

Editorial Staff

Editor in Chief: Alistair G.S. Philip, *Palo Alto, CA*
Associate Editor: Josef Neu, *Gainesville, FL*
Assistant Editor, CME: Henry C. Lec, *Palo Alto, CA*
Assistant Editor, Visual Diagnosis, Video Corner: JoDec Anderson, *Portland, OR*

Editorial Board:

Dara Brodsky, *Boston, MA*
Sergio Golombek, *Valhalla, NY*
Joseph R. Hageman, *Evanston, IL*
Ivan Hand, *Great Neck, NY*
M. Gary Karlowicz, *Norfolk, VA*
Jane McGowan, *Philadelphia, PA*
Karen M. Puopolo, *Boston, MA*
Renate Savich, *Albuquerque, NM*
Karen Shattuck, *Galveston, TX*
Michael P. Sherman, *Columbia, MO*

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*
Janusz Gadzinowski, *Poznan, Poland*
Gorm Greisen, *Copenhagen, Denmark*
Kazushige Ikeda, *Tokyo, Japan*
Ian Laing, *Edinburgh, Scotland*
Frank Pohlandt, *Ulm, Germany*
Jorge César Martínez, *Buenos Aires, Argentina*
J. Jane Pillow, *Subiaco, Western Australia*
Siddarth Ramji, *New Delhi, India*
Francesco Raimondi, *Naples, Italy*
Eric Shinwell, *Jerusalem, Israel*
Bo Sun, *Shanghai, China*
Cleide Trindade, *Sao Paulo, Brazil*
Maximo Vento, *Valencia, Spain*
Andrew Whitelaw, *Bristol, United Kingdom*
David Woods, *Cape Town, South Africa*
Khalid Yunis, *Beirut, Lebanon*
Tsu-Fuy Yeh, *Taichung, Taiwan*

Liaison, Council on International Neonatal Nurses:

Carole Kenner, *Boston, MA*

Liaison, National Association for Neonatal Nurses:

Susan Reinarz, PhD, DNP, ARNP, NNP-BC, *Grand Prairie, TX*

Managing Editor: Luann Zanzola

Editorial Associate: Sara Strand

Publisher: American Academy of Pediatrics

Associate Executive Director for Education: Robert Perelman

Division of Scholarly Journals Director: Michael Held

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 2014: AAP Member \$118; AAP National Affiliate Member \$89; Nonmember \$134; Allied Health/In-training \$104; AAP Perinatal Section Member \$104. Institutions call for pricing (866-843-2271).

© AMERICAN ACADEMY OF PEDIATRICS, 2014. 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

- JoDec Anderson, MD, MEd, FAAP, disclosed that she has a paid consultant relationship with SimHealth and the STABLE Program.
- Josef Neu, MD, FAAP, disclosed that he serves as a consultant to Abbott Nutrition, BioGaia, Mead Johnson, Medela, and Fonterra Foods; he receives honoraria from Nestlé and Danone; and he has research grants with Covidien and Gerber.

contents

NeoReviews™

Vol.15 No.4 April 2014

Articles

e116

Antimicrobial Stewardship in the NICU: Lessons We've Learned

Colleen Nash, Elisabeth Simmons, Palak Bhagat, Allison Bartlett

e123

NICU Follow-up: Medical and Developmental Management Age 0 to 3 Years

Bree Andrews, Matthew Pellerite, Patrick Myers, Joseph R. Hageman

e133

Principles of Use of Biostatistics in Research

Veena Manja, Satyan Lakshminrusimha

e151

Index of Suspicion in the Nursery

Case 1: Factitious Disorder by Proxy in the NICU: Is That Possible? Case 2: Poor Feeding in a 7-day-old Female

Case 1: Amit Hochberg, Sylvia Foldi, Erez Nadir, Michael Feldman
Case 2: Shahnawaz Amdani, Nydia Hernandez, Magda Mendez

e155

Strip of the Month: April 2014

Amy Doss, Leonardo Pereira

e163

Video Corner: Needle Aspiration of the Pneumothorax

Sandra Leibel, Akshaya Vachharajani

e166

Visual Diagnosis: Black Lesion on the Tongue

Radhika Narang, Kavya Puranik, Mary Marron-Corwin

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, 2016. Credit will be awarded for each CME article. The deadline for completing this activity is December 31, 2016. Credit will be awarded for each CME article. This activity is not considered to have been completed until the learner documents participation in that activity to the provider via online submission of answers. Course evaluations are online.

Answer key appears on page e154.

Updated Information & Services

including high resolution figures, can be found at:
<http://neoreviews.aapublications.org/content/15/4.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>



15 (4)
NeoReviews 2014;15:e155

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/15/4.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 © 2014 by the American Academy of Pediatrics. All rights reserved. Online ISSN: 1526-9906.

American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN[®]

