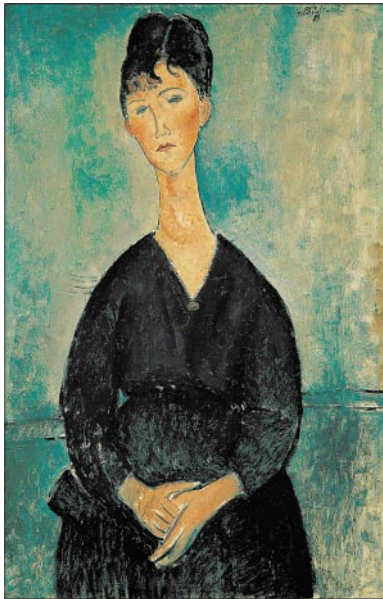


# JAMA

The Journal of the American Medical Association



Amedeo Modigliani (1884-1920), *Café Singer*, 1917, Italian.

## Letters

### Safety of FDA-Approved Drugs ... 2297

P. LURIE, L. D. SASICH; M. A. FRIEDMAN, J. WOODCOCK, M. M. LUMPKIN, J. E. SHUREN, A. E. HASS, L. J. THOMPSON

### Treatment of Hyponatremic Encephalopathy

S. A. SMITH; R. H. STERNS; A. I. ARIEFF, J. C. AYUS

### Bleeding Risk With Trastuzumab (Herceptin) Treatment

M. J. NISSENBLATT, G. I. KARP; S. J. STEWART

### Transmissible Spongiform Encephalopathies and the US Blood Supply

S. L. WILKINSON; M. MITKA

### Hypertrophic Cardiomyopathy

B. J. MARON, W. J. MCKENNA, P. ELLIOTT, P. SPIRITO, M. P. FRENNEAUX, A. KEREN, F. CECCHI, M. BORGGREFE, W. G. WILLIAMS; L. FANANAPAZIR

116 Years of  
CONTINUOUS  
PUBLICATION

INTERIM COEDITORS  
Richard M. Glass, MD  
Phil B. Fontanarosa, MD

www.jama.com

December 22/29, 1999

## ORIGINAL CONTRIBUTIONS

### Efficacy and Safety of Adefovir Dipivoxil With Antiretroviral Therapy: A Randomized Controlled Trial ..... 2305

J. KAHN, S. LAGAKOS, M. WULFSOHN, D. CHERNG, M. MILLER, J. CHERRINGTON, D. HARDY, G. BEALL, R. COOPER, R. MURPHY, N. BASGOZ, E. NG, S. DEEKS, D. WINSLOW, J. J. TOOLE, D. COAKLEY; FOR THE GS-408 STUDY TEAM

### Informed Decision Making in Outpatient Practice: Time to Get Back to Basics ..... 2313

C. H. BRADDOCK III, K. A. EDWARDS, N. M. HASENBERG, T. L. LAIDLEY, W. LEVINSON

### Identification of a W Variant Outbreak of *Mycobacterium tuberculosis* via Population-Based Molecular Epidemiology ..... 2321

P. J. BIFANI, B. MATHEMA, Z. LIU, S. L. MOGHAZEH, B. SHOPSIN, B. TEMPALSKI, J. DRISCOLL, R. FROTHINGHAM, J. M. MUSSER, P. ALCABES, B. N. KREISWIRTH

### Head and Neck Injuries Among Ice Hockey Players Wearing Full Face Shields vs Half Face Shields ..... 2328

B. W. BENSON, N. G. H. MOHTADI, M. S. ROSE, W. H. MEEUWISSE

## CARING FOR THE CRITICALLY ILL PATIENT

### Factors Associated With Use of Cardiopulmonary Resuscitation in Seriously Ill Hospitalized Adults ..... 2333

S. J. GOODLIN, Z. ZHONG, J. LYNN, J. M. TENO, J. P. FAGO, N. DESBIENS, A. F. CONNORS, JR, N. S. WENGER, R. S. PHILLIPS

## REVIEW

### Effect of Statins on Risk of Coronary Disease: A Meta-analysis of Randomized Controlled Trials ..... 2340

J. C. LAROSA, J. HE, S. VUPPUTURI

## CLINICAL CROSSROADS

### A 36-Year-Old Woman With Endometriosis, Pelvic Pain, and Infertility ..... 2347

G. D. ADAMSON

### A 44-Year-Old Woman With Severe Pain at the End of Life, 1 Year Later ..... 2354

R. A. PARKER, E. E. HARTMAN

## EDITORIALS

### Adefovir for the Treatment of HIV Infection: If Not Now, When? ..... 2355

J. W. MELLORS

### Involving Patients in Medical Decisions: How Can Physicians Do Better? ..... 2356

M. J. BARRY

(TABLE OF CONTENTS CONTINUED ON PAGE 2275.) 2273

©1999 American Medical Association. All rights reserved.

# JAMA

## Humanities

**THE COVER** ..... 2279

*Café Singer*

M. T. SOUTHGATE

## POETRY AND MEDICINE

Staghorn ..... 2280

P. TATARUNIS

**JAMA 100 YEARS AGO** ..... 2282 *i*

Maternal Impressions

## Reader Service

**This Week in JAMA** ..... 2277

**Masthead** ..... 2278

**Abstracts** ..... 2286

**Archives Journals Abstracts** .... 2286 *h*

**Correction** ..... 2303

**Obituary Listing** ..... 2371 *a*

## Continuing Medical Education

**JAMA Reader's Choice** ..... 2419

## Classified Advertising

**and Announcements** ..... 2420 *c*

**Index of Advertisers** ..... 2421

## Subscription, Business,

**and Contact Information** ..... 2421

## Reference Directories

Meetings in the United States and International Meetings ..... November 10, 1999

Organizations of Medical Interest and State Medical Associations and Examinations and Licensure ..... July 28, 1999

## JAMA Instructions for Authors

JULY 7, 1999

## JAMA Key and Critical Objectives

NOVEMBER 10, 1999

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.

## CONTEMPO 1999

Current Issues in Managing Sports-Related Concussion ..... 2283

M. W. COLLINS, M. R. LOVELL, D. B. MCKEAG

**POLICY PERSPECTIVES** ..... 2358

The Need for Perspective in Evidence-Based Medicine

S. H. WOOLF

## RESIDENT PHYSICIAN FORUM

GME Funding and Specialty Choice, Part II ..... 2366

E. TUOHY

**BOOKS, JOURNALS, NEW MEDIA** ..... 2367

The Definition of Death: Contemporary Controversies (Youngner et al, eds)

REVIEWED BY K. V. ISESON

Reinventing Medicine: Beyond Mind-Body to a New Era of Healing (Dossey)

REVIEWED BY V. S. SIERPINA

Diva (Campo)

REVIEWED BY J. A. LIVESON

In the Blood: Sickle Cell Anemia and the Politics of Race (Tapper)

REVIEWED BY R. WOLTERS

Books, Journals, New Media Received

**INDEX TO VOLUME 282** ..... 2372

## JAMA PATIENT PAGE

Patient-Physician Communication ..... 2422

## News and Analysis

**MEDICAL NEWS & PERSPECTIVES** ..... 2287

2020 Vision: NIH Heads Foresee the Future

**QUICK UPTAKES** ..... 2291

Globe-trotting Bacteria

Nothing to Crow About

Eating Disorders in the Military

Online AIDS Resource

**MEDICINE IN UNIFORM** ..... 2292

Tagging/Carding Medical Data

On the Eastern Front

**FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION** ..... 2293

Reptile-Associated Salmonellosis—Selected States, 1996-1998

Influenza Activity—United States, 1999-2000 Season

# 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

**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

**International Fellow:** Maria Guadalupe Campos, PhD

**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

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

**Electronic Media:** Marty Suter (director); Brande Martin, Neal Shankman (assistant editors); Marla A. Hall (staff assistant)

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

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

**Editorial Assistants:** Linda Baker, Patricia Joworski, Gale Saulsberry (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 Relling, 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); 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), Bonnie Van Cleven (manager, budgets and costs), 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), 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 Armt, 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 Epplett, Amy Evers, Kathy Gaydar, Carolyn Hall, Maria Kowalkowski, Mary Ann Kuranda, Sandra Lopez, Christopher Meyer, Melanie Parenti, Sarah Powell, 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:** 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-sub@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 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:** Robert A. Musacchio, PhD

AMA OFFICERS AND TRUSTEES

**President:** Thomas R. Reardon, MD\*

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

**Immediate Past President:** Nancy W. Dickey, MD\*

**Secretary-Treasurer:** Yank D. Coble, MD\*

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

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

**Trustees:** Herman I. Abromowitz, MD; Susan Hershberg Adelman, MD; Duane M. Cady, MD; Yank D. Coble, MD\*; Timothy T. Flaherty, MD\* (Vice Chair); J. Edward Hill, MD; Matthew D. Kagan (Student); D. Ted Lewers, MD\* (Chair); 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

\*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

**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, DPhil**  
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  
School of Medicine  
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**  
**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 Livaditou, 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**