PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

icon legend

Most of the articles in *PEDIATRICS* have more content available online at www.pediatrics.org.

= **supplement**

= **data file/supplementary information available online**

= **podcast available online**

= **video available online**

= **free access online**

= **funded by NIH**

contents

General Information A16

Classified Advertisements & Announcements A19–A35

For Author Guidelines please visit www.pediatrics.org

For a Thank You to Our Reviewers please visit http://pediatrics.aappublications.org/content/133/3/e800.full

PEDIATRICS PERSPECTIVES

Comanagement of Medically Complex Children by Subspecialists, Generalists, and Care Coordinators 203
Alan D. Stiles, David T. Tayloe Jr, Steven E. Wegner

e-*Pediatrics* Perspectives—www.pediatrics.org

NIH **The Role of Social Impact Bonds in Pediatric Health Care** 380 *D. Max Crowley*

MONTHLY FEATURE

Teaching the Essentials of "Well-Child Care": Inspiring Proficiency and Passion 206 *Erin K. Balog, Janice L. Hanson, Gregory S. Blaschke*

ARTICLES

NIH **Invasive Pneumococcal Disease After Implementation of 13-Valent Conjugate Vaccine** 210 *Pui-Ying Iroh Tam, Lawrence C. Madoff, Brandon Coombes, Stephen I. Pelton*

FREE **Massachusetts Health Reform and Access for Children With Special Health Care Needs** 218 *Anna Jo Smith, Alyna T. Chien*

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

contents

ARTICLES *(continued)*

FREE **Hookah Use Among US High School Seniors** *Joseph J. Palamar, Sherry Zhou, Scott Sherman, Michael Weitzman* 227

Cost-Benefit Analysis of a Medical Emergency Team in a Children's Hospital *Christopher P. Bonafide, A. Russell Localio, Lihai Song, Kathryn E. Roberts, Vinay M. Nadkarni, Margaret Priestley, Christine W. Paine, Miriam Zander, Meaghan Lutts, Patrick W. Brady, Ron Keren* 235

Sensitivity of the Limited View Follow-up Skeletal Survey *Karen Kirhofer Hansen, Brooks R. Keeshin, Emalee Flaherty, Alice Newton, Sarah Passmore, Jeffrey Prince, Kristine A. Campbell* 242

Bowel Preparations for Colonoscopy: An RCT *Giovanni Di Nardo, Marina Aloi, Salvatore Cucchiara, Cristiano Spada, Cesare Hassan, Fortunata Civitelli, Federica Nuti, Chiara Ziparo, Andrea Pession, Mario Lima, Giuseppe La Torre, Salvatore Oliva* 249

The Timing of Cord Clamping and Oxidative Stress in Term Newborns *Javier Díaz-Castro, Jesus Florido, Naroa Kajarabille, Maria Garrido-Sánchez, Carmen Padilla, Catalina de Paco, Luis Navarrete, Julio J. Ochoa* 257

Neonatal Outcome Following Cord Clamping After Onset of Spontaneous Respiration *Hege Langli Ersdal, Jørgen Linde, Estomih Mduma, Bjørn Auestad, Jeffrey Perlman* 265

NIH **Obstructive Sleep Apnea and Sickle Cell Anemia** *Carol L. Rosen, Michael R. Debaun, Robert C. Strunk, Susan Redline, Sinziana Seicean, Daniel I. Craven, Johanna C. D. Gavlak, Olu Wilkey, Baba Inusa, Irene Roberts, R. Lucas Goodpaster, Beth Malow, Mark Rodeghier, Fenella J. Kirkham* 273

FREE NIH **Growth After Adenotonsillectomy for Obstructive Sleep Apnea: An RCT** *Eliot S. Katz, Renee H. Moore, Carol L. Rosen, Ron B. Mitchell, Raouf Amin, Raanan Arens, Hiren Muzumdar, Ronald D. Chervin, Carole L. Marcus, Shalini Paruthi, Paul Willging, Susan Redline* 282

NIH **Treatment Outcomes of Overweight Children and Parents in the Medical Home** *Teresa Quattrin, James N. Roemmich, Rocco Paluch, Jihnhee Yu, Leonard H. Epstein, Michelle A. Ecker* 290

FREE **Weighted Blankets and Sleep in Autistic Children—A Randomized Controlled Trial** *Paul Gringras, Dido Green, Barry Wright, Carla Rush, Masako Sparrowhawk, Karen Pratt, Victoria Allgar, Naomi Hooke, Danielle Moore, Zenobia Zaiwalla, Luci Wiggs* 298

The Association of Generation Status and Health Insurance Among US Children *Rhonda BeLue, Patricia Y. Miranda, Bilikisu Reni Elewonibi, Marianne M. Hillemeier* 307

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

contents

ARTICLES *(continued)*

NIH U **Longitudinal Profiles of Adaptive Behavior in Fragile X Syndrome** *Cheryl Klaiman, Eve-Marie Quintin, Booil Jo, Amy A. Lightbody, Heather Cody Hazlett, Joseph Piven, Scott S. Hall, Allan L. Reiss* 315

REVIEW ARTICLES

FREE **Safety of Vaccines Used for Routine Immunization of US Children: A Systematic Review** *Margaret A. Maglione, Lopamudra Das, Laura Raaen, Alexandria Smith, Ramya Chari, Sydne Newberry, Roberta Shanman, Tanja Perry, Matthew Bidwell Goetz, Courtney Gidengil* 325

U **Interventions to Reduce Pediatric Medication Errors: A Systematic Review** *Michael L. Rinke, David G. Bundy, Christina A. Velasquez, Sandesh Rao, Yasmin Zerhouni, Katie Lobner, Jaime F. Blanck, Marlene R. Miller* 338

e-Review Article—www.pediatrics.org

NIH U **Maternal Obesity in Pregnancy, Gestational Weight Gain, and Risk of Childhood Asthma** *Erick Forno, Omar M. Young, Rajesh Kumar, Hyagriv Simhan, Juan C. Celedón* 391

STATE-OF-THE-ART REVIEW ARTICLES

Pediatric Drug Formulations: A Review of Challenges and Progress *Verica Ivanovska, Carin M. A. Rademaker, Liset van Dijk, Aukje K. Mantel-Teeuwisse* 361

e-State-of-the-Art Review Article—www.pediatrics.org

U **Neonatal Abstinence Syndrome** *Prabhakar Kocherlakota* 392

COMMENTARIES

FREE **Children With Special Health Care Needs: The Canary in the Health Care Reform Coal Mine** *Stephen Berman* 373

Closer to Understanding the Value Proposition for Medical Emergency Teams *W. Joshua Frazier, Richard J. Brilli* 375

FREE NIH **Vaccines: Can Transparency Increase Confidence and Reduce Hesitancy?** *Carrie L. Byington* 377

e-Commentary—www.pediatrics.org

NIH **Mechanisms to Provide Safe and Effective Drugs for Children** *Matthew M. Laughon, Daniel K. Benjamin Jr* 392

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

contents

ONLINE ARTICLES—www.pediatrics.org

Trends in Abdominal Obesity Among US Children and Adolescents *Bo Xi, Jie Mi, Min Zhao, Tao Zhang, Cunxian Jia, Jiajia Li, Tao Zeng, Lyn M. Steffen, on behalf of Public Health Youth Collaborative and Innovative Study Group of Shandong University (PHYCISG-SDU)* 380

FREE **The Natural History of Jaundice in Predominantly Breastfed Infants** *M. Jeffrey Maisels, Sarah Clune, Kimberlee Coleman, Brian Gendelman, Ada Kendall, Sharon McManus, Mary Smyth* 380

Increasing Provision of Adolescent Vaccines in Primary Care: A Randomized Controlled Trial *Melissa B. Gilkey, Amanda M. Dayton, Jennifer L. Moss, Alicia C. Sparks, Amy H. Grimshaw, James M. Bowling, Noel T. Brewer* 380

NIH **Unit of Measurement Used and Parent Medication Dosing Errors** *H. Shonna Yin, Benard P. Dreyer, Donna C. Ugboaja, Dayana C. Sanchez, Ian M. Paul, Hannah A. Moreira, Luis Rodriguez, Alan L. Mendelsohn* 381

NIH **Stool Microbiota and Vaccine Responses of Infants** *M. Nazmul Huda, Zachery Lewis, Karen M. Kalanetra, Mamunur Rashid, Shaikh M. Ahmad, Rubhana Raqib, Firdausi Qadri, Mark A. Underwood, David A. Mills, Charles B. Stephensen* 381

FREE **Delayed Diagnosis of Critical Congenital Heart Defects: Trends and Associated Factors** *Rebecca F. Liberman, Kelly D. Getz, Angela E. Lin, Cathleen A. Higgins, Sepehr Sekhavat, Glenn R. Markenson, Marlene Anderka* 382

FREE **Parental Smoking During Pregnancy and ADHD in Children: The Danish National Birth Cohort** *Jin Liang Zhu, Jørn Olsen, Zeyan Liew, Jiong Li, Janni Niclasen, Carsten Obel* 382

NIH **Successful Schools and Risky Behaviors Among Low-Income Adolescents** *Mitchell D. Wong, Karen M. Coller, Rebecca N. Dudovitz, David P. Kennedy, Richard Buddin, Martin F. Shapiro, Sheryl H. Kataoka, Arleen F. Brown, Chi-Hong Tseng, Peter Bergman, Paul J. Chung* 383

Atopic Dermatitis, Melatonin, and Sleep Disturbance *Yung-Sen Chang, Yen-Ting Chou, Jyh-Hong Lee, Pei-Lin Lee, Yang-Shia Dai, Chi Sun, Yu-Tsan Lin, Li-Chieh Wang, Hsin-Hui Yu, Yao-Hsu Yang, Chun-An Chen, Kong-Sang Wan, Bor-Luen Chiang* 383

FREE NIH **Sleep Environment Risks for Younger and Older Infants** *Jeffrey D. Colvin, Vicki Collie-Akers, Christy Schunn, Rachel Y. Moon* 384

A Clinical Prediction Rule for the Severity of Congenital Diaphragmatic Hernias in Newborns *Mary Elizabeth Brindle, Earl Francis Cook, Dick Tibboel, Pamela A. Lally, Kevin P. Lally, on behalf of the Congenital Diaphragmatic Hernia Study Group* 384

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

contents

ONLINE ARTICLES—www.pediatrics.org *(continued)*

Inhaled Nitric Oxide Use in Neonates With Congenital Diaphragmatic Hernia *Brendan T. Campbell, Katherine W. Herbst, Kelleigh E. Briden, Stephen Neff, Kimberly A. Ruscher, James I. Hagadorn* 385

Motor Performance After Neonatal Extracorporeal Membrane Oxygenation: A Longitudinal Evaluation *Monique H. M. van der Cammen-van Zijp, Anjo J. W. M. Janssen, Marlou MA Raets, Joost van Rosmalen, Paul Govaert, Katerina Steiner, Saskia J. Gischler, Dick Tibboel, Arno F. J. van Heijst, Hanneke IJsselstijn, on behalf of the Dutch ECMO follow-up team* 385

Pediatric Advance Directives: Parents' Knowledge, Experience, and Preferences *Danica B. Liberman, Phung K. Pham, Alan L. Nager* 386

Brain Injury and Altered Brain Growth in Preterm Infants: Predictors and Prognosis *Hiroyuki Kidokoro, Peter J. Anderson, Lex W. Doyle, Lianne J. Woodward, Jeffrey J. Neil, Terrie E. Inder* 386

Reducing Distress in Mothers of Children With Autism and Other Disabilities: A Randomized Trial *Elisabeth M. Dykens, Marisa H. Fisher, Julie Lounds Taylor, Warren Lambert, Nancy Miodrag* 387

HIV and Child Mental Health: A Case-Control Study in Rwanda *Theresa Betancourt, Pamela Scorza, Frederick Kanyanganzi, Mary C. Smith Fawzi, Vincent Sezibera, Felix Cyamatare, William Beardslee, Sara Stulac, Justin I. Bizimana, Anne Stevenson, Yvonne Kayiteshonga* 387

Gestational Age and Risk of Venous Thromboembolism From Birth Through Young Adulthood *Bengt Zöller, Xinjun Li, Jan Sundquist, Kristina Sundquist, Casey Crump* 388

Prevention of Traumatic Stress in Mothers of Preterms: 6-Month Outcomes *Richard J. Shaw, Nick St John, Emily Lilo, Booil Jo, William Benitz, David K. Stevenson, Sarah M. Horwitz* 388

Targeted Program for Provision of Mother's Own Milk to Very Low Birth Weight Infants *Elisabeth Synnøve Husebye, Ingvil Austbø Kleven, Lene Kristin Kroken, Ingrid Kristin Torsvik, Øystein Ariansen Haaland, Trond Markestad* 388

Variability in IRBs Regarding Parental Acceptance of Passive Consent *Renee A. Higgerson, Lauren E. W. Olsho, LeeAnn M. Christie, Kyle Rehder, Teresa Doksum, Rainer Gedeit, John S. Giuliano, Jr, Beth Brennan, Rachael Wendlandt, Adrienne G. Randolph, on behalf of PALISI PICFLu Study Investigators* 389

Socioeconomic Status and Wait Times for Pediatric Surgery in Canada *Mark Szynkaruk, Derek Stephens, Gregory H. Borschel, James G. Wright* 389

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

contents

ONLINE ARTICLES—www.pediatrics.org *(continued)*

Impact of Pediatric Exclusivity on Drug Labeling and Demonstrations of Efficacy *Gerold T. Wharton, M. Dianne Murphy, Debbie Avant, John V. Goldsmith, Grace Chai, William J. Rodriguez, Eric L. Eisenstein* 390

Mortality Associated With Pulmonary Hypertension in Congenital Rubella Syndrome *Michiko Toizumi, Hideki Motomura, Hien Minh Vo, Kensuke Takahashi, Enga Pham, Hien Anh Thi Nguyen, Tho Huu Le, Masahiro Hashizume, Koya Ariyoshi, Duc Anh Dang, Hiroyuki Moriuchi, Lay-Myint Yoshida* 390

A Multicenter Cohort Study of Treatments and Hospital Outcomes in Neonatal Abstinence Syndrome *Eric S. Hall, Scott L. Wexelblatt, Moira Crowley, Jennifer L. Grow, Lisa R. Jasin, Mark A. Klebanoff, Richard E. McClead, Jareen Meinzen-Derr, Vedagiri K. Mohan, Howard Stein, Michele C. Walsh, on behalf of the OCHNAS Consortium* 391

QUALITY REPORTS—www.pediatrics.org

Forging a Pediatric Primary Care–Community Partnership to Support Food-Insecure Families *Andrew F. Beck, Adrienne W. Henize, Robert S. Kahn, Kurt L. Reiber, John J. Young, Melissa D. Klein* 392

Decreasing Handoff-Related Care Failures in Children's Hospitals *Michael T. Bigham, Tina R. Logsdon, Paul E. Manicone, Christopher P. Landrigan, Leslie W. Hayes, Kelly H. Randall, Purva Grover, Susan B. Collins, Dana E. Ramirez, Crystal D. O'Guin, Catherine I. Williams, Robin J. Warnick, Paul J. Sharek* 393

CASE REPORTS—www.pediatrics.org

iPad—Increasing Nickel Exposure in Children *Sharon E. Jacob, Shehla Admani* 393

Ambulatory ECMO as a Bridge to Lung Transplant in a Previously Well Pediatric Patient With ARDS *David A. Turner, Kyle J. Rehder, Desiree Bonadonna, Alice Gray, Shu Lin, David Zaas, Ira M. Cheifetz* 394

ROHHADNET Syndrome Presenting as Major Behavioral Changes in a 5-Year-Old Obese Girl *Karen Sethi, Yi-Horng Lee, L. Eugene Daugherty, Andrea Hinkle, Mahlon D. Johnson, Philip J. Katzman, John S. Sullivan* 394

Successful Treatment of Plastic Bronchitis by Selective Lymphatic Embolization in a Fontan Patient *Yoav Dori, Marc S. Keller, Jack Rychik, Maxim Itkin* 394

The Necessity for Ocular Assessment in Atopic Children: Bilateral Corneal Hydrops in an 8 Year Old *Laura E. Downie* 394

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

PEDIATRICS®

AUGUST 2014 • VOLUME 134 • NUMBER 2

contents

CASE REPORTS—www.pediatrics.org *(continued)*

Fruit-Induced FPIES Masquerading as Hereditary Fructose Intolerance *Alessandro Fiocchi, Carlo Dionisi-Vici, Giovanna Cotugno, Pierluigi Koch, Lamia Dahdah* 395

Minimal Lymphatic Leakage in an Infant With Chylothorax Detected by Lymphoscintigraphy SPECT/CT *Jigang Yang, Ion Codreanu, Hongming Zhuang* 395

Outcomes in Multifocal Neuroblastoma as Part of the Neurocristopathy Syndrome *Phoebe Williams, Eva Wegner, David S. Ziegler* 395

e-Letters—www.pediatrics.org

Letters to the Editor 396

eLetters appear on page 397 and online at www.pediatrics.org

FROM THE AMERICAN ACADEMY OF PEDIATRICS

FREE **Policy Statement**
Updated Recommendations on the Use of Meningococcal Vaccines *Committee on Infectious Diseases* 400

FREE **Policy Statement**
Literacy Promotion: An Essential Component of Primary Care Pediatric Practice *Council on Early Childhood* 404

FREE **Policy Statement**
Standards for Pediatric Cancer Centers *Section on Hematology/Oncology* 410

FREE **Policy Statement**
Updated Guidance for Palivizumab Prophylaxis Among Infants and Young Children at Increased Risk of Hospitalization for Respiratory Syncytial Virus Infection *Committee on Infectious Diseases and Bronchiolitis Guidelines Committee* 415

e-Policy Pages—www.pediatrics.org

FREE **Statement of Endorsement**
Advanced Practice Registered Nurse: Role, Preparation, and Scope of Practice 421

FREE **Technical Report**
Updated Guidance for Palivizumab Prophylaxis Among Infants and Young Children at Increased Risk of Hospitalization for Respiratory Syncytial Virus Infection *Committee on Infectious Diseases and Bronchiolitis Guidelines Committee* 421

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™