

	<b>COMMENTARY</b>
<b>e1</b>	<b>Coming Down the Home Stretch</b> Alistair G.S. Philip
	<b>ARTICLES</b>
<b>e3</b>	<b>The Status of US Neonatal Nurse Practitioner Education in 2015–2016</b> Roger E. Sheldon, Robin Bissinger, Carole Kenner, Suzanne Staebler
<b>e22</b>	<b>What—and Why—the Neonatologist Should Know About Twin-To-Twin Transfusion Syndrome</b> Joseph M. Bliss, Stephen R. Carr, Monique E. De Paepe, Francois I. Luks
<b>e33</b>	<b>Diabetes Mellitus in Pregnancy</b> Desmond M. Sutton, Christina S. Han, Erika F. Werner
<b>e44</b>	<b>Primer on Microcephaly</b> Alison Chu, Taylor Heald-Sargent, Joseph R. Hageman
<b>e52</b>	<b>Seizures in the Preterm Neonate</b> Lekha M. Rao, Charles J. Marcuccilli
<b>e60</b>	<b>Legal Briefs: Did Vacuum Extraction Use Cause Brain Injury?</b> Maureen E. Sims
	<b>INDEX OF SUSPICION IN THE NURSERY</b>
<b>e63</b>	<b>Case 1: Seizures and Rashes Do Run in the Family</b> Amit Hochberg, Sylvia Foldi, Erez Nadir, Roni Shreter, Muhammad Mahajnah, Michael Feldman
<b>e67</b>	<b>Case 2: The Inconsolable Newborn</b> Marina Migliore
<b>e70</b>	<b>Visual Diagnosis: Sudden Onset of Neurologic Dysfunction in a Preterm Infant</b> Vidit Bhargava, Soham Dasgupta, Monica Huff, Sunil K. Jain
<b>e75</b>	<b>Strip of the Month: January 2017</b> Maurice L. Druzin, Nancy Peterson

**Editor-in-Chief:** Alistair G.S. Philip, *Palo Alto, CA*  
**Deputy Editor:** Dara Brodsky, MD, *Boston, MA*  
**Associate Editor:** Josef Neu, *Gainesville, FL*  
**Assistant Editor, CME:** Henry C. Lee, *Palo Alto, CA*  
**Editorial Fellow:** Alison Chu, *Los Angeles, CA*

**EDITORIAL BOARD**

Rita Dadiz, *Rochester, NY*  
 Sergio Golombek, *Valhalla, NY*  
 Joseph R. Hageman, *Evanston, IL*  
 Ivan Hand, *Brooklyn, NY*  
 Martin Keszler, *Providence, RI*  
 Karen M. Puopolo, *Philadelphia, PA*  
 Renate D. Savich, *Jackson, MS*  
 Michael P. Sherman, *Columbia, MO*  
 Akshaya J. Vachharajani, *St. Louis, MO*  
 Thomas E. Wiswell, *Honolulu, HI*  
 Santina A. Zanelli, *Charlottesville, VA*

**Founding Editor:** William W. Hay Jr, *Denver, CO*

**International Advisory Board:**

Malcolm Battin, *Auckland, New Zealand*  
 Matts Blennow, *Stockholm, Sweden*  
 Jose Diaz Rossello, *Montevideo, Uruguay*  
 Jeanie Cheong, *Victoria, Australia*  
 Lizhong Du, *Hangzhou, Zhejiang, P.R. China*  
 Janusz Gadzinowski, *Poznan, Poland*  
 Gorm Greisen, *Copenhagen, Denmark*  
 Hercilia Guimaraes, *Maia, Portugal*  
 Kazushige Ikeda, *Tokyo, Japan*  
 Helen Mactier, *Glasgow, Scotland*  
 Jorge César Martinez, *Buenos Aires, Argentina*  
 Frank Pohlandt, *Ulm, Germany*  
 Francesco Raimondi, *Naples, Italy*  
 Siddarth Ramji, *New Delhi, India*  
 Eric Shinwell, *Jerusalem, Israel*  
 Umberto Simeoni, *Marseille, France*  
 Bo Sun, *Shanghai, China*  
 Cleide Trindade, *Sao Paulo, Brazil*  
 Maximo Vento, *Valencia, Spain*  
 Andrew Whitelaw, *Bristol, United Kingdom*  
 David Woods, *Cape Town, South Africa*  
 Tsu-Fuy Yeh, *Taichung, Taiwan*  
 Khalid Yunis, *Beirut, Lebanon*

**Liaison, NeoReviewsPlus Self-Assessment**

William A. Engle, *Indianapolis, IN*

**Liaison, Council on International Neonatal Nurses:**

Carole Kenner, *Ewing, NJ*

**Liaison, National Association for Neonatal Nurses:**

Carol Wallman, *Denver, CO*

**Managing Editor:** Luann Zanzola

**Publications Editor:** Sara Strand

**Publisher:** American Academy of Pediatrics

**Department of Publishing Director:** Mark Grimes

**Division of Journal Publishing Director:** Joseph Puskarz

**NeoReviews™**

(ISSN 1526-9906) is owned and controlled by the American Academy of Pediatrics. It is published monthly by the American Academy of Pediatrics, 141 Northwest Point Blvd, Elk Grove Village, IL 60007-1098. Statements and opinions expressed in *NeoReviews™* are those of the authors and not necessarily those of the American Academy of Pediatrics or its Committees. Recommendations included in this publication do not indicate an exclusive course of treatment or serve as a standard of medical care. Subscription price for *NeoReviews™* for 2017: AAP/CPS Member \$125; AAP National Affiliate Member \$95; Nonmember \$160; AAP In-Training Member, \$95; Nonmember In-Training / Allied Health, \$115; AAP Perinatal Section Member \$115. Institutions call for pricing (866-843-2271).

© AMERICAN ACADEMY OF PEDIATRICS, 2017. All rights reserved. Printed in USA. No part may be duplicated or reproduced without permission of the American Academy of Pediatrics. POSTMASTER: Send address changes to NEOREVIEWS™, American Academy of Pediatrics, 141 Northwest Point Blvd, Elk Grove Village, IL 60007-1098.

**NeoReviews™ is supported, in part, through an educational grant from Abbott Nutrition, a division of Abbott Laboratories, Inc.**

**NeoReviews™ Editorial Board Disclosures**

The American Academy of Pediatrics (AAP) Policy on Disclosure of Financial Relationships and Resolution of Conflicts of Interest for AAP CME Activities is designed to ensure quality, objective, balanced, and scientifically rigorous AAP CME activities by identifying and resolving all potential conflicts of interest before the confirmation of service of those in a position to influence and/or control CME content.

All individuals in a position to influence and/or control the content of AAP CME activities are required to disclose to the AAP and subsequently to learners that the individual either has no relevant financial relationships or any financial relationships with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in CME activities. Commercial interest is defined as any entity producing, marketing, reselling or distributing health-care goods or services consumed by, or used on, patients.

Each of the editorial board members, reviewers, question writers, and staff has disclosed, if applicable, that the CME content he/she edits/ writes/reviews may include discussion/reference to generic pharmaceuticals, off-label pharmaceutical use, investigational therapies, brand names, and manufacturers.

None of the editors, board members, reviewers, question writers, or staff has any relevant financial relationships to disclose unless noted below. The AAP has taken steps to resolve any potential conflicts of interest.

**Disclosures**

- Sergio Golombek, MD, MPH, disclosed that he is on the speaker bureau of IKARIA, Inc.; has a clinical trial relationship with Chiesi, Inc.; and is on the speaker bureau and has honoraria support from Prolecta Bioscience, Inc.
- Carole Kenner, PhD, RN, disclosed that she had a grant for education/research from Novo Nordisk.
- Martin Keszler, MD, has disclosed that he has a research grant for a multicenter clinical trial and has received speaker honoraria from Draeger Medical, Inc.; and that he participates in Data Safety Monitoring Boards with Chiesi Pharmaceutical, Medipost America, Inc., and Therabron Therapeutics, Inc. Medipost America, Inc.
- Josef Neu, MD, has disclosed he has research grants and serves on the Scientific Advisory Boards of Medala and Infant Bacterial Therapeutics.
- Carol Wallman, DNP, APRN, NNP-BC, has disclosed she has stocks/bonds with Biogen and CVS Health.
- Thomas Wiswell, MD, disclosed that he is a member of a Data Safety Monitoring Board with Draeger Medical, Inc.

**Answer Key appears on page e83.**

*NeoReviews* offers 24 CME articles per year. A maximum of one *AMA PRA Category 1 Credit™* is earned after achieving a 60% score on each designated quiz.

**CME statements:**

The American Academy of Pediatrics (AAP) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The AAP designates this journal-based CME activity for a maximum of 1.00 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity is acceptable for a maximum of 1.00 AAP credit. These credits can be applied toward the AAP CME/CPD\* Award available to Fellows and Candidate Members of the AAP.

The American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME. Physician assistants may receive a maximum of 1.00 hour of Category 1 Credit for completing this program.

This program is accredited for 1.00 NAPNAP CE contact hour; pharmacology (Rx) and psychopharmacology contact hours to be determined per the National Association of Pediatric Nurse Practitioners (NAPNAP) Continuing Education Guidelines.

It has been established that each CME activity will take the learner approximately 1 hour to complete.

\*Continuing Professional Development

**How to complete this activity**

*NeoReviews* can be accessed and reviewed in print or online at <http://neoreviews.aappublications.org>. Learners can claim credit monthly online upon completion of each CME article. The deadline for completing this activity is December 31, 2019. Credit will be recorded in the year in which it is submitted. It is estimated that it will take approximately 1 hour to complete each CME article. This activity is not considered for CME credit. Downloaded from <http://neoreviews.aappublications.org/> by guest on April 20, 2017. activity to the provider via online submission of answers. Course evaluations are online.

**Updated Information & Services**

including high resolution figures, can be found at:  
<http://neoreviews.aapublications.org/content/18/1.citation>

**Permissions & Licensing**

Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at:  
<https://shop.aap.org/licensing-permissions/>

**Reprints**

Information about ordering reprints can be found online:  
<http://classic.neoreviews.aapublications.org/content/reprints>



**18 (1)**  
*NeoReviews* 2017;18:e44

The online version of this article, along with updated information and services, is located on the World Wide Web at:  
<http://neoreviews.aappublications.org/content/18/1.citation>

Neoreviews is the official journal of the American Academy of Pediatrics. A monthly publication, it has been published continuously since 2000. Neoreviews is owned, published, and trademarked by the American Academy of Pediatrics, 141 Northwest Point Boulevard, Elk Grove Village, Illinois, 60007. Copyright © 2017 by the American Academy of Pediatrics. All rights reserved. Online ISSN: 1526-9906.

**American Academy of Pediatrics**

DEDICATED TO THE HEALTH OF ALL CHILDREN<sup>®</sup>

