

Table of Contents

Editorial Board

EDITOR

James A. Taylor, *Seattle, WA*

DEPUTY EDITOR

Leslie L. Barton, *Tucson, AZ*

ASSOCIATE EDITOR

Douglas J. Opel, *Seattle, WA*

CME QUESTION EDITOR

Robert Wittler, *Wichita, KS*

EDITORIAL BOARD

Deborah Badawi, *Baltimore, MD*

Kirsten Bechtel, *New Haven, CT*

Rebecca Brady, *Cincinnati, OH*

Susan L. Bratton, *Salt Lake City, UT*

Meghan Candee, *Salt Lake City, UT*

Esther K. Chung, *Seattle, WA*

Benjamin Doolittle, *New Haven, CT*

Mike Dubik, *Portsmouth, VA*

Patricia Fechner, *Seattle, WA*

William L. Hennrikus, *Hershey, PA*

Gloria Higgins, *Columbus, OH*

Mary-Jane Staba Hogan,
New Haven, CT

Daniel Lesser, *San Diego, CA*

Jonathan Mintzer, *Montclair, NJ*

Philip Rosenthal, *San Francisco, CA*

Cheryl Sanchez-Kazi, *Loma Linda, CA*

David Spar, *Cincinnati, OH*

Jeffrey Winer, *Memphis, TN*

Mission: To provide pediatricians with timely synopses and critiques of important new studies relevant to pediatric practice, reviewing methodology, significance, and practical impact, as part of ongoing CME activity.

AAP *Grand Rounds*[™] is published monthly by the American Academy of Pediatrics, 345 Park Blvd., Itasca, IL 60143. Copyright ©2021 American Academy of Pediatrics. All rights reserved.

Postmaster: Send address changes to *AAP Grand Rounds*, American Academy of Pediatrics, Customer Service Center, 345 Park Blvd., Itasca, IL 60143.

ISSN Numbers

Print: 1099-6605

Online: 1556-326X

Customer Service and Renewals: (866) 843-2271

Email Address: grandrounds@aap.org

Subscription Rates: AAP member \$102/year; non-member \$127/year (12 issues), including up to 18 AMA PRA Category 1 credit(s)[™].

Managing Editor: Will Larkin

Production: LSD DESIGN LLC

Editorial Associate: Carol Frost

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. Listed below are the disclosures provided by individuals in a position to influence and/or control CME activity content. A commercial interest is defined as any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.

Rebecca Brady, MD (Editorial Board Member) has disclosed research grant relationship with Merck, Novartis, Pfizer, GlaxoSmithKline.

Mike Dubik, MD (Editorial Board Member) has disclosed stock ownership in Roche, Gilead Sciences, Amgen; family stock ownership in Inspire Med Systems, Jazz Pharmaceuticals, Abbott Laboratories.

Patricia Fechner, MD (Editorial Board Member) has disclosed stock ownership in Abbott Laboratories, Abbvie; member of advisory board for Neurocrine Biosciences.

Philip Rosenthal, MD (Editorial Board Member) has disclosed research grant relationship with Gilead, Abbvie, Merck, Retrophin, Arrowhead; paid consultant relationship with Retrophin and Dicerna.

Cheryl Sanchez-Kazi, MD (Editorial Board Member) has disclosed she is a site PI for Kaneka Pharma America.

David Spar, MD (Editorial Board Member) has disclosed a paid consultant relationship with Anavex.

James Taylor, MD (Editor in Chief) has disclosed an employee relationship with Google.

HOSPITAL MEDICINE

p39 Characteristics Associated With Hospitalization for Croup

CRITICAL CARE

p40 Hypertonic Saline for Increased Intracranial Pressure

INFECTIOUS DISEASES

p41 Timing Is Everything: Early Antibiotics Improve Outcomes in Sepsis

HEMATOLOGY/ONCOLOGY

p42 Hemoglobin Transfusion Thresholds Outcomes for Preterm Infants

EMERGENCY MEDICINE

p43 Cervical Spine Injuries in Brain-Injured Children

NEUROLOGY

p44 Pseudotumor Cerebri in Children

DEVELOPMENT/BEHAVIOR

p45 Identifying Children Who “Lose” a Diagnosis of Cerebral Palsy

NEPHROLOGY

p46 Critical Role of Bladder/Bowel Dysfunction in Childhood UTI

RHEUMATOLOGY

p47 Mind the Jaw in Juvenile Idiopathic Arthritis

CME/MOC INFORMATION

2021 *AAP Grand Rounds* subscribers may claim a maximum of 18 AMA PRA Category 1 Credit(s)[™] upon completion of all the quiz questions over the course of their annual subscription. On a monthly basis, members may claim a maximum of 1.5 AMA PRA Category 1 Credit(s)[™].

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 enduring material for a maximum of 18.0 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity is acceptable for a maximum of 18.0 AAP credits. These credits can be applied toward the AAP CME/CPD Award available to Fellows and Candidate Members of the American Academy of Pediatrics.

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 18.0 hours of Category 1 credit for completing this program.

This program is accredited for 18.0 NAPNAP CE contact hours of which 0 contain pharmacology (Rx), (0 related to psychopharmacology) (0 related to controlled substances), content per the National Association of Pediatric Nurse Practitioners (NAPNAP) Continuing Education Guidelines.

2021 *AAP Grand Rounds* is approved for 18 points of MOC Part 2 credit by the American Board of Pediatrics through the AAP MOC Portfolio Program. All approved activities must be completed by the MOC credit approval end date. All deadlines and MOC point values should be confirmed on the ABP's web site and within each physician's ABP portfolio. Learners must complete a minimum of 5 quizzes from the 2021 issues, with a minimum passing score of 70% on each, to earn 18 MOC Part 2 points.

No product-specific advertising of any type appears in this activity. No links to product websites appear in this activity.