

JAMA

The Journal of the American Medical Association



John Singleton Copley, *The Copley Family*, 1776-1777, American.

May 12, 1999

ORIGINAL CONTRIBUTIONS

- First Unaffected Pregnancy Using Preimplantation Genetic Diagnosis for Sickle Cell Anemia 1701
 K. XU, Z. M. SHI, L. L. VEECK, M. R. HUGHES, Z. ROSENWAKS
- Depressed Adolescents Grown Up 1707
 M. M. WEISSMAN, S. WOLK, R. B. GOLDSTEIN, D. MOREAU, P. ADAMS, S. GREENWALD, C. M. KLIER, N. D. RYAN, R. E. DAHL, P. WICKRAMARATNE
- The Definition of Anemia in Older Persons 1714
 G. J. IZAKS, R. G. J. WESTENDORP, D. L. KNOOK
- Malondialdehyde-Modified LDL as a Marker of Acute Coronary Syndromes 1718
 P. HOLVOET, D. COLLEN, F. VAN DE WERF

CLINICAL INVESTIGATION

- Long-term Exercise and Atherogenic Activity of Blood Mononuclear Cells in Persons at Risk of Developing Ischemic Heart Disease 1722
 J. K. SMITH, R. DYKES, J. E. DOUGLAS, G. KRISHNASWAMY, S. BERK

SPECIAL COMMUNICATION

- The Safety of Newly Approved Medicines: Do Recent Market Removals Mean There Is a Problem? 1728
 M. A. FRIEDMAN, J. WOODCOCK, M. M. LUMPKIN, J. E. SHUREN, A. E. HASS, L. J. THOMPSON

CONSENSUS STATEMENT

- Anthrax as a Biological Weapon: Medical and Public Health Management 1735
 T. V. INGLESBY, D. A. HENDERSON, J. G. BARTLETT, M. S. ASCHER, E. EITZEN, A. M. FRIEDLANDER, J. HAUER, J. MCDADE, M. T. OSTERHOLM, T. O'TOOLE, G. PARKER, T. M. PERL, P. K. RUSSELL, K. TONAT;
 FOR THE WORKING GROUP ON CIVILIAN BIODEFENSE

GRAND ROUNDS

- Advances in Molecular Genetics and Management of Hypertrophic Cardiomyopathy 1746
 L. FANANAPAZIR

EDITORIALS

- The Safety of New Medicines: The Importance of Asking the Right Questions 1753
 A. J. J. WOOD
- JAMA-EXPRESS: Rapid Peer Review and Publication 1754
 M. A. WINKER, P. B. FONTANAROSA

Letters

- Endovaginal Ultrasound to Evaluate Endometrial Abnormalities 1693
 R. L. BREE, C. B. BENSON, M. BOHM-VELEZ; R. SMITH-BINDMAN, K. KERLIKOWSKA, V. FELDSTEIN
- Evidence Supporting Antileukotriene Agents for Asthma
 A. S. GO; S. E. WENZEL
- Postoperative Radiotherapy for Single Brain Metastases
 D. J. MORRIS; W. CARROLL; R. J. YAES; R. A. PATCHELL, P. A. TIBBS, W. F. REGINE, M. MOHIUDDIN, R. J. KRYSZCIO, W. R. MARKESBERY, K. A. FOON, B. YOUNG, R. J. DEMPSEY
- Does Use of Potent Antiretroviral Therapy Differ by Health Care Setting?
 J. FESSEL, S. FOLLANSBEE, L. HURLEY, D. KLEIN; R. DETELS, A. MUÑOZ, J. PHAIR
- Primary Care Research and Protection for Human Subjects
 J. W. BEASLEY
- Legal Implications of Practicing Alternative Medicine
 M. I. WEINTRAUB; D. M. STUDDERT, T. A. BRENNAN
- Saw Palmetto for Benign Prostatic Hyperplasia
 D. E. MCKINNEY

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.

115 Years of CONTINUOUS PUBLICATION

(TABLE OF CONTENTS CONTINUED ON PAGE 1669.) 1667

JAMA

Humanities

THE COVER 1674

The Copley Family

M. T. SOUTHGATE

POETRY AND MEDICINE 1674 g

Remuneration

V. KAMAT

JAMA 100 YEARS AGO 1674 j

The Dispensary Abuse

Visions

Reader Service

This Week in JAMA 1671

Masthead 1672

The Key and Critical Objectives of JAMA 1674 d

Abstracts 1682 c

Archives Journals Abstracts ... 1682 m

Obituary 1762

Robert Anderson Aldrich, MD

Obituary Listing 1763

Continuing Medical Education

JAMA Reader's Choice 1765

Classified Advertising and Announcements 1766 d

Index of Advertisers 1767

Subscription, Business, and Contact Information 1767

Reference Directories

Meetings in the United States and International Meetings April 28, 1999

Organizations of Medical Interest and State Medical Associations and Examinations and Licensure July 22/29, 1998

JAMA Instructions for Authors

JANUARY 6, 1999

This Week Online

- Tables of contents, abstracts, and full text of selected articles available online.

www.jama.com

CONTEMPO 1999

Diabetes Care and Patient-Oriented Outcomes 1676
M. BERGER, I. MÜHLHAUSER

FROM THE JAMA WEB SITES

Induction/Maintenance Treatment Regimens for HIV 1680
J. S. G. MONTANER

BOOKS, JOURNALS, NEW MEDIA 1757

AIDS and Other Manifestations of HIV Infection (Wormser, ed)

REVIEWED BY A. P. PANWALKER

Clinical Neuromyology and Other Arguments and Essays, Pertinent and Impertinent (Landau)

REVIEWED BY T. RILEY

Quarantine! East European Jewish Immigrants and the New York City Epidemics of 1892 (Markel)

REVIEWED BY R. J. T. JOY

Health Information Management Across the Continuum (Clark, ed)

REVIEWED BY E. H. STANLEY

Journal of Clinical Densitometry (Rosen, ed)

REVIEWED BY J. L. DORSCH, T. R. DORSCH

Books, Journals, New Media Received

RESIDENT PHYSICIAN FORUM

AMA-RFS Testifies on GME Funding 1761 h
C. RAINEY

JAMA PATIENT PAGE

Sickle Cell Anemia 1768

News and Analysis

MEDICAL NEWS & PERSPECTIVES 1683

Hospice Care in the United States: A Conversation With Florence S. Wald

Futurists See Longer, Better Life in the Third Millennium

Growing Hispanic Association Serves Increasing Population

Miscellanea Medica

THE WORLD IN MEDICINE 1689

Caring for Kosovars

Surviving Ebola

No "Mad Cow" Mortality

Heat and Heart Attack

FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION 1690

Final Stages of Poliomyelitis Eradication—Western Pacific Region, 1997-1998

Progress Toward Poliomyelitis Eradication—Pakistan, 1994-1998

JAMA

EDITORIAL STAFF

INTERIM COEDITORS

Richard M. Glass, MD

Phil B. Fontanarosa, MD

Deputy Editor (West): Drummond Rennie, MD**Deputy Editor:** Margaret A. Winker, MD**Senior Contributing Editor:** M. Therese Southgate, MD**Contributing Editors:** Charles B. Clayman, MD, Helene M. Cole, MD, Thomas B. Cole, MD, MPH, David S. Cooper, MD, David H. Mark, MD, MPH, Harriet S. Meyer, MD, Carin M. Olson, MD, Ronna Henry Siegel, MD, Jeanette M. Smith, MD, Jody W. Zylke, MD**Consulting Editors:** Robert A. Clark, MD, Deborah J. Cook, MD**Statistical Editor:** Naomi Vaisrub, PhD**Associate Senior Editor:** Annette Flanagin**Associate Editors:** Charlene Breedlove, Roxanne K. Young**Fishbein Fellow:** Thomas C. Jefferson, MD**Medical News & Perspectives:** Marsha F. Goldsmith (editor); Charles Marwick, Mary Jane Friedrich, Mike Mitka, Joan Stephenson, PhD (associate editors); Rebecca Voelker (contributing editor)**Assistant Editor:** Juliana M. Walker**Staff Assistant:** Helga Fritz**Electronic Media:** Marty Suter (interim director); Deborah Flapan, Neal Shankman, Wendi Williams (assistant editors); Brande Martin (Web copy editor); Marla A. Hall (staff assistant)**msJAMA:** Jonathan H. Lin (editor)**Editorial Systems and Administration:** Elaine Williams (director); Lenette Gardner-Gullens (electronic input supervisor); Celina Canchola (electronic input specialist)**Editorial Assistants:** Linda Baker, Patricia Joworski, Gale Saulsberry (group supervisors); Kemberly Evans (letters coordinator); Mary Cannon, Susan Collister, Audrey Forman, Shirley Gogins, Gwenn Gregg, Lisa Hardin, Carmina Landeros, Mary Ann Lilly, Ethel Pinkston, Jennifer Reiling, Raul Serrato, Nadine Siewnarine, Gloria Tate**Editorial Processing Division:** Cheryl Iverson (director); Paul Frank (electronic editing specialist); Monica Mungle (assistant electronic editing specialist)**Copyediting:** Stacy L. Christiansen (director); Susan R. Benner (senior copy editor); Coleen Adamson, Joy K. Jaeger, Marie Reinke, Beverly Stewart

PUBLISHING AND BUSINESS STAFF

VICE PRESIDENT, PUBLISHING
Robert L. KennettPUBLISHER
Peter J. Murphy**Production and Distribution Division:** Vanessa Hayden (director), Diane Darnell (publishing manufacturing analyst), Bonnie Van Clevon (manager, budgets and costs), Karen Adams-Taylor (director, advertising and production), Linda Knott (director, electronic production), Paul Gasiecki (manager, distribution), Debbie Camp, Betty Frigerio (production services supervisors), Terri Hanley (production specialist)**Managers:** Phil Arko (composition), Mary Ellen Johnston (database and new media), Teresa Omiotek (proofreading), Carole Piszker (advertising), Susan Price (print production), Charl Richey (color and graphics)**Proofreaders:** David Antos, Daniel James, Rachel Novickas, Mary Kay Tinerella, Barbara Wojtowicz**Production Associates and Specialists:** Joseph Amft, Gail Barrett, Paul Boscoe, Joel Brammeier, Karen Branham, Regina Brownlee, Victoria Buckner, Noel Chaparro, Brenda Chandler-Grayer, Heather Crego, La'son J. Diggs, Mary Anne Donley, Karl Elvin, Shannon Eplett, Amy Evers, Kathy Gaydar, Mari Guizzetti, Maria Kowalkowski, Mary Ann Kuranda, Sandra Lopez, Anne McBride, Melanie Parenti, Sarah Powell, Beth A. Rillema, Michelle Robinson, Angela Smits, Denise Steinhauer, Jo Anne Turner, JoAnne Weiskopf, Amelia Zamudio**Production Assistants:** Bryan Irzyk, Ruth Sprague**Circulation and Content Marketing Staff:** James A. Skowrenski (director)**Circulation Processing:** Beverly Martin (director)**Circulation Development:** Bina Oza (director); Robert Herling, Audrey Mathies (circulation marketing managers)**Licensing and Permissions:** Norman Frankel (director), Rhonda Bailey (permissions)**Advertising Sales Staff:** Stuart H. Williams (director)**Eastern:** Susan J. Carollo, Alice H. Herman (representatives); 119 Cherry Hill Rd, Third Floor, Parsippany, NJ 07054, (973) 263-9191**Midwest/Farwest:** Jeffery J. Bonistalli (representative); 515 N State St, Chicago, IL 60610, (312) 464-2551**Classified Advertising:** Crystal Wells (representative); 515 N State St, Chicago, IL 60610, (312) 464-2456**Marketing Services Manager:** Kathleen Hiltz

AMA CHIEF EXECUTIVES, OFFICERS, AND TRUSTEES

AMA EXECUTIVE STAFF

Executive Vice President, Chief Executive Officer: E. Ratcliffe Anderson, Jr, MD**Chief Operating Officer:** Lynn E. Jensen, PhD**Senior Vice President, Publishing and Business Services:** Paul J. Blackney

AMA OFFICERS AND TRUSTEES

President: Nancy W. Dickey, MD***President-Elect:** Thomas R. Reardon, MD***Immediate Past President:** Percy Wootton, MD**Secretary-Treasurer:** Timothy T. Flaherty, MD***Speaker, House of Delegates:** Richard F. Corlin, MD**Vice-Speaker, House of Delegates:** John A. Knote, MD**Trustees:** Herman I. Abromowitz, MD; Susan Hershberg Adelman, MD; Yank D. Coble, MD*; Palma E. Formica, MD; J. Edward Hill, MD; Donald T. Lewers, MD* (Vice Chair); William H. Mahood, MD; John C. Nelson, MD*; Donald J. Palmisano, MD, JD; William G. Plested III, MD; Bruce A. Scott, MD (Young Physician); Randolph D. Smoak, Jr, MD* (Chair); Andrew M. Thomas, MD (Resident); Jeffrey A. Towson (Student)

*Executive Committee

EDITORIAL BOARD

Daniel M. Albert, MD
University of Wisconsin Hospital and Clinics
Madison, Wis**Kenneth A. Arndt, MD**
Harvard Medical School
Boston, Mass**H. David Banta, MD**
The Netherlands Organization
for Applied Scientific Research
Leiden, the Netherlands**Jack D. Barchas, MD**
Cornell University Medical College
New York, NY**Michael Berger, MD**
Heinrich Heine Universität Düsseldorf
Düsseldorf, Germany**Robert J. Blendon, ScD**
Harvard University
Boston, Mass**Marjorie A. Bowman, MD, MPA**
University of Pennsylvania Health System
Philadelphia, Pa**Iain Chalmers, MBBS, MSc**
UK Cochrane Centre
Oxford, United Kingdom**James E. Dalen, MD**
University of Arizona College of Medicine
Tucson, Ariz**Catherine D. DeAngelis, MD**
Johns Hopkins University
School of Medicine, Baltimore, Md**Lois DeBakey, PhD**
Baylor College of Medicine
Houston, Tex**Ronald G. Evens, MD**
Washington University School of Medicine
St Louis, Mo**Michael E. Johns, MD**
Robert W. Woodruff Health Sciences
Center of Emory University
Atlanta, Ga**Colin I. Johnston, MB, BS**
University of Melbourne
Melbourne, Australia**Wayne F. Larrabee, Jr, MD**
University of Washington
Seattle, Wash**Hervé Maisonneuve, MD**
Agence Nationale d'Accreditation et
d'Evaluation en Santé, Paris, France**Kenneth D. McClatchey, MD, DDS**
Loyola University Medical Center
Maywood, Ill**C. David Naylor, MD, DPHl**
University of Toronto
Toronto, Ontario, Canada**Claude H. Organ, Jr, MD**
University of California—Davis, East Bay
Oakland, Calif**Edmund D. Pellegrino, MD**
Georgetown University
Washington, DC**Reed E. Pyeritz, MD, PhD**
MCP Hahnemann University
Pittsburgh, Pa**Uwe E. Reinhardt, PhD**
Princeton University, Princeton, NJ**Povl Riis, MD, DSCI, DHC**
Professor of Medicine
Copenhagen, Denmark**William L. Roper, MD, MPH**
University of North Carolina at Chapel Hill
Chapel Hill, NC**Roger N. Rosenberg, MD**
University of Texas
Southwestern Medical Center
Dallas, Tex**Renée Solomon, MD**
Mount Sinai—NYU Medical Center
New York, NY**Masaaki Terada, MD**
National Cancer Center
Tokyo, Japan

INTERNATIONAL ADVISORY COMMITTEE

Bassel Atallah, MD, JAMA—Middle East
Mauro Bologna, MD, JAMA—Italy
Romuald Debski, MD, PhD, JAMA—Poland
Carlos R. Gherardi, MD, JAMA—Argentina
Carla Gikovate, MD, JAMA—Brazil
Yuichiro Goto, MD, JAMA—Japan
Evin Kantemir, MD, JAMA—Turkey
A. J. Khan, SI, FRCP, JAMA—Pakistan
Jin-Pok Kim, MD, JAMA—Korea
C. R. Kumana, MBBS, JAMA—Southeast Asia
Li Chengyi, MD, JAMA—China
Alexandra Livaditou, MD, JAMA—Greece
Ivan Vidmar, MD, JAMA—Slovenia
Miquel Vilardell-Tarres, MD, JAMA—Spain
Jiří Widimský, MUDr, DrSc, JAMA—Czech/Slovak
Alexei Yurenev, MD, JAMA—Russia