

Editor-in-Chief: Lawrence F. Nazarian, *Rochester, NY*
Deputy Editor: Joseph A. Zenel, *Sioux Falls, SD*
Associate Editor: Tina L. Cheng, *Baltimore, MD*
Editor, In Brief: Henry M. Adam, *Bronx, NY*
Consulting Editor, In Brief: Janet Serwint, *Baltimore, MD*
Editor, Index of Suspicion: Deepak M. Kamat, *Detroit, MI*
Consulting Editor Online and Multimedia
 Projects: Laura Ibsen, *Portland, OR*
Editor Emeritus and Founding Editor:
 Robert J. Haggerty, *Canaan, NY*
Managing Editor: Luann Zanzola
Medical Copyediting: Dartmouth Journal Services
Editorial Associates: Kathleen Bernard, Erin Carlson
Editorial Office: Department of Pediatrics
 University of Rochester
 School of Medicine & Dentistry
 601 Elmwood Avenue, Box 777
 Rochester, NY 14642
 kbernard@aap.org

Editorial Board
 Hugh D. Allen, *Columbus, OH*
 Denise Bratcher, *Kansas City, MO*
 Brian Carter, *Nashville, TN*
 Joseph Croffie, *Indianapolis, IN*
 B. Anne Eberhard, *New Hyde Park, NY*
 Philip Fischer, *Rochester, MN*
 Lynn Garfunkel, *Rochester, NY*
 Rani Gereige, *Miami, FL*
 Lindsey Grossman, *Springfield, MA*
 Patricia Hamilton, *London, United Kingdom*
 Jacob Hen, *Bridgeport, CT*
 Jeffrey D. Hord, *Akron, OH*

Michael Macklin, *Cleveland, OH*
 Susan Massengill, *Charlotte, NC*
 Jennifer Miller, *Gainesville, FL*
 Blaise Nemeth, *Madison, WI*
 Carrie A. Phillips, *Portland, OR*
 Mobeen Rathore, *Jacksonville, FL*
 E. Steve Roach, *Columbus, OH*
 Renata Sanders, *Baltimore, MD*
 Thomas L. Sato, *Milwaukee, WI*
 Sarah E. Shea, *Halifax, Nova Scotia*
 Andrew Sirotiak, *Denver, CO*
 Miriam Weinstein, *Toronto, ON*

Publisher: American Academy of Pediatrics
 Michael J. Held, Director, Division of Scholarly Journals and Professional Periodicals

Pediatrics in Review®

(ISSN 0191-9601) 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 *Pediatrics in Review®* 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 2012 for print and online (online only): AAP/CPS Member \$189/\$141; AAP National Affiliate Member \$146/\$99; Nonmember \$231/\$179; Allied Health or In-training \$172/\$116.

Institutions call for pricing (\$66-\$43-\$271). For overseas delivery, add \$114. Current single issue price is \$10 domestic, \$12 international. Replacement issues must be claimed within 6 months from the date of issue and are limited to three per calendar year. Periodicals postage paid at ARLINGTON HEIGHTS, ILLINOIS and at additional mailing offices.

© AMERICAN ACADEMY OF PEDIATRICS, 2012. 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 PEDIATRICS IN REVIEW®, American Academy of Pediatrics Customer Service Center, 141 Northwest Point Blvd., Elk Grove Village, IL 60007-1098.

Pediatrics in Review

Print Issue 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, PREP Coordinating Committee members 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, PREP Coordinating Committee members, 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

- Athos Bousvaros, MD, MPH, FAAP, disclosed that he has research grants from Merck and UCB; and that he is a paid consultant and on the speaker bureau for Millennium.
- Blaise Nemeth, MD, MS, FAAP, has disclosed he has an unrestricted educational grant for fellowship from Biomet.
- Mobeen Rathore, MD, FAAP, disclosed that he is a consultant and on the speaker bureaus for GSK, Medimmune, Merck, Novartis, and Pfizer.
- Richard Sills, MD, FAAP, disclosed that he receives a research grant from Novartis.
- Rudolph Valentini has disclosed he receives a research grant from Abbott Laboratories.

contents

Pediatrics in Review® Vol.33 No.7 July 2012

Articles

291 Conjugated Hyperbilirubinemia in Children

David Brumbaugh, Cara Mack

303 Juvenile Idiopathic Arthritis

Maria Espinosa, Beth S. Gottlieb

314 Sudden Infant Death Syndrome: An Update

Rachel Y. Moon, Linda Fu

321 Question From the Clinician: Risk of Thrombophilia

Leonardo R. Brandao, George B. Segel

323 Ethics for the Pediatrician: The Evolving Ethics of Cochlear Implants in Children

John D. Lantos

Index of Suspicion

Case 1: Limp in a 23-month-old Girl

Case 2: Abnormal Eyelashes in 17-year-old Boy Who Has Congenital Heart Disease

327 Case 3: Fever, Pharyngitis, and Chest Pain in a 9-year-old Boy

Case 1: Eileen Stewart

Case 2: Shalea Piteau, Michael Storr, Jennifer MacKenzie

Case 3: Angela Hartsell, Suresh Nagappan

In Briefs

332 Colic

Gail M. Cohen, Laurie W. Albertini

333 Marijuana

Daniel R. Neuspiel

Online-only Articles

Abstract appears on page 335.

e49 Visual Diagnosis: An 11-year-old Girl Who Has Left Leg Pain

Moshe Shapira, Josephine Issakov, Mark Eidelman



Pediatrics in Review® is supported, in part, through an educational grant from Abbott Nutrition, a division of Abbott Laboratories, Inc.



Cover: The artwork on the cover of this month's issue is by one of the winners of our 2011 Cover Art Contest, Sadie C. of Fairfield, OH. Sadie's pediatrician is Gail Chang, MD.

Answer Key for June Issue:

Gastroesophageal Reflux: 1. D; 2. C; 3. B; 4. B; 5. C

Bronchopulmonary Dysplasia: 1. D; 2. A; 3. E; 4. A; 5. E

Performance-Enhancing Drugs: 1. C; 2. A; 3. B; 4. C; 5. E

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.

Pediatrics in Review offers 36 CME articles per year. A maximum of one AMA PRA Category 1 Credit™ is earned after achieving a 60% score on each designated quiz. The AAP designates this journal-based CME activity for a maximum of one 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 36 AAP credits. 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 accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

This program is approved for 36 NAPNAP CE contact hours; pharmacology (Rx) contact hours to be determined per the National Association of Pediatric Nurse Practitioners (NAPNP) Continuing Education Guidelines.

*Continuing Professional Development

How to complete this activity:

Pediatrics in Review can be accessed and reviewed in print or online at <http://pedsinreview.aappublications.org>. Learners can claim credit monthly online upon completion of each CME article. The deadline for completing this activity is December 31, 2014. 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 to have been completed until the learner documents participation in that activity to the provider via online submission of answers. Course evaluations will be required online.