

## Latest Evidence in Fatty Acid Biology in Preterm Infants: From Data to Practice

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

***Release Date:*** 04/12/2024

***Expiration Date for Credit:*** 04/11/2027

*Content was originally presented as part of the Pediatrix Neonatology Grand Rounds series on April 3, 2024.*

### ***Accreditation***

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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.

### ***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***

**Camilia Martin, MD**, faculty for this educational activity, has the following relevant financial relationship(s) with ineligible companies to disclose: Membership on Advisory Committees or Review Panels, Board Membership - Plakous Therapeutics, LactaLogics, Inc, Vitara Biomedical, Inc; Honoraria-Medscape/WebMD (relationship has ended); Consulting Fee-Mead Johnson Nutrition; Grant or research support-Mead Johnson Foundation.

**FDA Disclosures:** discussion of non-FDA emulsions (those available in Europe) for the purposes of understanding the induced fatty acid profiles as a function of lipid composition.

**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.

### **Overview**

This educational activity will review fetal physiology related to arachidonic acid (ARA) and docosahexaenoic acid (DHA) levels and examine the use of lipid emulsions on fatty acid balance. At the conclusion of this activity, learners will critically evaluate lipid emulsion options in their NICU unit to determine if changes are appropriate for the patient population and if so, initiate an evidenced-based intervention in their NICU.

### **Objectives**

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

- Describe the change in fatty acid balance in the early postpartum period and its medical implications.
- Discuss the impact of lipid emulsion choice on fatty acid balance.
- Detail the biological impact of arachidonic acid in organogenesis, immune ontogeny, and development.

### ACGME/ABMS Competencies

- Medical Knowledge
- Practice-based Learning and Improvement

### IOM Competencies

- Provide Patient-Centered Care

### **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)