Pediatric Nutrition
CONTINUING EDUCATION FOR CLINICIANS

ON-DEMAND VIEWING

pnce.org/MFGM

Free CE course—archived presentation.

The Early Nutrition Journey and MFGM: Evidence for Improving Cognitive Outcomes

John Colombo, PhD
University of Kansas

Sean Deoni, PhD
Brown University

Rafael Jimenez-Flores, PhD
The Ohio State University

Experts on MFGM, infant neurodevelopment, and early cognition discuss the most recent scientific and medical research on MFGM and its effects on infant development. First, Rafael Jimenez-Flores, PhD, reviews the foundational science of MFGM, including its secretion, components, and structure, with a focus on the mechanistic features believed to contribute to early neurodevelopmental processes. Then, Sean Deoni, PhD, reviews the influence of MFGM on the developing brain using imaging-based assessments of brain volume and myelination. Finally, John Colombo, PhD, reviews the most recent translational data providing support for the effects of MFGM supplementation in infant formula on long-term cognitive outcomes.

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Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 1.75 continuing professional education unit (CPEU) for completion of this program/material. Registered Dietitians and Dietetic Technicians are to select activity type 102 on Professional Development Portfolio (PDP) activity logs.

This activity was planned by and for the healthcare team, and learners will receive 1.75 Interprofessional Continuing Education (IPCE) credits for learning and change.

Learning Objectives

By participating in this course, you will:

- Describe the molecular structure of MFGM as it relates to its key biological functions, including its role as a bioactive component in human milk
- Identify the clinical significance of MFGM in early life nutrition and its impact on neurodevelopment and brain structure and function
- Discuss the longitudinal benefits of early life MFGM supplementation on cognitive outcomes, measures of intelligence, and executive functioning

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