PEDIATRICS

OFFICIAL JOURNAL OF THE AMERICAN ACADEMY OF PEDIATRICS

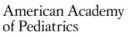
JULY 2007 • VOLUME 120 • NUMBER 1

CONTENTS

- A24 Schedule of Meetings and Courses
- A25 Books Received
- A25 Pediatrics in Review Contents
- A26 General Information

ARTICLES

- Human Milk Intake and Retinopathy of Prematurity in Extremely Low Birth Weight Infants Cherrie D. Heller, Michael O'Shea, Qing Yao, John Langer, Richard A. Ehrenkranz, Dale L. Phelps, W. Kenneth Poole, Barbara Stoll, Shahnaz Duara, William Oh, James Lemons, Brenda Poindexter, for the NICHD Neonatal Research Network
- Malpractice Claims Involving Pediatricians: Epidemiology and Etiology Aaron E. Carroll, Jennifer L. Buddenbaum
- 18 Addressing Parents' Concerns About Childhood Immunizations: A Tutorial for Primary Care Providers Benjamin H. Levi
- A Decline in the Frequency of Neonatal Exchange Transfusions and Its Effect on Exchange-Related Morbidity and Mortality Laurie A. Steiner, Matthew J. Bizzarro, Richard A. Ehrenkranz, Patrick G. Gallagher
- Characteristics of the Pediatric Hospitalist Workforce: Its Roles and Work
 Environment Gary L. Freed, Kathryn Brzoznowski, Kamilah Neighbors, Indu Lakhani,
 American Board of Pediatrics, Research Advisory Committee
- 40 **Growth and Neurodevelopmental Outcomes After Early Low-Dose Hydrocortisone Treatment in Extremely Low Birth Weight Infants**Kristi L. Watterberg, Michele L. Shaffer, Mary J. Mishefske, Corinne L. Leach,
 Mark C. Mammel, Robert J. Couser, Soraya Abbasi, Cynthia H. Cole, Susan W. Aucott,
 Elizabeth H. Thilo, Henry J. Rozycki, Conra Backstrom Lacy
- 49 **Botulinum Toxin for Spasticity in Children With Cerebral Palsy: A Comprehensive Evaluation** Kristie Bjornson, Ross Hays, Cathy Graubert, Robert Price, Francine Won, John F. McLaughlin, Morty Cohen
- 59 **Early Intervention and Recovery Among Children With Failure to Thrive: Follow-up at Age 8** Maureen M. Black, Howard Dubowitz, Ambika Krishnakumar, Raymond H. Starr, Jr
- 70 **Preterm Infants as Young Adults: A Swedish National Cohort Study**Karolina Lindström, Birger Winbladh, Bengt Haglund, Anders Hjern
- 78 Three-Tesla Cardiac Magnetic Resonance Imaging for Preterm Infants
 Adrienne M. Foran, Julie A. Fitzpatrick, Joanna Allsop, Stephan Schmitz, Jamie Franklin,
 Constandinos Pamboucas, Declan O'Regan, Jo V. Hajnal, A. David Edwards
- Hydrops Fetalis: A Retrospective Review of Cases Reported to a Large National Database and Identification of Risk Factors Associated With Death Matthew E. Abrams, Keith S. Meredith, Paula Kinnard, Reese H. Clark
- 90 **Cost-effectiveness of Alternative Strategies for Tuberculosis Screening Before Kindergarten Entry** Valerie J. Flaherman, Travis C. Porco, Elliot Marseille, Sarah E. Royce



DEDICATED TO THE HEALTH OF ALL CHILDREN*

www.pediatrics.org

- Trends in Opportunistic Infections in the Pre– and Post–Highly Active Antiretroviral Therapy Eras Among HIV-Infected Children in the Perinatal AIDS Collaborative Transmission Study, 1986–2004 Steven R. Nesheim, Bill G. Kapogiannis, Minn M. Soe, Kevin M. Sullivan, Elaine Abrams, John Farley, Paul Palumbo, Linda J. Koenig, Marc Bulterys
- Is Victimization From Bullying Associated With Medicine Use Among Adolescents? A Nationally Representative Cross-sectional Survey in Denmark Pernille Due, Ebba Holme Hansen, Juan Merlo, Anette Andersen, Bjørn E. Holstein
- Mental Health and Social Competencies of 10- to 12-Year-Old Children Born at 23 to 25 Weeks of Gestation in the 1990s: A Swedish National Prospective Follow-up Study Aijaz Farooqi, Bruno Hägglöf, Gunnar Sedin, Leif Gothefors, Fredrik Serenius
- 134 Children Plus All Nonautomobile Motorized Vehicles (Not Just All-Terrain Vehicles) Equals Injuries Christy L. Collins, Gary A. Smith, R. Dawn Comstock
- 142 Injuries in Canadian Youth Ice Hockey: The Influence of Relative Age Nick Wattie, Stephen Cobley, Alison Macpherson, Andrew Howard, William J. Montelpare, Joseph Baker

SPECIAL ARTICLE

149 2006 Job Lewis Smith Award Acceptance Address: Is There an OWA (Other Weird Arrangement) in Your Future? Stanley I. Fisch

PEDIATRICS ELECTRONIC PAGES

- 156 Cost of Hospitalization for Preterm and Low Birth Weight Infants in the United States Rebecca B. Russell, Nancy S. Green, Claudia A. Steiner, Susan Meikle, Jennifer L. Howse, Karalee Poschman, Todd Dias, Lisa Potetz, Michael J. Davidoff, Karla Damus, Joann R. Petrini
- Magnetic Resonance Imaging Regional T1 Abnormalities at Term Accurately Predict Motor Outcome in Preterm Infants Yukiko Nanba, Kiyoshi Matsui, Noriko Aida, Yoshiaki Sato, Katsuaki Toyoshima, Motoyoshi Kawataki, Rikuo Hoshino, Makiko Ohyama, Yasufumi Itani, Akiko Goto, Akira Oka
- Physician Medical Decision-making at the End of Life in Newborns: Insight Into Implementation at 2 Dutch Centers A. A. Eduard Verhagen,
 Mark A. H. van der Hoeven, R. Corine van Meerveld, Pieter J. J. Sauer
- Hand-Washing and Diapering Equipment Reduces Disease Among Children in Out-of-Home Child Care Centers Jonathan B. Kotch, Patricia Isbell, David J. Weber, Viet Nguyen, Eric Savage, Elizabeth Gunn, Martie Skinner, Stephen Fowlkes, Jasveer Virk, Jonnell Allen
- 158 Enzyme Replacement Therapy in Patients Who Have Mucopolysaccharidosis I and Are Younger Than 5 Years: Results of a Multinational Study of Recombinant Human α -L-Iduronidase (Laronidase) J. Edmond Wraith, Michael Beck, Roderick Lane, Ans van der Ploeg, Elsa Shapiro, Yong Xue, Emil D. Kakkis, Nathalie Guffon
- Successful Intermittent Prophylaxis With Trimethoprim/Sulfamethoxazole 2 Days per Week for *Pneumocystis carinii* (*jiroveci*) Pneumonia in Pediatric Oncology Patients Susan Lindemulder, Edythe Albano
- 159 Preventable and Unpreventable Causes of Childhood-Onset Epilepsy Plus Mental Retardation Carol Camfield, Peter Camfield
- 159 **Detection and Significance of Serum Protein Marker of Hirschsprung Disease**Jia-xiang Wang, Pan Qin, Qiu-liang Liu, He-ying Yang, Ying-zhong Fan, Jie-kai Yu,
 Shu Zheng
- 159 **Obesity Risk for Female Victims of Childhood Sexual Abuse: A Prospective Study** Jennie G. Noll, Meg H. Zeller, Penelope K. Trickett, Frank W. Putnam
- 160 Evaluating Deliberation in Pediatric Primary Care Elizabeth D. Cox, Maureen A. Smith, Roger L. Brown

- 160 **Prenatal Cocaine and Tobacco Effects on Children's Language Trajectories**Barbara A. Lewis, H. Lester Kirchner, Elizabeth J. Short, Sonia Minnes, Paul Weishampel,
 Sudtida Satayathum, Lynn T. Singer
- Self-Reported Health Status and Health-Related Quality of Life of Teenagers Who Were Born Before 29 Weeks' Gestational Age Ron Gray, Stavros Petrou, Christine Hockley, Frances Gardner
- Patterns and Interrelationships of Body-Fat Measures Among Rural Chinese
 Children Aged 6 to 18 Years Hongjian Wang, Rachel E. Story, Scott A. Venners,
 Binyan Wang, Jianhua Yang, Zhiping Li, Liuliu Wang, Xue Liu, Genfu Tang, Houxun Xing,
 Xiping Xu, Xiaobin Wang
- 162 Growth and Growth Hormone Therapy in Subjects With Mulibrey Nanism Niklas Karlberg, Hannu Jalanko, Marita Lipsanen-Nyman
- Parental Ability to Discriminate the Weight Status of Children: Results of a Survey Jeannie S. Huang, Karen Becerra, Thaghar Oda, Edward Walker, Ronghui Xu, Michael Donohue, Iris Chen, Violeta Curbelo, Adam Breslow
- Hematologic and Blood Biochemistry Monitoring During Methylphenidate Treatment in Children With Attention-Deficit/Hyperactivity Disorder: 2-Year, Open-Label Study Results Sharon B. Wigal, Timothy E. Wilens, Mark Wolraich, Marc Lerner
- Abnormal Thermoregulatory Responses in Adolescents With Chronic Fatigue
 Syndrome: Relation to Clinical Symptoms Vegard Bruun Wyller, Kristin Godang,
 Lars Mørkrid, Jerome Philip Saul, Erik Thaulow, Lars Walløe
- 164 Use of Complementary and Alternative Medicine in a General Pediatric Clinic Dany Jean, Claude Cyr
- 164 Frequency and Characteristics of Pediatric and Adolescent Visits in Naturopathic Medical Practice Wendy Weber, James A. Taylor, Rachelle L. McCarty, Amy Johnson-Grass
- 165 Cardiovascular Effects of Sibutramine in the Treatment of Obese Adolescents: Results of a Randomized, Double-Blind, Placebo-Controlled Study
 Stephen R. Daniels, Barbara Long, Scott Crow, Dennis Styne, Melinda Sothern,
 Ileana Vargas-Rodriguez, Lisa Harris, Julia Walch, Olga Jasinsky, Kristine Cwik, Ann Hewkin,
 Vicky Blakesley, for the Sibutramine Adolescent Study Group
- Motor Profile of Children With Developmental Speech and Language Disorders Chris Visscher, Suzanne Houwen, Erik J. A. Scherder, Ben Moolenaar, Esther Hartman
- Prolonged Hypocortisolemia in Hydrocortisone Replacement Regimens in Adrenocorticotrophic Hormone Deficiency Ann M. Maguire, Geoffrey R. Ambler, Bin Moore, Mark McLean, Marina G. Falleti, Christopher T. Cowell
- Mass Distribution of Free, Intranasally Administered Influenza Vaccine in a Public School System L. Rand Carpenter, John Lott, Brian M. Lawson, Stephanie Hall, Allen S. Craig, William Schaffner, Timothy F. Jones
- Rapid-Onset Obesity With Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation Presenting in Childhood Diego Ize-Ludlow, Juliette A. Gray, Mark A. Sperling, Elizabeth M. Berry-Kravis, Jeff M. Milunsky, I. Sadaf Farooqi, Casey M. Rand, Debra E. Weese-Mayer
- Screening and Treatment for Lipid Disorders in Children and Adolescents: Systematic Evidence Review for the US Preventive Services Task Force Elizabeth M. Haney, Laurie Hoyt Huffman, Christina Bougatsos, Michele Freeman, Robert D. Steiner, Heidi D. Nelson
- 167 Screening for Lipid Disorders in Children: US Preventive Services Task Force Recommendation Statement US Preventive Services Task Force
- Mollaret Meningitis Associated With an Intraspinal Epidermoid Cyst Baoqin Gao, Jun Yang, Shougang Zhuang, Yaxian Deng, Weili Yang, Yazhen Yu, Yongjun Wang, Lin Luo, Ke Dai

COMMENTARIES

- 171 Determinants of Outcome After Head Cooling for Neonatal Encephalopathy John M. Keogh
- 173 **Pediatricians and Medical Malpractice** Steven M. Donn, Gary McAbee
- 175 **Bilirubin Toxicity to Human Erythrocytes: A More Sanguine View**Antony F. McDonagh
- Hypnosis as a Therapeutic Tool in Pediatrics Haleh Saadat, Zeev N. Kain
- 182 Counting Children With Disability in Low-Income Countries: Enhancing Prevention, Promoting Child Development, and Investing in Economic Well-being Michael E. Msall, Dennis P. Hogan
- 186 Pay-for-Performance in Pediatrics: Proceed With Caution Alyna T. Chien, R. Adams Dudley

FROM THE AMERICAN ACADEMY OF PEDIATRICS

- 189 **Hepatitis A Vaccine Recommendations** Committee on Infectious Diseases
- Preparation for Emergencies in the Offices of Pediatricians and Pediatric Primary
 Care Providers Committee on Pediatric Emergency Medicine
- 213 **School Transportation Safety** Committee on Injury, Violence, and Poison Prevention and Council on School Health
- Prevention of Varicella: Recommendations for Use of Varicella Vaccines in Children, Including a Recommendation for a Routine 2-Dose Varicella Immunization Schedule Committee on Infectious Diseases

LETTERS TO THE EDITOR

- 232 **Stressing About Posttraumatic Stress Disorder** R. Grant Steen, Robert M. Hamer; Reply by Victor G. Carrion, Carl F. Weems, Allan L. Reiss
- Increased Cerebral Blood Flow Velocity in Children With Sickle Cell Disease:

 Adenotonsillectomy or Transfusion Regimens? Brigitte Bader-Meunier,

 Martine François, Suzanne Verlhac, Monique Elmaleh, Ghislaine Ithier, Malika Benkerrou;

 Reply by Alexandra M. Hogan, Catherine M. Hill, Romola Bucks, Paul Telfer,

 Fenella J. Kirkham
- 237 **Do We Need to Incorporate Pharmacogenetics in Randomized, Controlled Trials of Frequently Used Medicines?** John N. van den Anker; Reply by Amy C. Plint, Frie Clark
- 238 **Self-injectable Epinephrine for First-Aid Management of Anaphylaxis**Alan D. Gaines; Marcus Shaker, Donald Woodmansee, M. Kay Wolfson, David Goodman;
 Reply by Scott H. Sicherer, F. Estelle R. Simons
- 240 **Ventilatory Pump Failure and Strategies to Prevent Bronchopulmonary Dysplasia**Jon F. Watchko; Reply by Hany Aly
- 241 **Newborn Screening for Cystic Fibrosis in New York State** Michele Caggana, Laura Helton; Reply by Robert Giusti, Ashley Badgwell, Alejandro D. Iglesias
- 243 **Prenatal Chlorpyrifos and Early Neurodevelopment: How Good Is the Science?**Domenic V. Cicchetti; Reply by Virginia A. Rauh, Robin W. Whyatt, Frederica P. Perera,
 Howard F. Andrews, Robin Garfinkel, Deliang Tang
- 244 **Pediatric Palliative Care** Stacey Howell; Reply by Gina Santucci, Tammy I. Kang, Chris Feudtner
- 245 Choosing the Best Practice: Evidence to Support Fluoroquinolone Drops for Acute Otitis Media Through Tympanostomy Tubes Joseph Dohar, William Giles, Peter Roland, Nadim Bikhazi, Sean Carroll, Roderick Moe, Bradley Reese, Sheryl Dupre, Michael Wall, David Stroman, Celeste McLean, Krista Crenshaw, Ramzi Younis, Michael Poole; Reply by Glenn Isaacson

- 247 Neonatal Blue-Light Phototherapy Could Increase the Risk of Dysplastic Nevus Development Phyllis A. Dennery, Scott Lorch
- 248 Paucity of Evidence-Based Research on How to Achieve the Healthy People 2010
 Goal of Exclusive Breastfeeding Karen A. Bonuck
- 249 **Much Pain, Little Gain From Voiding Cystourethrogram After Urinary Tract Infection** Eduardo Humberto Garin, Linda Young
- 251 **ERRATA**
- A39 Classified Advertisements & Announcements
 For Instructions for Authors please visit www.pediatrics.org

SUPPLEMENT 1 OF THIS VOLUME ACCOMPANIES THIS ISSUE

Childhood Disability in Low- and Middle-Income Countries: Overview of Screening, Prevention, Services, Legislation, and Epidemiology Pallab K. Maulik, Gary L. Darmstadt, Supplement Co-editors