

Copyright © 1990 by the American Medical Association

THE PEDIATRIC FORUM

- 1180 Call for Abstracts . . . Correction** Vincent A. Fulginiti, MD, New Orleans, La . . .
Neonatology Blues John DiTraglia, MD, Portsmouth, Ohio . . . **Education Concerning Whiplash Shaken Infant Syndrome: An Unmet Need** Carol L. Kandall, MD, New Haven, Conn . . . **Blue Sclerae and Iron Deficiency** Leslie L. Barton, MD, Allan D. Friedman, MD, MPH, St Louis, Mo . . . **Gastroesophageal Reflux in Mechanically Ventilated Newborns** J. B. Gouyon, MD; L. Pradeaux, MD; Vincent Boggio, MD, Dijon Cedex, France . . . **Pediatric Resident Career Day** Russell W. Chesney, MD, Memphis, Tenn . . . **Human Immunodeficiency Virus Infection and Pregnancy Outcome in Intravenous Drug Users** Edward C. Maynard, MD; William Oh, MD; Fernando Indacochea, MD; Georges Peter, MD, Providence, RI . . . **Follow-up of Calcium and Phosphorus Homeostasis in Preterm Infants Who Are Not Extremely Ill** Tamás Decsi, MD; Miklós Fekete, MD, PhD, Pécs, Hungary; William B. Pittard III, MD, Charleston, SC . . . **Transient Changes in Neuroimaging Appearances of the Brain Following Cardiopulmonary Bypass** Robert R. Welch, MB, ChB, MRCP (Peds); P. Byrne, MB, ChB, FRCP, Alberta, Canada; James R. McConnell, MD; Wei-Kom Chu, PhD; Francis J. Hahn, MD; Philip J. Hofschire, MD; John D. Kugler, MD, Omaha, Neb

THE EDITORIAL BOARD SPEAKS

- 1188 Remembrance and Loose Ends of Controversies Past**
Laurence Finberg, MD, Brooklyn, NY

ARTICLES

- 1189 Racial, Social, and Environmental Risks for Childhood Asthma**
Michael Weitzman, MD; Steven Gortmaker, PhD;
Arthur Sobol, MA, Boston, Mass
- 1195 Bacteremia in an Ambulatory Setting: Improved Outcome in Children Treated With Antibiotics**
Elizabeth R. Woods, MD, MPH; James L. Merola, PhD;
William G. Bithoney, MD; Howard Spivak, MD;
Paul H. Wise, MD, MPH, Boston, Mass
- 1200 Total and Differential Leukocyte Counts in Clinically Well Children: Information or Misinformation?**
Virginia A. Moyer, MD, MPH, Richard M. Grimes, PhD, Houston, Tex
- 1207 Immune Complexes in Pediatric Human Immunodeficiency Virus Infection**
Maadhava Ellaurie, MD; Theresa Calvelli, PhD;
Arye Rubinstein, MD, Bronx, NY
- 1210 Longitudinal Study of 94 Symptomatic Infants With Perinatally Acquired Human Immunodeficiency Virus Infection: Evidence for a Bimodal Expression of Clinical and Biological Symptoms**
Stéphane Blanche, MD; Marc Tardieu, MD; Anne-Marie Duliege, MD;
Christine Rouzioux, PhD; Françoise Le Deist, MD; Ken Fukunaga, MD;
Maurizio Caniglia, MD; Christine Jacomet, MD; Antoine Messiah, PhD;
Claude Griscelli, MD, Paris, France

EDITORIAL BOARD

Editor

Vincent A. Fulginiti, MD

American Journal of Diseases of Children
Dean's Office, Room 1529
Tulane University, School of Medicine
1430 Tulane Avenue
New Orleans, LA 70112
(504) 584-1989

Associate Editors

William W. Waring, MD

New Orleans, La

Thomas G. Storch, MD

New Orleans, La

Book Review Editor

Peggy C. Ferry, MD

Tucson, Ariz

Administrative Assistant

Joann M. Quane, New Orleans, La

Secretary

Laura Martin, Tucson, Ariz

Hugh D. Allen, MD, Columbus, Ohio

Milton I. Arnold, MD, Los Angeles, Calif

Alan D. Bedrick, MD, Tucson, Ariz

Richard W. Blumberg, MD, Atlanta, Ga

Ben H. Brouhard, MD, Cleveland, Ohio

George W. Brown, MD, Los Lunas, NM

James J. Corrigan, Jr, MD, Tucson, Ariz

Beverly B. Dahms, MD, Cleveland, Ohio

Murray Feingold, MD, Boston, Mass

Patricia Ferrieri, MD, Minneapolis, Minn

Laurence Finberg, MD, Brooklyn, NY

Boyd W. Goetzman, MD, PhD, Davis, Calif

John D. Johnson, MD, Albuquerque, NM

James P. Keating, MD, St Louis, Mo

Elizabeth R. McAnarney, MD, Rochester, NY

Henry L. Nadler, MD, Chicago, Ill

Robert Penny, MD, Los Angeles, Calif

Albert W. Pruitt, MD, Augusta, Ga

Barton D. Schmitt, MD, Denver, Colo

E. Richard Stiehm, MD, Los Angeles, Calif

William B. Strong, MD, Augusta, Ga

Beverly P. Wood, MD, Los Angeles, Calif

AJDC, American Journal of Diseases of Children (ISSN 0002-922X) is published monthly by the American Medical Association, 515 N State St, Chicago, IL 60610, and is an official publication of the Association. Second-class postage paid at Chicago and at additional mailing office.

SUBSCRIPTION RATES—The subscription rates for the American Journal of Diseases of Children are as follows: \$52 for one year, \$89 for two years in the United States and US Possessions; all other countries, one year, \$62; two years, \$109 for surface delivery. For expedited air delivery to most countries, add \$15 surcharge for one year subscription, \$30 for two years. (Rates for subscriptions for delivery to Japan or South Korea are available through exclusive agents—contact the publisher.) **Special rates for residents and medical students in the United States and US Possessions are available.** Address inquiries to the American Medical Association, Circulation and Fulfillment Division, 515 N State St, Chicago, IL 60610. Phone: (312) 464-0183.

CHANGE OF ADDRESS—POSTMASTER, send all address changes for AJDC, American Journal of Diseases of Children. Attention: Subscription Department, 515 N State St, Chicago, IL 60610. Notification of address change must be made at least six weeks in advance, include both old and new addresses, a recent mailing label, and your new zip code.

Continued on p 1177.

Continued from p 1173.

SPECIAL CONTRIBUTION

- 1218 Diagnostic Guidelines for Kawasaki Disease**
American Heart Association Committee on Rheumatic Fever,
Endocarditis, and Kawasaki Disease, Dallas, Tex

ARTICLES

- 1221 Childhood Deaths From Toy Balloons**
C. Anthony Ryan, MB, MRCP, FRCPC; Wadieh Yacoub, MB BCh, MSc;
Tom Paton, MB ChB, MPH, FRCPC, Edmonton, Alberta;
Denise Avard, PhD, Ottawa, Ontario
- 1225 Disproportionate Septal Hypertrophy
Associated With Erythroblastosis Fetalis**
MAJ Brian S. Carter, MC, USA; Jane E. DiGiacomo, MD;
LCDR Scott M. Balderston, MC, USN; James W. Wiggins, MD;
Gerald B. Merenstein, MD, Denver, Colo
- 1229 Acquired Methemoglobinemia: The Relationship of
Cause to Course of Illness**
Jeffrey R. Avner, MD; Fred M. Henretig, MD;
Constance M. McAneney, MD, Philadelphia, Pa
- 1231 Lead Poisoning and Thalassemia Trait or Iron Deficiency:
The Value of the Red Blood Cell Distribution Width**
Kanta Bhambhani, MB, BS, Regine Aronow, MD, Baltimore, Md

EDUCATIONAL INTERVENTIONS

- 1234 Pediatricians' Knowledge and Practices
Regarding Parental Use of Alcohol**
Steven W. Greer, MD; Howard Bauchner, MD;
Barry Zuckerman, MD, Boston, Mass

ARTICLES

- 1238 Home Care for Ventilator-Dependent Children:
Psychosocial Impact on the Family**
Richard D. Quint, MD, MPH; Elizabeth Chesterman; Lucy S. Crain, MD, MPH;
Marilyn Winkleby, PhD; W. Thomas Boyce, MD, San Francisco, Calif
- 1242 Neurodevelopmental Performance of Very-Low-Birth-Weight
Infants With Mild Periventricular, Intraventricular Hemorrhage:
Outcome at 5 to 6 Years of Age**
Jean Lowe, PhD, LuAnn Papile, MD, Albuquerque, NM



The AMERICAN JOURNAL OF DISEASES OF CHILDREN is a member of the consortium of AMA journals listed below. The Archives reaches more than 41 100 readers in 85 countries each month. The complete text of all AMA journals is available on the MEDIS database from Mead Data Central, Dayton, Ohio.

JAMA The Journal of the American Medical Association

AJDC American Journal of Diseases of Children

archives of
Dermatology

archives of
General Psychiatry

archives of
Internal Medicine

archives of
Neurology

archives of
Ophthalmology

archives of
**Otolaryngology—Head
& Neck Surgery**

archives of
**Pathology
& Laboratory Medicine**

archives of
Surgery

James S. Todd, MD, Executive Vice-President

Kenneth E. Monroe, Deputy Executive Vice-President

Larry E. Joyce, Senior Vice-President

George D. Lundberg, MD, Vice-President, Scientific Information

John T. Baker, Vice-President, Publishing

Norman D. Richey, Director, Publication Production and Printing Division

Lee A. Parent, Director, Circulation-Fulfillment Division

Dennis Joseph Dennehy, Director, Advertising Sales and Promotion Services Division

Thomas J. Carroll, Director, Department of Advertising Communication

Raymond Christian, Director, Advertising Services Department

Continued on p 1178.

PUBLICATION STAFF
Offices: 515 N State St
Chicago, IL 60610

Managing Editor and Director,
AMA Specialty Journals:
Michael D. Springer

Associate Editor:
Julie Foreman

Production Manager:
Marlene M. Hinsch

Assistant Production Managers:
Mary C. Steermann
M. Kathleen Berka

Electronic Manager:
Nawin Gupta

Editorial Processing Manager:
Cheryl Iverson

Assistant Editorial Processing Manager:
Paula Glitman Stone

Permissions and Graphic Design Manager:
Dennis J. Shipley

Electronic Coordinator:
Mary Ellen Johnston

Staff Assistants:
Diane Darnell Bonnie Van Clevon

Copy Editing:
Daniel Knight (Supervisor)
Vickey Golden (Free-lance Coordinator)
Paul Frank (Senior Copy Editor)
Laura Bleiler
Lori Marks
Beena Rao
Janice Snider

Production Supervisors:
Barbara Clark (Proofreading)
Betty Frigerio (Advertising)
Thomas J. Handrigan (Illustrations)
JoAnne Weiskopf (Layout)

Proofreading:
Teresa H. Omiotek Jennifer Reiling
Margaret Johnson

Production Associate:
Susan Price

Art and Senior Production Assistants:
Melinda Arcabos Juliana K. Mills
Karen Branham Dorothy Patterson
Anita Henderson Debbie Pogorzelski
Leslie Koch E. Ruth White
Debra Lucas

Production Assistants:
Brenda Chandler Sandra Sanders

Manuscript Records:
Lisa Hardin

Administrative Assistant
A. Tara Wehnes

**Department of Scientific
and Socioeconomic Indexing:**
Norman Frankel (Director)
George Kruto Mary Kay Tinerella
Susan McClelland

Please address communications concerning accepted or published communications to AMA Specialty Journals, 515 N State St, Chicago, IL 60610.

EDITORIAL POLICY

The JOURNAL is meant to provide physicians in all specialties who practice pediatric medicine a complete and accurate synthesis of all current research developments and clinical topics pertinent to their practice, as well as an open forum for dialogue on scientific, educational, ethical, and humanistic issues of concern to any intellectual committed to the practice of pediatrics.

Continued from p 1177.

1246 Percutaneous Central Venous Catheterization: Three Years' Experience in a Neonatal Intensive Care Unit

Mary Kay Chathas, RN, MSN; John B. Paton, MD;
David E. Fisher, MD, Chicago, Ill

1251 Physical Features of Prader-Willi Syndrome in Neonates

David J. Aughton, MD, Royal Oak, Mich,
Suzanne B. Cassidy, MD, Tucson, Ariz

SPORTS MEDICINE

1255 Cardiovascular Responses to Exercise in Childhood

David S. Braden, MD, William B. Strong, MD, Augusta, Ga

ARTICLES

1261 β -Galactosidase Tablets in the Treatment of Lactose Intolerance in Pediatrics

Marvin S. Medow, PhD; Kerry D. Thek, MD; Leonard J. Newman, MD;
Stuart Berezin, MD; Mark S. Glassman, MD;
Steven M. Schwarz, MD, Valhalla, NY

1265 Risk Factors for Adolescent Cigarette Smoking: The Muscatine Study

Thomas M. Reimers, PhD; Paul R. Pomrehn, MD; Samuel L. Becker, PhD;
Ronald M. Lauer, MD, Iowa City, Iowa

SPECIAL FEATURE

1273 Radiological Case of the Month

Ahmed H. Al-Salem, FRCSI, FICS;
Saleem Khwaja, FRCS, Al-Khobar, Saudi Arabia
Beverly P. Wood, Los Angeles, Calif

BOOK REVIEWS

Books Received but Not Reviewed, 1989 (p 1184) . . . Pediatric and Adolescent Gynecology (Ermans, Goldstein) . . . Adolescent Sexuality and Gynecology (Greydanus, Shearin) Reviewed by Mary E. Rimsza, MD, Phoenix, Ariz (p 1199) . . . Fetal, Neonatal and Infant Cardiac Disease (Moller, Neal, ed) Reviewed by Roberta G. Williams, MD, Los Angeles, Calif (p 1250)

1176 INDEX TO ADVERTISERS

1275 CLASSIFIED ADVERTISING

1280 INSTRUCTIONS FOR AUTHORS

ADVERTISING OFFICES: Eastern: 600 Third Ave, Suite 3700, New York, NY 10016; (Representative: Phillip B. Altamore) [212-867-6640]; Midwest/Farwest: 515 N State St, Chicago, IL 60610 (Manager: Thomas J. Carroll [312-464-2472]; Representative: John P. Cahill, Midwest/Farwest)

Advertising Principles: Each advertisement in this issue has been reviewed and complies with the principles governing advertising in AMA scientific publications. A copy of these principles is available on request. The appearance of advertising in AMA publications is not an AMA guarantee or endorsement of the product or the claims made for the product by the manufacturer.