

Title: On Demand Webinar: Sodium and Zinc: Essential for Pediatric Growth and Development

Program Instructions:

1. Watch the session video in full
2. Review the available handouts
3. Take the session exam under the **CE Information** tab
4. Access your CE Transcript from the **CE Transcript** tab after clicking **My Account**

CE credit available for dietitians, nurses, pharmacists, and physicians

Total Credit Hours: 1.5

On-Demand Activity Start Date: January 26, 2023

On-Demand Activity Expiration Date (all CE credit must be claimed by the expiration date): January 26, 2024

FACULTY AND TOPICS

Zinc in the Growth and Development of Pediatric Patients

Stephanie Gilley, MD, PhD

Assistant Professor, Section on Nutrition, Department of Pediatrics, University of Colorado School of Medicine, Aurora, CO

Sodium: Essential for Neonatal and Pediatric Growth & Development

Ravi Mishra, MBBS, MD, FAAP

NICU Medical Director, Advocate Illinois Masonic Medical Center, Chicago, IL

MODERATOR

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Associate Professor of Pediatrics, Medical University of South Carolina, Charleston, SC

Format: **Online as MP3/MP4 files and PDF Handouts**

On Demand Webinar Activity Overall Goal:

This CE activity serves to promote the process of life-long learning for physicians, dietitians, pharmacists, and nurses who specialize in the sciences of clinical nutrition and metabolism.

Goal and Target Audience:

This educational activity is directed toward clinical nutrition and metabolism professionals and others who wish to update their knowledge of clinical nutrition and metabolism. By participating in this educational activity, the reader may expect to:

- Acquire knowledge in the area of clinical nutrition and metabolism research.
- Update or confirm your understanding of appropriate clinical nutrition and metabolism practices.
- Identify further learning needs as they relate to the subject matter.

Webinar Description:

The essential job of childhood is growth and development. Growth and development are supported by adequate macronutrient intake in addition to proper intake and homeostasis of trace elements and electrolytes. Pediatric patients, especially neonates or those with intestinal malabsorption, are at risk for deficiencies of these dietary components. As experts in nutrition, our job is to prescribe, monitor, and adjust the nutrition regimen of our patients to maximize their success.

This webinar aims to give the attendee an overview of two of these important dietary components; zinc and sodium. Speakers will discuss the role of these components in growth and development of patients, which patients are at risk of altered zinc or sodium homeostasis, and how to monitor and administer supplemental zinc and sodium when needed.

Learning Objectives:

1. Describe the role of sodium and zinc in the growth and development of the neonate and pediatric patients.
2. Identify the patient populations that are most vulnerable to deficiencies in zinc and sodium.
3. Know when and how to measure for deficiencies and how to supplement zinc and/or sodium in our pediatric patients.

Speaker Credentials and Affiliations:

Stephanie Gilley, MD, PhD

Assistant Professor, Section on Nutrition, Department of Pediatrics, University of Colorado School of Medicine, Aurora, CO

Ravi Mishra, MBBS, MD, FAAP

NICU Medical Director, Advocate Illinois Masonic Medical Center, Chicago, IL

Requirements for Successful Completion:

To obtain CE credit for this activity, attendees must listen to the education recording, complete an online knowledge assessment for the education recording achieving a score of 100%, and complete an online activity evaluation. All CE credit must be claimed prior to the expiration date, no exceptions.

Pharmacists must provide their NABP e-PID and birthday (MMDD) when claiming credit to enable ASPEN to upload credit claimed to the CPE monitor. Failure to provide accurate information by the expiration date for claiming CE credit can result in an inability for the earned credit to be uploaded to the CPE monitor and thus not appear in the pharmacist's NABP profile. Detailed information is available here: https://www.nutritioncare.org/Continuing_Education/Claim_CE_Credit/Continuing_Education_Credit/.

Accreditation Statement


In support of improving patient care, The American Society for Parenteral and Enteral Nutrition (ASPEN) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

ASPEN designates this enduring activity for a maximum of 1.5 *AMA PRA Category 1 Credits™* per activity. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Pharmacists: ASPEN designates this activity for a maximum of 1.5 contact hours/0.15 CEUs. ACPE UAN: JA0002345-0000-23-040-H99-P. Knowledge Activity.

Nurses: ASPEN designates this activity for a maximum of 1.5 nursing contact hours. ASPEN is approved as a provider of continuing nursing education by the California Board of Nursing, provider number CEP3970.

Dietitians: ASPEN designates this activity for a maximum of 1.5 CPEUs.

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|  <p>Commission on Dietetic Registration the credentialing agency for the Academy of Nutrition and Dietetics</p> | <p>Completion of this RD/DTR profession-specific or IPCE activity awards CPEUs (One IPCE credit = One CPEU). If the activity is dietetics-related but not targeted to RDs or DTRs, CPEUs may be claimed which are commensurate with participation in contact hours (One 60 minute hour = 1 CPEU). RD's and DTRs are to select activity type 102 in their Activity Log. Sphere and Competency selection is at the learner's discretion.</p> |
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This activity was planned by and for the healthcare team, and learners will receive (1.5) Interprofessional Continuing Education (IPCE) credit for learning and change.

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Grievances. Grievances must be submitted in writing to Senior Director, Education and Research at ASPEN, 8401 Colesville Road, Ste 510, Silver Spring, MD 20910.

Computer Requirements and Technical Support:

Participants will need a computer with internet connection, and it is recommended that end users' devices satisfy the following requirements:

- OS: Windows, Mac
- Browser: Firefox 52+, Chrome 58+, Safari 10+, Microsoft Edge 14+
- Javascript & Cookies enabled
- Recommended RAM: 512MB+

Mobile support

- Iphone 5s+ - Safari Browser - IOS 9+
- Ipad 2+ - Safari Browser - IOS 9+
- Android Running 4.0+ - Chrome Browser

For technical difficulties, please contact Broadcastmed Customer Support:

by phone: **1.860.953.2900**

Phone support is available 8am-8pm EST Monday through Friday.

by email: support@broadcastmed.io

Refund Policy. Refunds are not available.

Commercial Support and Sponsorship: No commercial support was received for this on demand educational activity.

Disclosures and Relevant Financial Relationships for Faculty and Planning Committee Members

The following individuals have no relevant financial relationships with ineligible companies: Ravi Mishra, Adeeba Spann, Ajanta Raman, Blair Brown, Candi Jump, Christopher Sprinzyk, Claudia Maza, Erin Shepherd, Hannah Piper, Jaime Avila, Jana Ponce, Jessica Monczka, Joanna Helm-Cummings, Joel Rush, JUVY MARTILLOS-SY, Karrie Derenski, Katie Mathias, Kelly Green Corkins, Kristin Izzo, Kyle Hampson, Lacey Harter, Laura Gearman, Leah Hoffman, Leslie Goudarzi, Mary Pat Turon-Findley, Mireille Hamdan, Monica Agarwal, Moriah Bellissimo, Rachel Ludke, Ryan Garst, Sandra Kless, Sandra Mayol-Kreiser, Silvia Figueiroa Da Cruz, Soodeh Nezamabadi, Victoria Pehling

ASPEN staff have no relevant financial relationships with ineligible companies.

Stephanie Gilley, Bobbie, Grant Funding

Carol Rollins: Baxter, independent contractor for Channel ONE advisory committee and iCAN presentations

Catherine Larson-Nath: Nutricia, advisory board, relationship ended

Manpreet Mundi: Fresenius Kabi - research grant; Nestle - research grant; Real Food Blends - research grant; Baxter - advisory board, relationship ended; Vectiv Bio - research grant

Mary Petrea Cober: CAPS/Bbraun - consulting; Baxter - consulting, relationship ended; Fresenius Kabi - consulting, relationship ended; Lexi-Comp – consulting

Melissa Hughey: Fresenius Kabi - advisory board, relationship ended

Rhone Levin: Abbott Nutrition Health Institute, author and speaker, relationship ended

Sarah Cogle: Fresenius Kabi - study investigator, relationship ended

All relevant financial relationships have been mitigated.

Note: an ineligible company is one whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. For specific examples of ineligible companies visit accme.org/standards.

Financial relationships are relevant if the following three conditions are met for the prospective person who will control content of the education:

- A financial relationship, in **any amount**, exists between the person in control of content and an ineligible company.
- The financial relationship existed during the past **24 months**.
- The content of the education is related to the products of an ineligible company with whom the person has a financial relationship.