding practices might affect the developing microbiome.
3. Discuss the developing microbiome and its potential impact on subsequent health outcomes.

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> or *nursing contact hour(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)