ARTICLES

195  The Interplay between Pharmacokinetics and Pharmacodynamics
    Tracy L. Sandritter, Matthew McLaughlin, Michael Artman, Jennifer Lowry

207  The Poisoned Pediatric Patient
    Michael S. Toce, Michele M. Burns

221  Juvenile Idiopathic Arthritis – Changing Times, Changing Terms, Changing Treatments
    Susan Shenoi

INDEX OF SUSPICION

233  Case 1: Left Breast Swelling in an 11-month-old Girl
    Tyler J. Williams, Jennifer Gibson, Lesli Taylor, Demetrio Macariola, Sugantha Krishnan, Callie Reeder

234  Case 2: Fever, Malaise, and Rash in a 4-year-old Girl
    Oscar Tamez-Rivera, Nataly Mercado, Amarante Gutiérrez-Martín

235  Case 3: Jaundice, Pallor, and Failure to Thrive in a 7-week-old Infant
    Brigid O’Brien, Brittany Middleton, Erica Cua, Alex Resnick, Cynthia H. Ho

236  Case 4: Fever and Bradycardia in an 8-month-old Girl
    Duncan Hau

237  Case 5: Fever and Hypoxia in a 17-year-old Boy Undergoing Cancer Chemotherapy
    Joana Mack, Amir Mian

238  Case 6: Isolated Bilateral Abducens Nerve Palsy after Closed Head Trauma in an 11-year-old Boy
    Nkeiruka Orajiaka, Prasanna Kapavarapu, Gulafsha Chaudhary, Leonid Topper, Logeswary Rajagopalan

IN BRIEFS

239  Standard Infant Formula and Formula Feeding–Cow Milk Protein Formulas
    Tracy P. Milbrandt

240  Correction

241  Specialized Infant Formulas
    Tracy P. Milbrandt

ONLINE

e17  Visual Diagnosis: An Unusual Cause of Chronic Cough in an Adolescent
    Samira Naime, Damian Maxwell, Kevin Maupin
The American Academy of Physician Assistants accepts certificates of participation for educational activities certified by the AAP.

Jeffrey D. Hord, Bronx, NY
Thomas C. Havranek, Associate Editor, Index of Suspicion: Rochester, NY
Lynn Garfunkel, Stephen E. Dolgin, New Hyde Park, NY

Pediatrics in Review®

Joseph Puskarz, Director, Division of Journal Publishing
Theresa Auld Bingemann, Eyal Ben-Isaac, Peter F. Belamarich, Associate Editor, Index of Suspicion: Denver, CO
Deputy Editor: Hugh D. Allen, Binghamton, NY
Deputy Editor: Courtney Wusthoff, MD
Deputy Editor: James Wilde, MD

The journal extends special thanks to the following question writers and ancillary reviewers who contributed to this issue:

• Janet Serwint, MD, FAAP, disclosed she has a clinical research grant from the Centers for Disease Control and Prevention for quality improvement for HPV vaccines.
• Michael Macknin, MD, FAAP, disclosed that: he and his wife each receive a free cruise for his seven one-hour talks annually on general pediatric subjects for University at Buffalo, NY; he receives a grant from the Wendel Family Foundation to fund a randomized study comparing various diets, and one member of the Wendel Family produced the film "Forks Over Knives," which describes the virtues of a vegan diet.
• Janet Servint, MD, FAAP, disclosed she has a clinical research grant from the Centers for Disease Control and Prevention for quality improvement for HPV vaccines.
• Andrew Sirotnak, MD, disclosed that he serves as an expert witness in cases of suspected child abuse.
• Miriam Weinstein, MD, has disclosed she receives research funding (through her hospital's foundation) from LaRoche-Posay.

The journal extends special thanks to the following question writers and ancillary reviewers who contributed to this issue:

– James Wilde, MD
– Courtney Wusthoff, MD

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.

2017 Pediatrics in Review® is approved for a total of 30 Maintenance of Certification (MOC) Part 2 credits by the American Board of Pediatrics through the AAP MOC Portfolio Program.

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 Pediatric Assistants 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:

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, 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 to have been completed until the learner documents participation in that activity to the provider via online submission of answers. Course evaluations are online.