

ON-DEMAND VIEWING

Go to course



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Free CE course

## From Probiotics to Biotherapeutics in the NICU

Presented by Teresa del Moral, MD, MPH, at Miami Neonatology 2025

This presentation traces the evolution of microbiome-based interventions in the NICU, from traditional probiotic supplementation to regulated live biotherapeutic products. Dr. del Moral reviews mechanisms of dysbiosis in preterm infants, evidence for NEC prevention, and limitations of current probiotic formulations. The session highlights safety data, regulatory frameworks, and recent trial data evaluating pharmaceutical-grade biotherapeutics. By contrasting probiotic supplements with biotherapeutics, the activity contextualizes current gaps in knowledge and future directions for safely restoring microbiome balance in vulnerable neonatal populations.

### Learning Objectives

- Summarize the evidence supporting probiotics for NEC prevention, including strain-specific differences
- Distinguish between dietary probiotic supplements and live biotherapeutic products based on regulatory and safety standards
- Evaluate emerging clinical trial data on biotherapeutic interventions for NEC prevention in preterm infants



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Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 0.5 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.

### Activity Format

This activity is an online enduring material. Successful completion is achieved by reading and/or viewing the material, reflecting on its implications in your practice, and completing the assessment component.

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