

Editor: George D. Lundberg, MD

Deputy Editor: M. Therese Southgate, MD

Senior Editors: Helene M. Cole, MD, Bruce B. Dan, MD, Don Riesenber, MD

Senior Contributing Editor: Drummond Rennie, MD

Contributing Editors: John D. Archer, MD, Charles B. Clayman, MD, Lester S. King, MD, Harriet S. Meyer, MD, Carlotta M. Rinke, MD

Statistical Editor: Naomi Vaisrub, PhD

Morris Fishbein Fellow: Jody W. Zyke, MD

Medical News—Editor: Phil Gurby; **Associate Editors:** Marsha F. Goldsmith, Charles Marwick (Washington, DC), Beverly Merz; **Assistant Editor:** Chris Anne Raymond, PhD; **Writer:** Timothy F. Kim

Associate Editor: Roxanne K. Young

Assistant Editors: Charlene Breedlove; Elizabeth Knoll; Letters to the Editor: Sharon Iverson

Editorial Services Manager: Martha Carney

Production Manager: Marlene M. Hinsch

Assistant Production Manager: John R. Sayban

Editorial Processing Manager: Cheryl Iverson

Assistant Editorial Processing Manager: Paula Giltman

Permissions and Graphic Design: Dennis J. Shipley

Production Supervisors: Lori A. Barba (Copy Editing), Thomas J. Handrigan (Illustrations), Elizabeth Petrikenas (Proofreading), John R. Sayban (Advertising), Mary C. Steermann (Editorial), Jo Anne Weiskopf (Layout)

Copy Editing: Vickie Golden (Free-lance Coordinator), Daniel Halbey, Kathy Loudon, Jennifer Sperry

Proofreading: Lisette Sabbach, Barbara Wojtowicz

Senior Production Assistants: Karen Branham, Diane Darnell, Jerri Hall-Gortowski, Jill Harvey, Debra Lucas, Terese Noto, Susan Price, Deirdre Rittenhouse, Helen Sorrell, Ellen Yoshihara

Production Assistants: Darlene E. Flips, Anita Jackson

Illustrations and Layout: Cari Biarmonte, Donna Hagler, Mary Planek-Vanco, Sandra Williams

Cover Editor: M. Therese Southgate, MD

Editorial Coordinator: Cathy Watkins

Editorial Supervisor: Cassandra Johnson

Editorial Assistants: Ann Bartling, Mary Cannon, Michele Knutsen, Mary Ann Lily, Rosemary Navarro, Annette Nunnally, Ethel Pinkston, Theresa Raines, Gale Turner, Helga Wutz

Senior Secretary: Shirley Goines

Indexing: Norman Frankel (Supervisor), Hermese Bryant, Mary Kay Tinerella

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the official policy of the American Medical Association or the institution with which the author is affiliated, unless this is clearly specified.


JAMA, The Journal of the American Medical Association (ISSN 0098-7484), is published four issues per month by the American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Phone (312) 645-5000. Cable address "Medic" Chicago.

SUBSCRIPTION RATES—The subscription rate per year for members of the AMA is \$2 included in the annual membership dues. The subscription rate per year for nonmembers is \$58 for one year, \$102 for two years in the United States and US possessions; in all other countries, one year, \$68; two years, \$115 (add \$35 surcharge to each one-year subscription and \$70 surcharge to each two-year subscription for air delivery to the United Kingdom, Europe, Bangladesh, India, Nepal, or Sri Lanka). Rates to medical students and residents, \$29 for one year, \$51 for two years in the United States and US possessions. Rates for subscriptions for delivery to Australia, Japan, New Zealand, or South Korea are available through respective exclusive agents. Address all subscription communications to American Medical Association, Circulation and Fulfillment Division, 535 N Dearborn St, Chicago, IL 60610. Phone: (312) 280-7154.

CHANGE OF ADDRESS—POSTMASTER, send all address changes to Caryl L. Wertheimer, Director of Fulfillment, 535 N Dearborn 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.

Second-class postage paid at Chicago and additional mailing office.

JAMA[®] Registered in the US Patent and Trademark Office.

Copyright © 1986 by the American Medical Association 

December 19, 1986, Vol 256, No. 23

The Journal is a forum for open and responsible discussion of matters relevant to the field of medicine. Its mission is education: to inform its readers of progress in clinical medicine, medical research, and of developments in other fields of interest to physicians.

The Cover

Perugino, Madonna and Child 3193
G. L. Fite, MD, Bethesda, Md

Medical News & Perspectives 3197

Physicians Enamored of Adventurous Life Make the Great Outdoors Safer for All . . . Hemophilia, Beaten on One Front, Is Beset on Others

From the Alcohol, Drug Abuse, and Mental Health Administration 3201

Leads from the MMWR 3205

Instructions for Authors (Dec 5, 1986, p 2945)

Reference Directories

US Meetings, Dec 5; Meetings Outside the US, July 25; Organizations of Medical Interest, July 11; State Associations and Exams and Licensure, July 18; AMA Officials, Oct 3

Letters 3213

A Sobering Perspective on a Lower Blood Alcohol Limit R. F. Anda, MD; P. L. Remington, MD; D. F. Williamson, PhD, Atlanta

The Risks of Moderate Drinking S. Blume, MD, Sayville, NY; R. I. Levy, MD, New York; W. B. Kannel, MD, Boston; J. Takamine, MD, Los Angeles

Blocking the Filter Vents of Cigarettes L. T. Kozlowski, PhD, Toronto

Dependence on Nicotine Chewing Gum R. J. West, PhD, M. A. H. Russell, FRCP, London; J. R. Hughes, MD, Burlington, Vt; D. Hatsukami, PhD, K. Skoog, Minneapolis

Breast-feeding A. G. Gordon, London

Elevated Atypical Creatine Kinases S. L. Chastain; C. H. Ketchum, MS; W. E. Grizzle, MD, PhD, Birmingham, Ala; B. I. Lee, MD, J. D. Horton, MD, Washington, DC; G. R. Gibson, MD, G. A. Schnur, MD, Warren, Ohio

Sick Santa Syndrome M. L. Dembert, MD, MPH, Norfolk, Va

Hepatitis B Prophylaxis in Dental Professionals C. E. Oyer, MD, T. Redondo, MD, Livingston, NJ; F. E. Shaw, Jr, MD, J. E. Maynard, MD, PhD, Atlanta

Anesthesia and Venous Thromboembolism R. G. Belatti, Jr, MD, Omaha

Aldicarb Poisoning J. M. Witt, PhD, S. L. Wagner, MD, Corvallis, Ore; R. J. Jackson, MD, MPH, L. Goldman, MD, MPH, Berkeley, Calif

Original Contributions

Antibiotic Treatment of Pelvic Inflammatory Disease 3223
D. A. Grimes, MD; J. H. Blount, MPH; J. Patrick; A. E. Washington, MD, Atlanta

Surreptitious Insulin Administration in Adolescents With Insulin-Dependent Diabetes Mellitus 3227
D. P. Orr, MD; T. Eccles, MD; R. Lawlor, PhD, JD; M. Golden, MD, Indianapolis

National Surveillance of AIDS in Health Care Workers 3231
A. R. Lifson, MD, MPH; K. G. Castro, MD; E. McCray, MD; H. W. Jaffe, MD, Atlanta

Impact of Worksite Health Promotion on Health Care Costs and Utilization 3235
J. L. Bly, MSS, R. C. Jones, PhD, Philadelphia; J. E. Richardson, Research Triangle Park, NC

Clinical Investigation

Metabolic Effects of Dietary Fructose and Sucrose in Types I and II Diabetic Subjects 3241
J. P. Bantle, MD; D. C. Laine, RD; J. W. Thomas, MS, Minneapolis

Case Report

Adrenal Insufficiency due to Cryptococcosis 3247
B. Shah, MB, BS; H. C. Taylor, MD; I. Pillay, MB, BS; M. Chung-Park, MD; R. Dobrinich, MD, Cleveland

Brief Reports

- Allergic Sino-orbital Mycosis** 3249
 W. Brummund, MD, PhD; V. P. Kurup, PhD; G. J. Harris, MD;
 J. A. Duncavage, MD; J. A. Arkins, MD, Milwaukee
- Nortriptyline in Depressed Patients With Left Ventricular Impairment** 3253
 S. P. Roose, MD; A. H. Glassman, MD; E-G. V. Giardina, MD; L. L. Johnson, MD;
 B. T. Walsh, MD; S. Woodring, RN, MA; J. T. Bigger, Jr, MD, New York

Topics in Radiology

- Small Intestinal Complications of Diverticulitis of the Sigmoid Colon** 3258
 D. Frager, MD; E. L. Wolf, MD; J. D. Frager, MD; T. C. Beneventano, MD, Bronx, NY

Editorials

- Treatment of Pelvic Inflammatory Disease; Use Doxycycline With an Appropriate β -Lactam While We Wait for Better Data** 3262
 P. Wölnner-Hanssen, MD; D. Eschenbach, MD; J. Paavonen, MD;
 K. K. Holmes, MD, PhD, Seattle
- Another Facet of Brittle Diabetes** 3263
 J. V. Santiago, MD, St Louis
- Risk of AIDS to Health Care Workers** 3264
 M. D. Decker, MD, MPH, W. Schaffner, MD, Nashville, Tenn

A Piece of My Mind

- Lily** 3269
 D. V. Apte, Chicago
- Sueño** 3269
 L. Kunberger, Miami
- Duende and the Presence of Two Poets** 3269
 D. Riedel, College Station, Tex

Specialty Abstracts

Questions and Answers

- Diagnostic and Therapeutic Technology Assessment (DATTA)**
Garren Gastric Bubble
Contrast-Enhanced CT Scans in Pediatrics T. P. Naidich, MD, Chicago,
 R. A. Zimmerman, MD, Philadelphia

Books

- A Case Study of United Healthcare** (Martin, Ethreth, Geving)
 Reviewed by D. J. Jones, MD, Mechanicsburg, Pa
- Marijuana Alert** (Mann) Reviewed by B. Liskow, MD, Kansas City, Mo
- The Healer Within** (Locke, Colligan) Reviewed by C. P. Kimball, MD, Chicago
- Women, Health, and Healing** (Lewin, Olesen, eds) Reviewed by M. J. Vache, MD, Stanford, Calif
- Electrocardiography in Clinical Practice** (Chou) Reviewed by B. Surawicz, MD, Indianapolis
- Software . . . TACH-MAN** (Barrett) Reviewed by R. J. Simpson, Jr, MD, Chapel Hill, NC
- Books Received**

- JAMA 100 Years Ago** 3210
- Osleriana** 3281
- The Exchange** 3285
- Obituaries** 3294
- Classified Advertising** 3300
- CME Corner** 3312
- Index to Advertisers** 3312
- Correction** 3218

Breast Milk Jaundice in the Newborn
 A. P. Schneider II, MD, MPH, Iowa City



The Journal of the American Medical Association

EDITORIAL BOARD

- Kenneth A. Arndt, MD**, Boston
Byron J. Bailey, MD, Galveston, Tex
Arthur E. Baue, MD, St Louis
Donald J. Dalessio, MD, La Jolla, Calif
Cecilia M. Fenoglio, MD, Albuquerque
William H. Fooge, MD, Atlanta
Renee C. Fox, PhD, Philadelphia
Daniel X. Freedman, MD, Los Angeles
Vincent A. Fulginiti, MD, Tucson
Morton F. Goldberg, MD, Chicago
Marilyn Heins, MD, Tucson
Edward C. Hill, MD, San Francisco
James F. Holland, MD, New York
King K. Holmes, MD, PhD, Seattle
Harold G. Jacobson, MD, Bronx, NY
Robert J. Joynt, MD, PhD, Rochester, NY
Richard L. Landau, MD, Chicago
Daniel J. McCarty, MD, Milwaukee
William W. McLendon, MD, Chapel Hill, NC
Arno G. Motulsky, MD, Seattle
Robert E. Rakel, MD, Houston
Domeena C. Renshaw, MD, Chicago
Martha M. Sarasa, MD, PhD, Charleston, SC
Alfred Soffer, MD, Park Ridge, Ill
Robert M. Veatch, PhD, Washington, DC

AMA Officers

- President:** John J. Coury, Jr, MD*
President-Elect: William S. Hotchkiss, MD*
Immediate Past President: Harrison L. Rogers, Jr, MD
Secretary-Treasurer: George L. Collins, Jr, MD*
Speaker, House of Delegates: James E. Davis, MD
Vice-Speaker, House of Delegates: John L. Clowe, MD

AMA Trustees

- Stefano Bertozzi (student); Lonnie R. Bristow, MD; Rufus K. Broadway, MD; George L. Collins, Jr, MD* (Secretary); Ronald M. Davis, MD (resident); John H. Dawson, MD; Ray W. Gifford, MD; Robert E. McAfee, MD; Alan R. Nelson, MD* (Chairman); Joseph T. Painter, MD*; John J. Ring, MD* (Vice-Chairman); Raymond Scalettar, MD; Jerald R. Schenken, MD*; C. John Tupper, MD

* Executive Committee

All articles published, including editorials, letters and book reviews, represent the opinions of the authors and do not reflect the official policy of the American Medical Association or the institution with which the author is affiliated, unless this is clearly specified

Executive Vice President: James H. Sammons, MD

Senior Deputy Executive Vice President: James S. Todd, MD

Deputy Executive Vice President: Whalen M. Strobhar

Assistant Executive Vice President: Theodore R. Chilcoat, Jr

Assistant Executive Vice President: M. Roy Schwarz, MD

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

Vice President, Publishing and Marketing: John T. Baker

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

General Sales Manager; Director, Advertising Sales and Promotion Services Division: D. Joseph Dennehy

Director, Circulation-Fulfillment Division: Lee A. Parent

Director, Promotion and Western Sales: Thomas J. Carrol

Director, Advertising Services: Raymond Christian

ADVERTISING OFFICES: Eastern: 600 Third Ave, Suite 700, New York, NY 10016 (**Manager:** Robert C. Corcoran [212-867-6640]; **Representatives:** Bill Tice, Cliff Vanderhoof); **Midwest/Farwest:** 535 N Dearborn St, Chicago, IL 60610 (**Manager:** Thomas J. Carrol [312-280-7182]; **Representative:** Daniel T. Mjölness); **Classified Advertising:** Delores Boudent [312-280-7190]

ADVERTISING PRINCIPLES—Advertisements in this issue have been reviewed to comply with the principles governing advertising in AMA 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.