

Pediatrics

OFFICIAL PUBLICATION OF THE AMERICAN
ACADEMY OF PEDIATRICS

EDITOR

Jerold F. Lucey, *Burlington, VT*

ASSOCIATE EDITOR

R. James McKay, Jr, *Burlington, VT*

MANAGING EDITOR

Jean Dow, *Elk Grove Village, IL*

ASSISTANT MANAGING EDITOR

Jo A. Largent, *Elk Grove Village, IL*

EDITORIAL BOARD

Gordon Avery, *Washington, DC*
Robert L. Brent, *Philadelphia*
Philip A. Brunell, *San Antonio, TX*
Martha Bushore, *Knoxville, TN*
Donald Cohen, *New Haven, CT*
Frank Falkner, *Berkeley, CA*
Ralph Feigin, *Houston, TX*
Gilbert B. Forbes, *Rochester, NY*
Bertil E. Glader, *Stanford, CA*
Richard B. Goldbloom, *Halifax, NS, Canada*
Alan B. Gruskin, *Detroit*
William Krivit, *Minneapolis*
Iris F. Litt, *Stanford, CA*
Sarah S. Long, *Philadelphia*
Edgar K. Marcuse, *Seattle*
James A. O'Neil, Jr, *Philadelphia*
I. Barry Pless, *Montreal*
Gail G. Shapiro, *Seattle*
Gunnar Stickler, *Rochester, MN*
Robert Suskind, *New Orleans*
Joseph Volpe, *St Louis*
Allan Walker, *Boston*
Joseph B. Warshaw, *Dallas*

EX OFFICIO

Martin H. Smith, *President*
James E. Strain, *Executive Director*

PUBLISHER

American Academy of Pediatrics
Penny Prettyman, *Copy Editor*

PEDIATRICS (ISSN 0031 4005) is owned and controlled by the American Academy of Pediatrics. It is published monthly by the American Academy of Pediatrics, P.O. Box 927, Elk Grove Village, IL 60007.

Subscription price per year: Individual in U.S., \$45.00; other countries, \$55.00. Special rate for medical students, hospital residents, and Fellows in full-time training in U.S., \$30.00 per year; in other countries, \$40.00. Institution in U.S., \$58.00; in other countries, \$68.00. Renewal at special rate beyond two years will require a letter from an appropriate authority stating the individual's eligibility. Air mail delivery available outside U.S. and Canada for an additional \$60 per year. Please allow 6-8 weeks for delivery of first issue. Single issues in U.S., \$6.00; other countries, \$7.00. Payment must accompany order.

Second-class postage paid at ELK GROVE VILLAGE, ILLINOIS 60007 and at additional mailing offices.

© American Academy of Pediatrics, 1986. All Rights Reserved. Printed in U.S.A. No part may be duplicated or reproduced without permission of the American Academy of Pediatrics.

Advertisements appearing in PEDIATRICS are reviewed in light of appropriate ethical considerations before being accepted for publication. The publication of an advertisement neither constitutes nor implies a guarantee or endorsement by PEDIATRICS or the American Academy of Pediatrics of the product or service advertised or of the claims made for the product or service by the advertiser.



This publication is available
in microform from University
Microfilms International.

Call toll-free 800-521-3044. Or mail inquiry to:
University Microfilms International, 300 North
Zeeb Road, Ann Arbor, MI 48106.



ARTICLES

- 553 **Descriptive Epidemiology of Missed Cases of Phenylketonuria and Congenital Hypothyroidism**—Candy Holtzman, William E. Slazyk, José F. Cordero, and W. Harry Hannon
- 559 **Evaluation of the Pediatric Patient for Liver Transplantation**—Basil J. Zitelli, J. Jeffrey Malatack, J. Carlton Gartner, Jr, Andrew H. Urbach, Laurel Williams, Joanne W. Miller, and Beverly Kirkpatrick
- 566 **Human Rights Consultation: A 12-Year Experience of a Pediatric Bioethics Committee**—Richard H. Michaels and Thomas K. Oliver, Jr
- 573 **Palpable Lymph Nodes in Healthy Newborns and Infants**—Mahrukh Bamji, R. K. Stone, A. Kaul, G. Usmani, F. F. Schachter, and E. Wasserman
- 576 **Splenic Trauma in the Pediatric Patient: The Integrated Roles of Ultrasound and Computed Tomography**—Dorit D. Adler, Caroline E. Blane, Arnold G. Coran, and Terry M. Silver
- 581 **Graft Versus Host-Like Illness in a Child With Phenobarbital Hypersensitivity**—Alan P. Knutsen, Manoj Shah, Kathleen B. Schwarz, and Cheng C. Tsai
- 585 **Interactions of Adolescent Mothers and Their 1-Year-Old Children**—Elizabeth R. McAnarney, Ruth A. Lawrence, Henry N. Ricciuti, Jennifer Polley, and Moira Szilagyi
- 591 **Illness With Fatalities in Premature Infants: Association With an Intravenous Vitamin E Preparation, E-Ferol**—William J. Martone, Walter W. Williams, Mary L. Mortensen, Robert P. Gaynes, John W. White, Vicien Lorch, M. Dianne Murphy, Sachchida N. Sinha, Donald J. Frank, Niki Kosmetatos, Carl J. Bodenstein, and Robert J. Roberts
- 601 **Value of Computed Tomographic Scanning in Patients With Growth Hormone Deficiency**—Steven P. Smith, Samuel M. Wolpert, Abdollah Sadeghi-Nejad, and Boris Senior
- 606 **Computed Tomographic Demonstration of Cerebral Edema in a Child With Galactosemia**—Anita Lesgold Belman, Solomon L. Moshe, and Robert D. Zimmerman
- 610 **Vertebral Artery Dissection and Alternating Hemiparesis in an Adolescent**—Donald W. Lewis and Peter H. Berman
- 614 **Metoclopramide Effect on Faltering Milk Production by Mothers of Premature Infants**—Richard A. Ehrenkranz and Barbara A. Ackerman
- 621 **Munchausen Syndrome by Proxy Simulating Cystic Fibrosis**—Davis M. Orenstein and Abby L. Wasserman

**AMERICAN ACADEMY
OF PEDIATRICS**

141 Northwest Point Road
Elk Grove Village, IL 60007

**SCHEDULE
OF MEETINGS**

ANNUAL MEETINGS

1986

Washington, DC
November 1-6

1987

New Orleans
October 31-November 5

1988

San Francisco
October 22-27

1989

Chicago
October 21-26

1990

Boston
October 6-11

1991

New Orleans
October 26-31

1992

San Francisco
October 10-15

SPRING SESSIONS

1987

San Francisco
May 9-14

1988

New York City
May 14-19

625 Insulin Pump Therapy in the Very Low Birth Weight Infant—S. G. Ostertag, L. Jovanovic, B. Lewis, and P.A.M. Auld

631 Transcutaneous Carbon Dioxide Tension in Newborn Infants: Reliability and Safety of Continuous 24-Hour Measurement at 42°C—Hans U. Bucher, Sergio Fanconi, Falk Fallenstein, and Gabriel Duc

636 Central Venous Silicone Elastomer Catheter Placement by Basilic Vein Cutdown in Neonates—Joseph Gilhooly, Jeffrey Lindenberg, and John W. Reynolds

640 Bioavailability of Iron in Soy-Based Formula and Its Effect on Iron Nutrition in Infancy—Eva Hertrampf, Marisol Cayazzo, Fernando Pizarro, and Abraham Stekel

646 Growth and Intellectual Development—Darrell M. Wilson, Lawrence D. Hammer, Paula M. Duncan, Sanford M. Dornbusch, Philip L. Ritter, Raymond L. Hintz, Ruth T. Gross, and Ron G. Rosenfeld

651 Aluminum Intoxication in a Child: Treatment With Intraperitoneal Desferrioxamine—Bradley A. Warady, Douglas M. Ford, Charlotte E. Gaston, Aileen B. Sedman, William E. Huffer, and Gary M. Lum

656 Birth Weight and Duration of Breast-Feeding: Are the Beneficial Effects of Human Milk Being Overestimated?—Fernando C. Barros, Cesar G. Vitoria, J. Patrick Vaughan, Peter G. Smith

662 Preventing Injuries to Children Through Compulsory Automobile Safety Seat Use—Alexander C. Wagenaar and Daniel W. Webster

673 Human Immunodeficiency Virus Seroprevalence in Pediatric Patients 2 to 14 Years of Age at Mama Yemo Hospital, Kinshasa, Zaire—Jonathan M. Mann, Henry Francis, Farzin Davachi, Paola Baudoux, Thomas C. Quinn, Nzila Nzilambi, Ngaly Bosenge, Robert L. Colebunders, Ndoko Kabote, Peter Piot, Pangu Kaza Asila, and James W. Curran

678 Neurologic Manifestations of Human Immunodeficiency Virus Infection in Children—Leon G. Epstein, Leroy R. Sharer, James M. Oleske, Edward M. Connor, Jaap Goudsmit, Leta Bagdon, Marjorie Robert-Guroff, and M. Richard Koenigsberger

688 Bone Marrow Transplantation for Children With Acute Leukemia and Down Syndrome—Charles M. Rubin, Maura O'Leary, Penelope A. Koch, and Mark E. Nesbit, Jr

**AMERICAN ACADEMY
OF PEDIATRICS**

141 Northwest Point Road
Elk Grove Village, IL 60007

**SCHEDULE
OF CONTINUING
EDUCATION
COURSES**

1986

*Early Adolescent Transition: An
Interdisciplinary Approach*
(in collaboration with the Johnson &
Johnson Institute)
Charleston, South Carolina
October 16-18

1987

*2nd Annual Vail
Infectious Disease Seminar*
(with the AAP Colorado Chapter)
Vail, Colorado
January 8-11

Pediatric Advances
San Diego, California
February 5-7

Pediatric Advances
Maui, Hawaii
March 5-7

*Advances in
Dermatology/Immunology*
Washington, DC
April 3-5

Pediatric Advances
(with the AAP Pennsylvania
Chapter)
Hilton Head, South Carolina
May 21-23

692 One- to Three-Year Outcome of 14 Neonatal Survivors of Extracorporeal Membrane Oxygenation—Alice French Andrews, Cynthia A. Nixon, Dietrich W. Roloff, and Robert H. Bartlett

699 Intracranial Hemorrhage During Extracorporeal Membrane Oxygenation in Neonates—Robert E. Cilley, Joseph B. Zwischenberger, Alice F. Andrews, Richard A. Bowerman, Dietrich W. Roloff, and Robert H. Bartlett

EDITORIAL

705 Varicella Vaccine: A Point of Decision—Stanley A. Plotkin

EXPERIENCE AND REASON

708 Hematospermia in Adolescents and Young Adults—Tomas J. Silber and Mariana Kastrinakis

711 Child-to-Child Transmission of Gonorrhea: Report of Asymptomatic Genital Infection in a Boy—John J. Potterat, Gary S. Markewich, Richard D. King, and Lee R. Merezicky

713 Suctioning Meconium From the Trachea: A New Solution to an Old Problem—Perry Eisner

LETTERS TO THE EDITOR

714 Neurologic/Behavioral Syndrome Associated With Ingestion of Chloride-Deficient Infant Formula—Thomas A. Kalaita

715 Changing Spectrum of Serious Child Abuse—Karen J. Hanson; Reply by Abraham B. Bergman

716 Child Abuse—Edward Goldson; Reply by Ray E. Helfer

716 Substance Abuse by Teenagers—Virginia Feldman

717 Colchicine Therapy in Sarcoid Arthropathy—Israel Rubinstein and Gerald L. Baum; Reply by Carol B. Lindsley; and Edward Pattishall and Floyd W. Denny

718 Girls on Boys' Teams—John M. Goldenring; Reply by Paul G. Dymment

719 Failure of Trimethoprim/Sulfamethoxazole As Prophylactic Therapy of Gram-Negative Sepsis in Pediatric Patients With Cancer—C. Esquembre, J. Ferris, A. Verdeguer, and V. Castel; Reply by Ellen R. Wald

655 ERRATUM

A22 BOOKS RECEIVED

A22 PEDIATRICS IN REVIEW CONTENTS

A5 MANUSCRIPT PREPARATION

A58 GENERAL INFORMATION

A106 CLASSIFIED ADS

A118 INDEX TO ADVERTISERS

CONTENTS

Varicella Vaccine—Where Are We?—Philip A. Brunell	721
Population-Based Studies of Varicella Complications—H. A. Guess, D. D. Broughton, L. J. Melton III, and L. T. Kurland	723
Varicella: Complications and Costs—Stephen R. Preblud	728
Clinical Overview of Varicella Vaccine: Development and Early Studies—Michiaki Takahashi	736
Combination Measles, Mumps, Rubella, and Varicella Vaccine—Allan M. Arbeter, Linda Baker, Stuart E. Starr, Bruce L. Levine, Elizabeth Books, and Stanley A. Plotkin	742
Varicella Vaccine Studies in Healthy Children and Adults—Allan M. Arbeter, Stuart E. Starr, and Stanley A. Plotkin	748
Live Attenuated Varicella Vaccine Use in Immunocompromised Children and Adults—Anne A. Gershon, Sharon P. Steinberg, Lawrence Gelb, and the National Institute of Allergy and Infectious Diseases Varicella Vaccine Collaborative Study Group	757
Epilogue	763