

JAMA

The Journal of the American Medical Association



Giovanni Bellini (c 1427-1516), *St Jerome Reading*, 1480/1490, Venetian.

Letters

Reasons Physicians Do Not Follow Clinical Practice Guidelines 1685
 R. M. Veatch; A. A. Montgomery, T. J. Peters, T. Fahey; K. Dahlberg; M. D. Cabana, C. S. Rand, N. R. Powe, A. W. Wu, P.-A. C. Abboud, M. H. Wilson

Tourism and Smoke-Free Restaurant Ordinances
 H. Noto; S. A. Glantz, A. Charlesworth

Clinical Breast Examination for Detecting Breast Cancer
 W. H. Goodson III, D. H. Moore II; F. M. Hall; D. B. Kopans; M. B. Barton, S. W. Fletcher, R. Harris

School-Based Scoliosis Screening
 J. A. Mertz; B. P. Yawn, R. A. Yawn, S. J. Jacobsen, W. J. Shaughnessy, D. Hodge, D. Ilstrup

Research Letters 1689

Early-Onset Familial Alzheimer Disease With Coexisting β -Amyloid and Prion Pathology
 G. Leuba, K. Saini, A. Savioz, Y. Charnay

Does Cranberry Juice Have Antibacterial Activity?
 Y.-L. Lee, J. Owens, L. Thrupp, T. C. Cesario

116 Years of
Continuous
Publication

EDITOR
 Catherine D. DeAngelis, MD, MPH

www.jama.com

April 5, 2000

ORIGINAL CONTRIBUTIONS

Effect of Metformin and Rosiglitazone Combination Therapy in Patients With Type 2 Diabetes Mellitus: A Randomized Controlled Trial 1695
 V. Fonseca, J. Rosenstock, R. Patwardhan, A. Salzman

Valvular Abnormalities and Cardiovascular Status Following Exposure to Dexfenfluramine or Phentermine/Fenfluramine 1703
 J. M. Gardin, D. Schumacher, G. Constantine, K. D. Davis, C. Leung, C. L. Reid

Trends in Medical Use and Abuse of Opioid Analgesics 1710
 D. E. Joranson, K. M. Ryan, A. M. Gilson, J. L. Dahl

Comparison of Vignettes, Standardized Patients, and Chart Abstraction: A Prospective Validation Study of 3 Methods for Measuring Quality 1715
 J. W. Peabody, J. Luck, P. Glassman, T. R. Dresselhaus, M. Lee

CARING FOR THE CRITICALLY ILL PATIENT

E5 Murine Monoclonal Antiendotoxin Antibody in Gram-Negative Sepsis: A Randomized Controlled Trial 1723
 D. C. Angus, M. C. Birmingham, R. A. Balk, P. J. Scannon, D. Collins, J. A. Kruse, D. G. Graham, H. V. Dedhia, S. Homann, N. MacIntyre; for the E5 Study Investigators

SPECIAL COMMUNICATION

American Medical Malpractice Litigation in Historical Perspective 1731
 J. C. Mohr

EDITORIALS

Heart Valve Disorders and Appetite-Suppressant Drugs 1738
 H. Jick

The Quest to Quantify Quality 1740
 S. D. Fihn

A Public Health Approach to Reducing Error: Medical Malpractice as a Barrier 1742
 L. Gostin

(Table of Contents continued on page 1653.) **1651**

©2000 American Medical Association. All rights reserved.

JAMA

Humanities

THE COVER 1659

St Jerome Reading
M. T. Southgate

A PIECE OF MY MIND 1661

Faith and Doubt
J. M. Geiderman

POETRY AND MEDICINE 1663

Eleventh Floor
M. J. Straus

JAMA 100 YEARS AGO 1664

Curious Facts You Find
in General Surgery

Reader Service

This Week in JAMA 1655

Masthead 1656

Abstracts 1667

Archives Journals Abstracts 1670

**The Key and Critical Objectives
of JAMA** 1672

Obituary Listing 1758

**Continuing Medical Education
JAMA Reader's Choice** 1759

**Classified Advertising
and Announcements** 1762

Index of Advertisers 1777

**Subscription, Business,
and Contact Information** 1777

Reference Directories

Meetings in the United States and
International Meetings March 15, 2000
Organizations of Medical Interest
and State Medical Associations and
Examinations and Licensure July 28, 1999

JAMA Instructions for Authors

JANUARY 5, 2000

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.

msJAMA 1745

Continuing Controversy Over the International Medical Graduate
National Interest Waiver Eligibility for International Medical Graduates
High-Stakes Medical Performance Testing: The Clinical Skills Assessment Program
The Posttraining Plans of International Medical Graduates
and US Medical Graduates in New York State
Overcoming Cultural Barriers: International Medical Graduates in the United States

RESIDENT PHYSICIAN FORUM

AMA Foundation Recognizes Resident Leaders, Part 1 1752

BOOKS, JOURNALS, NEW MEDIA 1753

Lipoproteins in Health and Diseases (Betteridge et al, eds)
Reviewed by G. Schectman

Proteins, Enzymes, Genes: The Interplay of Chemistry and Biology (Fru-ton)
Reviewed by V. B. Smocovitis

Hodgkin's Disease (Mauch et al, eds)
Reviewed by E. Bernicker

Clinical Problem-Solving Cases (Zaroukian, ed)
Reviewed by J. M. Lamiell

Books, Journals, New Media Received

JAMA PATIENT PAGE

Pain Management 1778

News and Analysis

MEDICAL NEWS & PERSPECTIVES 1675

National Library of Medicine to Help Consumers Use Online Health Data
Research on Children's Anxiety Needed
Ensuring Ethical Internet Information

FROM THE FOOD AND DRUG ADMINISTRATION 1679

Risk of Drug Interactions With St John's Wort
First Drug for Penicillin-Resistant Community-Acquired Pneumonia
Advisory Committee Meeting

MEDICINE IN UNIFORM 1680

Fewer Anthrax Injections?
Other Deployment-Related Ideas
A Real Pocket Book
One Fewer Major Deployment
How Will Future Patients Fly?

FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION 1681

Update: Influenza Activity—United States, 1999-2000 Season
Developing and Expanding Contributions of the Global Laboratory Network
for Poliomyelitis Eradication, 1997-1999

JAMA

EDITORIAL STAFF

EDITOR

Catherine D. DeAngelis, MD, MPH

Deputy Editors: Richard M. Glass, MD, Drummond Rennie, MD, Phil B. Fontanarosa, MD, Margaret A. Winker, MD

Senior Contributing Editor: M. Therese Southgate, MD

Managing Senior Editor: Annette Flanagan

Contributing Editors: Charles B. Clayman, MD, Helene M. Cole, MD, Thomas B. Cole, MD, MPH, David S. Cooper, MD, Thomas C. Jefferson, MD, David H. Mark, MD, MPH, Harriet S. Meyer, MD, Carin M. Olson, 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 Editors: Charlene Breedlove, Roxanne K. Young

Fishbein Fellow: Stephen J. Lurie, MD, PhD

Medical News & Perspectives: Marsha F. Goldsmith (editor); Charles Marwick, Mike Mitka, Joan Stephenson, PhD (associate editors); Rebecca Voelker (contributing editor)

Assistant Editor: Juliana M. Walker

MSJAMA: Jonathan H. Lin, PhD, Sue Sun Yom (editors)

Assistant to the Editor: Helga Fritz

Administrative Assistant: Nadine Siewnarine

Editorial Graphics: Ronna Henry Siegel, MD (director); Jill Ghormley (medical illustrator)

Electronic Media: Marty Suter (director); Brande Martin (assistant editor); Michelle Kurzynski (Web copy editor); Marla A. Hall (staff assistant)

Editorial Systems and Administration: Elaine Williams (director); Lenette Gardner-Gullens (electronic input supervisor); Fanny L. Brown, Celina Canchola (electronic input specialists)

Editorial Assistants: Patricia Joworski, Gale Saulsbury (group supervisors); Kemberly Evans (letters coordinator); Mary Cannon, Susan Collister, Audrey Forman, Shirley Gogins, Charisse Green, Gwenn Gregg, Lisa Hardin, Carmina Landeros, Mary Ann Lilly, Ethel Pinkston, Jennifer Reiling, Raul Serrato, Gloria Tate

Editorial Processing Division: Cheryl Iverson (director); Paul Frank (electronic editing specialist); Monica Mungle (assistant electronic editing specialist)

Copyediting: Stacy L. Christiansen (director); Joy K. Jaeger (abstracts editor); Coleen Adamson, Susan R. Benner (senior copy editors); Diane Howard, Marie Reinke, Beverly Stewart

PUBLISHING AND BUSINESS STAFF

Vice President, Publishing: Robert L. Kennett

Publisher: Peter J. Murphy

Production and Distribution Division: Vanessa Hayden (director), Diane Darnell (publishing manufacturing analyst), Karen Adams-Taylor (director, advertising and production), Paul Gasiecki (manager, distribution), Debbie Camp (production services supervisor), Terri Hanley (production specialist)

Managers: Phil Arko (composition), Mary Ellen Johnston (database and new media), Carole Piszker (advertising), Susan Price (print production), Charl Richey (color and graphics)

Proofreaders: David Antos, Daniel James, Rachel Novickas, Teresa Omiolek, Mary Kay Tinerella, Barbara Wojtowicz

Production Associates and Specialists: Joseph Amft, Gail Barrett, 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 Epplert, Amy Evers, Carolyn Hall, Maria Kowalkowski, Mary Ann Kuranda, Sandra Lopez, Christopher Meyer, Melanie Parenti, Sarah Powell, Michelle Robinson, Angela Smits, Denise Steinhauser, Jo Anne Turner, Carmela Ware, JoAnne Weiskopf, Amelia Zamudio

Production Assistant: Ruth Sprague

Circulation and Content Marketing Staff:

James A. Skowrenski (director)

Circulation Processing: Robert Herling (director); Susan Stoken, Alfred Tomaselli (managers); Reginald Jordan, Kathryn Osten (specialists)

Circulation Development: Bina Oza (director); Audrey Mathies, Timothy Ryan (managers); Sandra Garzon, Michael McGraw (specialists)

Licensing and Permissions: Norman Frankel (director); Rhonda Bailey (permissions)

Subscriber Services: (800) 262-2350; fax: (312) 464-5831; e-mail: ama-subs@ama-assn.org

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 EXECUTIVES AND TRUSTEES

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: Robert A. Musacchio, PhD

President: Thomas R. Reardon, MD

President-Elect: Randolph D. Smoak, Jr, MD

Immediate Past President: Nancy W. Dickey, MD

Speaker, House of Delegates: Richard F. Corlin, MD

Vice-Speaker, House of Delegates: John A. Knotte, MD

Trustees: D. Ted Lewers, MD (chair); Timothy T. Flaherty, MD (vice chair); Yank D. Coble, Jr, MD (secretary-treasurer); Herman I. Abramowitz, MD; Susan Hersberg Adelman, MD; Duane M. Cady, MD; J. Edward Hill, MD; Matthew Kagan (student); William H. Mahood, MD; John C. Nelson, MD; Donald J. Palmisano, MD; William G. Plested, MD; Liana Puscas, MD (resident); Joseph A. Riggs, MD; Bruce A. Scott, MD (young physician)

JOURNAL OVERSIGHT COMMITTEE

Joshua Lederberg, PhD (chair), Christine K. Cassel, MD, David A. Kessler, MD, JD, Robert A. Musacchio, PhD, William M. Passano, Jr, Roy M. Pitkin, MD, Kenneth I. Shine, MD

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

James E. Dalen, MD
University of Arizona College of Medicine
Tucson, Ariz

Lois DeBaakey, PhD
Baylor College of Medicine
Houston, Tex

Pierre Durieux, MD, MPH
Université Paris 6
Paris, France

Ronald G. Evens, MD
Washington University School of Medicine
St Louis, Mo

Alain Joffe, MD
Johns Hopkins University
School of Medicine
Baltimore, Md

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

Donald A. B. Lindberg, MD
National Library of Medicine
Bethesda, Md

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 Debcki, MD, PhD, JAMA—Poland

Csaba Farsang, MD, DSc, JAMA—Hungary

Carlos R. Gherardi, MD, JAMA—Argentina

Carla Gikovate, MD, MSc, JAMA—Brazil

Hiromasa Ishii, 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 Livaditov, MD, JAMA—Greece

Victor Hugo Olmedo Canchola, MD, JAMA—Mexico

Ivan Vidmar, MD, JAMA—Slovenia

Miquel Vilardell-Tarres, MD, JAMA—Spain

Jiří Widimský, MUDr, DrSc, JAMA—Czech/Slovak

Alexei Yurenev, MD, JAMA—Russia