Welcome to the **Advances in Neonatal and Pediatric Nutrition 2017 conference**. The purpose of this conference is to provide education in a number of areas that affect each of our practices from the perinatal to pediatric period.

Nutrition experts from around the continent will highlight some of the most exciting areas in nutrition over the past few years. This conference was planned to meet the specific needs of the diverse registrants and stakeholders interested in perinatal, neonatal and pediatric nutrition, and will include:

- Audience engagement and conversation with panel experts
- Small group workshops
- Opportunities to interact and network

**Needs Assessment**

The practice of neonatology and pediatrics depends heavily on a thorough understanding of best nutritional practices with a sound pathophysiologic and scientific basis for these practices. Neonatal and pediatric healthcare providers are challenged first by often limited training in nutrition through their undergraduate, medical/nursing, and postgraduate training. Regardless, healthcare providers need to keep up with the fast-growing literature. Nutrition knowledge continues to expand and into more specialized needs for unique patient subgroups. Examples of this include focused nutritional management of patients with celiac disease, inflammatory bowel disease, and short bowel syndrome. There is a significant gap in knowledge and less than ideal practices in fully optimizing nutritional support for of infants and children who are at nutritional risk. Improved clinician understanding of the biologic effects of specific nutrients on the mechanisms of disease will help address these gaps. There is a strong need first fill in a knowledge foundation and framework for nutritional sciences that includes understanding of early human milk intake, of food we feed infants and children, how individual nutrients function specifically on growth and development but also on a metabolic level in the body. These general deficiencies in nutrition knowledge leads to difficulties in applying the knowledge to practice with the highest level of nutritional competency and consequently may not support good performance in their practice. These gaps in knowledge, competency, and performance have been identified through literature review, and research findings from the medical literature and prior activity feedback. Some of the key areas to continue to focus our attention on include food allergies, the emerging importance of the microbiome to health and disease, determinants of growth and long-term neurodevelopment, and the impact of specific nutrients on overall health.

**Target Audience**

Physicians, dietitians, registered nurses, nurse practitioners, nurse midwives, physician assistants, educators, pharmacists, and other healthcare professionals interested in the nutritional requirements of high risk pregnant mothers, preterm infants and pediatric patients.

**Educational Objectives**

Upon completion of this activity, participants should be able to:

- Discuss the importance of early and sustaining nutrition on the development and progression of conditions such as metabolic syndrome, obesity, celiac disease, cystic fibrosis, inflammatory bowel disease, allergy and autoimmunity
- Describe the strategies to improve nutrition for the preterm baby to optimize both short and long term health outcomes especially those that improve neurodevelopmental outcomes
- Identify the current advances and practices in perinatal, neonatal and pediatric nutrition, including citing new parenteral and enteral products and their roles in nutrition practice
Cultural and Linguistic Competency: This activity is in compliance with California Assembly Bill 1195 which requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. Cultural competency is defined as a set of integrated attitudes, knowledge, and skills that enables health care professionals or organizations to care effectively for patients from diverse cultures, groups, and communities. Linguistic competency is defined as the ability of a physician or surgeon to provide patients who do not speak English or who have limited ability to speak English, direct communication in the patient’s primary language. Cultural and linguistic competency was incorporated into the planning of this activity. Additional resources can be found on the UC San Diego CME website.

Accreditation

The University of California, San Diego School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA: The University of California, San Diego School of Medicine designates this live activity for a maximum of 16.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAPA: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit(s)™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 16.25 hours of Category 1 credit for completing this program.

Registered Dieticians: This activity has been approved by the Commission on Dietetic Registration (CDR) for 16.5 CPEUs (CPE Level 1, 2 & 3).

Nurses: The University of California, San Diego Medical Center Nursing Education Research and Development is approved by the California Board of Registered Nursing to sponsor continuing education. Provider Number "CEP55".

To claim credit and evaluate this course:

Please visit http://cme.ucsd.edu/evaluation to complete the overall evaluation for this course online. Select this course from the list of activities.

When prompted, use the access code PEDS2017.

Once you complete and submit your evaluation, your certificate will be available immediately for download. The last day to claim credit online is September 10, 2017.

Questions? Contact UC San Diego Continuing Medical Education at 888-229-6263 or ocme@ucsd.edu

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If you are having trouble connecting please be sure that you have only one wireless utility active on your computer and if necessary, turn off your firewall.