



To learn how to claim MOC points, go to: <http://www.aappublications.org/content/moc-credit>.

ARTICLES

- 55 Cystic Fibrosis**
Kimberly M. Dickinson, Joseph M. Collaco
- 68 Encephalitis in Previously Healthy Children**
Claire E. Fraley, David R. Pettersson, Dawn Nolt
- 78 Venous Thromboembolism in Pediatrics**
Jamie Shoag, Joanna A. Davis, Fernando F. Corrales-Medina

INDEX OF SUSPICION

- 90 Acute, Severe Abdominal Pain in a Non-Sexually Active Adolescent Female**
Sourik Beltrán, Polina Krass, Torsten Joerger, Jennifer H. Chuang
- 93 Respiratory Distress and Weight Loss in a 16-year-old Boy with a History of Pancreatitis**
Alexander Bowers, Nicholas Friedman, Jason Caboot
- 96 Fever and Seizure in an 11-month old Girl**
Avani Ganta, Adin Nelson, Carol Singer-Granick, Aditi Khokhar
- 100 Strange Behavior in a Transgender Teenager**
Salvador R. Maffei, Andrea Dean

IN BRIEFS

- 103 Bronchiectasis**
Sheema Gaffar, Wei-Wei Lee, John W. Harrington
- 106 Indwelling Lines**
Andrea Triplett, Kristen Zeller, Nicholas M. Potisek

VISUAL DIAGNOSIS

- e5 Recalcitrant Rash in a 7-month-old Infant**
Jennifer L. Thompson, Thomas B. Russell, George C. Koberlein, Leslie M. Cristiano

Answer Key appears on page 108.

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, 345 Park Blvd., Itasca, IL 60143.

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 2021 for print and online/online only: AAP/CPS Member \$225/\$173; AAP National Affiliate Member \$170/\$120; Nonmember \$280/\$220; AAP In-training Member \$170/\$120; Nonmember In-training/Allied Health \$200/\$140. Institutions call for pricing (866-843-2271). For overseas delivery, add \$120. Current single issue price is \$22 domestic, \$25 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, 2021. 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, 345 Park Blvd., Itasca, IL 60143.

Editor-in-Chief

Joseph A. Zenel, *Sioux Falls, SD*

Deputy Editor

Hugh D. Allen, *Houston, TX*

Associate Editor, Index of Suspicion

Lynn Garfunkel, *Rochester, NY*

Associate Editor, Visual Diagnosis

Mark F. Weems, *Memphis, TN*

Associate Editor, In Brief

Henry M. Adam, *Bronx, NY*

Associate Editor, In Brief

Janet R. Serwint, *Baltimore, MD*

Associate Editor, CME

Rani Gereige, *Miami, FL*

Editorial Fellow

Kriti Puri, *Houston, TX*

Managing Editor

Heidi Willis

Editorial Associate

Josh Sinason

Medical Copyeditor

Lisa Cluver

EDITORIAL BOARD

Robert D. Baker, *Buffalo, NY*

Peter F. Belamarich, *Bronx, NY*

Eyal Ben-Isaac, *Los Angeles, CA*

Roger L. Berkow, *Fairhope, AL*

Theresa Auld Bingemann, *Rochester, NY*

Rebecca C. Butterfield, *Albany, NY*

Heather Campbell, *Washington, DC*

Cynthia Christy, *Rochester, NY*

Stephen E. Dolgin, *New Hyde Park, NY*

Catherine Forster, *Washington, DC*

John G. Frohna, *Madison, WI*

Linda Y. Fu, *Washington, DC*

Timothy Garrington, *Aurora, CO*

Nupur Gupta, *Boston, MA*

Thomas C. Havranek, *Bronx, NY*

Kengo Inagaki, *Jackson, MI*

Bert Emil Johansson, *El Paso, TX*

Stephanie Lauden, *Columbus, OH*

Priya Mahajan, *Mission Viejo, CA*

Katie A. Meier, *Cincinnati, OH*

Jennifer S. Read, *Burlington, VT*

Jennifer A. Reed, *Sioux Falls, SD*

E. Steve Roach, *Austin, TX*

Samantha Vergano, *Norfolk, VA*

Melissa Weddle, *Portland, OR*

Miriam Weinstein, *Toronto, ON*

Shan Yin, *Cincinnati, OH*

Shabana Yusuf, *Houston, TX*

PUBLISHER American Academy of Pediatrics

Lee Savio Beers, President

Mark Del Monte, Chief Executive Officer/Executive Vice President

Mary Lou White, Chief Product Officer/Senior Vice President, Membership, Marketing and Publishing

Mark Grimes, Vice President, Publishing

Joseph Puskarz, Director, Journal Publishing

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

Philip Giampietro, MD

Laura Ibsen, MD, FAAP

Robert Wittler, MD, FAAP

CME/MOC INFORMATION:

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 36.0 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

In order to earn CME credits and/or ABP MOC Part 2 points, you must participate in this activity online at www.pedsinreview.org, where you will view additional information, complete your CME quizzes, and claim credit online.