



Human Milk Oligosaccharides: Not all HMOs are Equal

Internet Enduring Material

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Time to Complete

The estimated time for completion of this Internet Enduring Material is 65 minutes.

Target Audience

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

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Lisa M. Renzi-Hammond, PhD: Grant or research support-Johnson and Johnson; Grant or research support-Novartis AG; Speakers Bureau-Abbott Laboratories. *FDA Disclosures: none reported.*

All relevant conflicts of interest have been mitigated prior to the commencement of the activity.

Timothy Biela, MD: I have no financial relationships to report.

Nicole Brenson, MS.Ed: I have no financial relationships to report.

Vicki Leamy, DNP, APRN, NNP-BC: I have no financial relationships to report.

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Overview

Infancy is one of the most important opportunities for immune, brain and gut development. Human milk oligosaccharides are an important part of human milk that facilitates this development. Human infants thrive on human milk, but not all infants receive it. This presentation will address a key gap between formula and breast milk and will address public health implications of this gap.

Objectives

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

1. Differentiate between human milk oligosaccharides and other human milk components in structure, function and abundance.
2. Identify the unique roles that fucosylated, sialylated and acetylated human milk oligosaccharides play in infant development.
3. Describe the basic biology of human milk oligosaccharides and their effects on digestive health, immune function and cognitive development.
4. Apply best practices in infant feeding to close gaps between human milk-fed and formula-fed infants.

ACGME/ABMS Competencies

- Medical Knowledge
- Practice-based Learning and Improvement

IOM Competencies

- Provide patient-centered care
- 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)*[™] or *nursing contact hour(s)*.

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