

Most of the articles in *PEDIATRICS* have more content available online at [www.pediatrics.org](http://www.pediatrics.org).



= data file available online



= podcast available online



= video available online



= free access online



= funded by NIH

## contents

**General Information** A20



### PEDIATRICS PERSPECTIVES


**Celebrating Birthdays: An Update on the Status of Undergraduate Medical Education** 807  
*William V. Raszka Jr, Susan L. Bannister*

### ARTICLES

**Clinical Features That Identify Children With Primary Immunodeficiency Diseases** 810  
*Anbezhil Subbarayan, Gloria Colarusso, Stephen M. Hughes, Andrew R. Gennery, Mary Slatter, Andrew J. Cant, Peter D. Arkwright*

 **Early Onset Neonatal Sepsis: The Burden of Group B Streptococcal and *E. coli* Disease Continues** 817  
*Barbara J. Stoll, Nellie I. Hansen, Pablo J. Sánchez, Roger G. Faix, Brenda B. Poindexter, Krisa P. Van Meurs, Matthew J. Bizzarro, Ronald N. Goldberg, Ivan D. Frantz, III, Ellen C. Hale, Seetha Shankaran, Kathleen Kennedy, Waldemar A. Carlo, Kristi L. Watterberg, Edward F. Bell, Michele C. Walsh, Kurt Schibler, Abbot R. Laptook, Andi L. Shane, Stephanie J. Schrag, Abhik Das, Rosemary D. Higgins, for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network*

  **Risk-Taking Behaviors of Adolescents With Extreme Obesity: Normative or Not?** 827  
*Megan Benoit Ratcliff, Megan Benoit Ratcliff, Todd M. Jenkins, Jennifer Reiter-Purtill, Jennie G. Noll, Meg H. Zeller*

 **Vitamin D Status in Abused and Nonabused Children Younger Than 2 Years Old With Fractures** 835  
*Samantha Schilling, Joanne N. Wood, Michael A. Levine, David Langdon, Cindy W. Christian*



## contents

### ARTICLES (continued)

- FREE** **Victimization, Aggression, and Visits to the School Nurse for Somatic Complaints, Illnesses, and Physical Injuries** 842  
*Eric M. Vernberg, Timothy D. Nelson, Peter Fonagy, Stuart W. Twemlow*
- Early Childhood Stimulation Benefits Adult Competence and Reduces Violent Behavior** 849  
*Susan P. Walker, Susan M. Chang, Marcos Vera-Hernández, Sally Grantham-McGregor*
- FREE** **Preterm Birth and Attention-Deficit/Hyperactivity Disorder in Schoolchildren** 858  
*Karolina Lindström, Frank Lindblad, Anders Hjern*
- The Each Child Study: Systematic Screening for Autism Spectrum Disorders in a Pediatric Setting** 866  
*Judith S. Miller, Terisa Gabrielsen, Michele Villalobos, Rebecca Alleman, Natalie Wahmhoff, Paul S. Carbone, Brandon Segura*
- Outcomes of Laparoscopic Versus Open Fundoplication in Children's Hospitals: 2005–2008** 872  
*David Fox, Elaine Morrato, Elizabeth J. Campagna, Daniel I. Rees, L. Miriam Dickinson, David A. Partrick, Allison Kempe*
- FREE NIH** **Are Parents of Young Children Practicing Healthy Nutrition and Physical Activity Behaviors?** 881  
*Jerica M. Berge, Nicole Larson, Katherine W. Bauer, Dianne Neumark-Sztainer*
- The Relationship Between Hispanic Parents and Their Preschool-Aged Children's Physical Activity** 888  
*Rachel Ruiz, Sabina B. Gesell, Maciej S. Buchowski, Warren Lambert, Shari L. Barkin*
- NIH** **The Social Environment and Suicide Attempts in Lesbian, Gay, and Bisexual Youth** 896  
*Mark L. Hatzenbuehler*
- Validating Office-Based Screening for Psychosocial Strengths and Difficulties Among Youths in Foster Care** 904  
*Sandra H. Jee, Moira Szilagyi, Anne-Marie Conn, Wendy Nilsen, Sheree Toth, Constance D. Baldwin, Peter G. Szilagyi*
- NIH** **Educational Effectiveness of an HIV Pretest Video for Adolescents: A Randomized Controlled Trial** 911  
*Yvette Calderon, Ethan Cowan, Jillian Nickerson, Sheba Matthew, Jade Fettig, Michael Rosenberg, Christopher Brusalis, Katherine Chou, Jason Leider, Laurie Bauman*
- NIH** **Novel Approach to Parental Permission and Child Assent for Research: Improving Comprehension** 917  
*Theresa A. O'Lonegan, Jeri E. Forster-Harwood*



## contents

### REVIEW ARTICLES

- FREE** **Efficacy of Proton-Pump Inhibitors in Children With Gastroesophageal Reflux Disease: A Systematic Review** 925  
*Rachel J. van der Pol, Marije J. Smits, Michiel P. van Wijk, Taher I. Omari, Merit M. Tabbers, Marc A. Benninga*

### STATE-OF-THE-ART REVIEW ARTICLES

- NIH** **Robin Sequence: From Diagnosis to Development of an Effective Management Plan** 936  
*Kelly N. Evans, Kathleen C. Sie, Richard A. Hopper, Robin P. Glass, Anne V. Hing, Michael L. Cunningham*

### SPECIAL ARTICLES

- Pediatric Drug-Trial Recruitment: Enticement Without Coercion** 949  
*Carl L. Tishler, Natalie Staats Reiss*

### ONLINE ARTICLES—[www.pediatrics.org](http://www.pediatrics.org)

**Pediatrics digest available online at [www.pediatrics.org](http://www.pediatrics.org)**

- FREE** **Cost-effectiveness of Metered-Dose Inhalers for Asthma Exacerbations in the Pediatric Emergency Department** 955  
*Quynh Doan, Allan Shefrin, David Johnson*
- Computerized Physician Order Entry With Decision Support Decreases Blood Transfusions in Children** 955  
*Eloa S. Adams, Christopher A. Longhurst, Natalie Pageler, Eric Widen, Deborah Franzon, David N. Cornfield*
- Racial and Ethnic Differences in Use of Intubation for Periviable Neonates** 955  
*Brownsyne Tucker Edmonds, Corinne Fager, Sindhu Srinivas, Scott Lorch*
- Racial/Ethnic Disparities in Risk of Early Childhood Mortality Among Children With Congenital Heart Defects** 956  
*Wendy N. Nembhard, Jason L. Salemi, Mary K. Ethen, David E. Fixler, Angela DiMaggio, Mark A. Canfield*
- Evaluation of Immunization Rates and Safety Among Children With Inborn Errors of Metabolism** 957  
*Nicola P. Klein, Laurie Aukes, Janelle Lee, Bruce Fireman, Stuart K. Shapira, Barbara Slade, Roger Baxter, Marshall Summar*
- Vaccines Are Not Associated With Metabolic Events in Children With Urea Cycle Disorders** 957  
*Thomas M. Morgan, Cameron Schlegel, Kathryn M. Edwards, Teresa Welch-Burke, Yuwei Zhu, Robert Sparks, Marshall Summar, the Urea Cycle Disorders Consortium*



## contents

### ONLINE ARTICLES—[www.pediatrics.org](http://www.pediatrics.org) (continued)

- Impact of Provider Specialty on Pediatric Procedural Sedation Complication Rates** 958  
*Kevin G. Couloures, Michael Beach, Joseph P. Cravero, Kimberly K. Monroe, James H. Hertzog*
- Influenza A/H1N1 MF59-Adjuvanted Vaccine in Preterm and Term Children Aged 6 to 23 Months** 958  
*Susanna Esposito, Lorenza Pugni, Cristina Daleno, Andrea Ronchi, Antonia Valzano, Domenico Serra, Fabio Mosca, Nicola Principi*
- FREE Adolescent Chronic Fatigue Syndrome: Prevalence, Incidence, and Morbidity** 958  
*Sanne L. Nijhof, Kimberley Majjer, Gijis Bleijenberg, Cuno S. P. M. Uiterwaal, Jan L. L. Kimpen, Elise M. van de Putte*
- Cost-effectiveness of Essential Newborn Care Training in Urban First-Level Facilities** 959  
*Albert Manasyan, Elwyn Chomba, Elizabeth M. McClure, Linda L. Wright, Sara Krzywanski, Waldemar A. Carlo, the Eunice Kennedy Shriver National Institute of Child Health and Human Development Global Network for Women's and Children's Health Research*
- Intrapartum-Related Stillbirths and Neonatal Deaths in Rural Bangladesh: A Prospective, Community-Based Cohort Study** 959  
*Matthew Ellis, Kishwar Azad, Biplob Banerjee, Sanjit Kumer Shaha, Audrey Prost, Arati Roselyn Rego, Shampa Barua, Anthony Costello, Sarah Barnett*
- A Cluster-Randomized Evaluation of a Responsive Stimulation and Feeding Intervention in Bangladesh** 960  
*Frances E. Aboud, Sadika Akhter*
- Association of Neck Circumference With Perioperative Adverse Respiratory Events in Children** 960  
*Olubukola O. Nafiu, Constance C. Burke, Ruchika Gupta, Robert Christensen, Paul I. Reynolds, Shobha Malviya*
- NIH Knowledge and Practice of Prechewing/Prewarming Food by HIV-Infected Women** 961  
*Aditya H. Gaur, Laura Freimanis-Hance, Kenneth Dominguez, Charles Mitchell, Jacqueline Menezes, Marisa M. Mussi-Pinhata, Mario F. Peixoto, Jorge Alarcon, Debora F. Coelho, Jennifer S. Read*
- NIH Maternal Periodontitis Treatment and Child Neurodevelopment at 24 to 28 Months of Age** 961  
*Bryan S. Michalowicz, James S. Hodges, Richard C. Lussky, Henrietta Bada, Twila Rawson, L. Susan Buttross, Claudia Chiriboga, Anthony J. DiAngelis, M. John Novak, William Buchanan, Dennis A. Mitchell, Panos N. Papananou*



## contents

ONLINE ARTICLES—[www.pediatrics.org](http://www.pediatrics.org) (continued)

- Ethics of Resuscitation at Different Stages of Life: A Survey of Perinatal Physicians** Naomi Laventhal, M. Bridget Spelke, Bree Andrews, L. Knoll Larkin, William Meadow, Annie Janvier 962
- Parents' Experiences of Their Children's Presence in Discussions With Physicians About Leukemia** Bridget Young, Joanne Ward, Peter Salmon, Katja Gravenhorst, Jonathan Hill, Tim Eden 963
- NIH** **Familial Aggregation of Autoimmune Disease in Juvenile Dermatomyositis** Timothy B. Niewold, Stephanie C. Wu, Molly Smith, Gabrielle A. Morgan, Lauren M. Pachman 963
- Impact at Age 11 Years of Major Neonatal Morbidities in Children Born Extremely Preterm** Aijaz Farooqi, Bruno Hägglöf, Gunnar Sedin, Fredrik Serenius 964
- Natural Progression of Neurological Disease in Mucopolysaccharidosis Type II** Joshua B. Holt, Michele D. Poe, Maria L. Escolar 964
- NIH** **Interobserver Agreement in the Assessment of Clinical Findings in Children With First Unprovoked Seizures** Peter S. Dayan, Kathleen Lillis, Jonathan Bennett, Gregory Conners, Pam Bailey, James Callahan, Cidgem Akman, Neil Feldstein, W. Allen Hauser, Nathan Kuppermann, the Pediatric Emergency Department Northeast Team of the Pediatric Emergency Care Applied Research Network (PECARN) 965
- Birth Weight, Postnatal Weight Change, and Risk for High Blood Pressure Among Chinese Children** Katherine Bowers, Gongshu Liu, Ping Wang, Tao Ye, Zhen Tian, Enqing Liu, Zhijie Yu, Xilin Yang, Mark Klebanoff, Edwina Yeung, Gang Hu, Cuilin Zhang 965
- Reference Values for Amplitude-Integrated EEGs in Infants From Preterm to 3.5 Months of Age** Dandan Zhang, Yunfeng Liu, Xinlin Hou, Congle Zhou, Yuejia Luo, Datian Ye, Haiyan Ding 966
- NIH** **Parents' Attitudes Toward Pediatric Genetic Testing for Common Disease Risk** Kenneth P. Tercyak, Sharon Hensley Alford, Karen M. Emmons, Isaac M. Lipkus, Benjamin S. Wilfond, Colleen M. McBride 966
- Genetic and Environmental Factors Shape Infant Sleep Patterns: A Study of 18-Month-Old Twins** Sonia Brescianini, Anna Volzone, Corrado Fagnani, Valeria Patriarca, Valentina Grimaldi, Roberta Lanni, Laura Serino, Pierpaolo Mastroiacovo, Maria Antonietta Stazi 967



## contents

### ONLINE ARTICLES—[www.pediatrics.org](http://www.pediatrics.org) (continued)

#### e-review articles

**A Systematic Review of Early Intensive Intervention for Autism Spectrum Disorders** Zachary Warren, Melissa L. McPheeters, Nila Sathe, Jennifer H. Foss-Feig, Allison Glasser, Jeremy Veenstra-VanderWeele 967

**A Systematic Review of Medical Treatments for Children With Autism Spectrum Disorders** Melissa L. McPheeters, Zachary Warren, Nila Sathe, Jennifer L. Bruzek, Shanthy Krishnaswami, Rebecca N. Jerome, Jeremy Veenstra-VanderWeele 968

**A Systematic Review of Secretin for Children With Autism Spectrum Disorders** Shanthy Krishnaswami, Melissa L. McPheeters, Jeremy Veenstra-VanderWeele 968

#### e-commentaries

**Differences to Determinants: Elevating the Discourse on Health Disparities** Jean L. Raphael 969

#### e-policy pages

**FREE Technical Report—Pediatric and Adolescent Mental Health Emergencies in the Emergency Medical Services System** Margaret A. Dolan, Joel A. Fein, the Committee on Pediatric Emergency Medicine 971

**FREE Policy Statement—AAP Publications Reaffirmed and Retired** 971

### QUALITY-IMPROVEMENT REPORT—[www.pediatrics.org](http://www.pediatrics.org)

**Thromboprophylaxis in a Pediatric Hospital: A Patient-Safety and Quality-Improvement Initiative** Leslie Raffini, Tara Trimarchi, Johanna Beliveau, Daniela Davis 969

### CASE REPORTS—[www.pediatrics.org](http://www.pediatrics.org)

**Regression of a Cardiac Rhabdomyoma in a Patient Receiving Everolimus** Dana Tiberio, David N. Franz, John R. Phillips 969

**Long-term Subcutaneous Protein C Replacement in Neonatal Severe Protein C Deficiency** Ellen H. M. de Kort, Sabine L. A. G. Vrancken, Arno F. J. van Heijst, Mathijs Binkhorst, Marcel P. J. M. Cuppen, Paul P. T. Brons 970

**Fatal Coronary Artery Disease in an Infant With Severe Mucopolysaccharidosis Type I** Leonie van den Broek, Ad P. C. M. Backx, Hans Coolen, Frits A. Wijburg, Ron Wevers, Eva Morava, Chris Neeleman 970



# PEDIATRICS®

MAY 2011 • VOLUME 127 • NUMBER 5

## contents

### CASE REPORTS—[www.pediatrics.org](http://www.pediatrics.org) (continued)

- Pulmonary Nodules in a Newborn With ATP-Binding Cassette Transporter A3 (ABCA3) Mutations** 970  
*Derek A. Uchida, Susan E. Wert, Lawrence M. Noguee, Travis R. Carroll, Barbara A. Chatfield*
- Blurring the Lines in Interferon  $\gamma$  Receptor Deficiency: An Infant With Near-Fatal Airway Disease** 971  
*Benjamin Auld, Donald Urquhart, Mark Walsh, Clare Nourse, Margaret-Anne Harris*

### eLetters

eLetters appear on page 972 and online at [www.pediatrics.org](http://www.pediatrics.org)

### COMMENTARIES

- FREE Vitamin D Deficiency and Fractures in Childhood** 973  
*Colin R. Paterson*
- Early Childhood Stimulation in the Developing and Developed World: If Not Now, When?** 975  
*Benard P. Dreyer*

### FROM THE AMERICAN ACADEMY OF PEDIATRICS

- FREE Policy Statement—Health Information Technology and the Medical Home** 978  
*Council on Clinical Information Technology*
- FREE Policy Statement—Chemical-Management Policy: Prioritizing Children's Health** 983  
*Council on Environmental Health*
- FREE Policy Statement—Use of Chaperones During the Physical Examination of the Pediatric Patient** 991  
*Committee on Practice and Ambulatory Medicine*
- FREE Clinical Report—Health Supervision for Children With Fragile X Syndrome** 994  
*Joseph H. Hersh, Robert A. Saul, Committee on Genetics*

**Errata** 1007

**Classified Advertisements & Announcements** A30

For Instructions for Authors please visit [www.pediatrics.org](http://www.pediatrics.org)

For a Thank You to Our Reviewers please visit [www.pediatrics.org/current.dtl](http://www.pediatrics.org/current.dtl)

American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN™

