

# JAMA

The Journal of the American Medical Association



Thomas Eakins (1844-1916), *Portrait of Dr Albert C. Getchell, 1907*, American.

**September 25, 2002**

**ORIGINAL CONTRIBUTIONS**

Prevalence of Neuropsychiatric Symptoms in Dementia and Mild Cognitive Impairment: Results From the Cardiovascular Health Study ..... 1475  
 C. G. LYKETSOS, O. LOPEZ, B. JONES, A. L. FITZPATRICK, J. BREITNER, S. DEKOSKY

Relationship Between Low Quality-of-Care Scores and HMOs' Subsequent Public Disclosure of Quality-of-Care Scores ..... 1484  
 D. MCCORMICK, D. U. HIMMELSTEIN, S. WOOLHANDLER, S. M. WOLFE, D. H. BOR

Effects of Losartan on Cardiovascular Morbidity and Mortality in Patients With Isolated Systolic Hypertension and Left Ventricular Hypertrophy: A Losartan Intervention For Endpoint Reduction (LIFE) Substudy ..... 1491  
 S. E. KJELDSEN, B. DAHLÖF, R. B. DEVEREUX, S. JULIUS, P. AURUP, J. EDELMAN, G. BEEVERS, U. DE FAIRE, F. FYHRQUIST, H. IBSEN, K. KRISTIANSON, O. LEDERBALLE-PEDERSEN, L. H. LINDHOLM, M. S. NIEMINEN, P. OMVIK, S. OPARIL, S. SNAPINN, H. WEDEL; FOR THE LIFE STUDY GROUP

**CARING FOR THE CRITICALLY ILL PATIENT**

Anemia and Blood Transfusion in Critically Ill Patients ..... 1499  
 J. L. VINCENT, J.-F. BARON, K. REINHART, L. GATTINONI, L. THIJS, A. WEBB, A. MEIER-HELLMANN, G. NOLLET, D. PERES-BOTA; FOR THE ABC INVESTIGATORS

**REVIEW**

Barriers to Health Care Research for Children and Youth With Psychosocial Problems ..... 1508  
 S. M. HORWITZ, K. KELLEHER, T. BOYCE, P. JENSEN, M. MURPHY, E. PERRIN, R. E. K. STEIN, M. WEITZMAN

**EDITORIALS**

Public Performance Reports and the Will for Change ..... 1523  
 D. M. BERWICK

Red Blood Cell Transfusions in Critically Ill Patients ..... 1525  
 P. C. HÉBERT, D. A. FERGUSSON

**CLINICIAN'S CORNER**

**CLINICAL CROSSROADS**

A 46-Year-Old Man With Anxiety and Nightmares After a Motor Vehicle Collision ..... 1513  
 M. B. STEIN

A Woman With an Extremely Premature Infant, 18 Months Later ..... 1522  
 A. N. SHIP, E. E. HARTMAN

**Letters**

Occupational Transmission of Hepatitis C Virus ..... 1469  
 J. JAGGER, V. PURO, G. DE CARLI; A. J. LUNSK; M. S. SULKOWSKY, S. C. RAY, D. L. THOMAS

**Coin Rubbing and Camphor Intoxication**

A. B. SCHNEIR, R. F. CLARK; E. B. BÄCHLI, S. K. RAMPINI, M. SCHNEEMANN

**Research Letter** ..... 1471

Effect of Sleep Deprivation on Response to Immunization  
 K. SPIEGEL, J. F. SHERIDAN, E. VAN CAUTER



EDITOR  
 Catherine D. DeAngelis, MD, MPH

[www.jama.com](http://www.jama.com)

(Reprinted) (TABLE OF CONTENTS CONTINUED ON PAGE 1437.) **1435**

©2002 American Medical Association. All rights reserved.

# JAMA

## Humanities

### THE COVER ..... 1443

*Portrait of Dr Albert C. Getchell*

M. T. SOUTHGATE

### POETRY AND MEDICINE ..... 1444

Speaking Diseases

G. GHAI

### A PIECE OF MY MIND ..... 1445

A Man of His Words

H. M. SEIDEL

### JAMA 100 YEARS AGO ..... 1534

The Unhealthful Long Skirt

A Contortionist and  
His Medical Purchasers

## Reader Service

### This Week in JAMA ..... 1439

### Masthead ..... 1440

### Abstracts ..... 1451

### Archives Journals Abstracts ..... 1454

### CME Announcement ..... 1472

### Physician Marketplace ..... 1535

### Index of Advertisers ..... 1547

### Reference Directories

Meetings, Organizations of Medical Interest and State Medical Associations, and Examinations and Licensure are available at <http://pubs.ama-assn.org/meetings.html>.

### JAMA Instructions for Authors

July 3, 2002

### JAMA Key and Critical Objectives

September 11, 2002

### Contact Information ..... 1547

**Subscriptions:** (800) 262-2350

fax: (312) 464-5831

[ama-subs@ama-assn.org](mailto:ama-subs@ama-assn.org)

**Permissions:** (312) 464-2513

fax: (312) 464-5835

[rhonda\\_bailey@ama-assn.org](mailto:rhonda_bailey@ama-assn.org)

**Editorial Office:** (312) 464-2402

fax: (312) 464-5824

[jamams@ama-assn.org](mailto:jamams@ama-assn.org)

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.

[www.jama.com](http://www.jama.com)

## CONTEMPO UPDATES: LINKING EVIDENCE AND EXPERIENCE

### Mid-Career Burnout in Generalist and Specialist Physicians ..... 1447

A. SPICKARD, JR, S. G. GABBE, J. F. CHRISTENSEN

### BOOKS, JOURNALS, NEW MEDIA ..... 1529

The Evolution of Orthopaedic Surgery (Klenerman, ed)

REVIEWED BY I. M. SIEGEL

An Ear to the Chest: An Illustrated History of the Evolution of the Stethoscope (Blaufox)

REVIEWED BY J. W. HURST

Spirituality in Patient Care (Koenig)

REVIEWED BY G. ROLPH

The Tangled Wing: Biological Constraints on the Human Spirit (Konner)

REVIEWED BY C. W. DON

Books, Journals, New Media Received

## JAMA PATIENT PAGE

### Mental Retardation ..... 1548

## News and Analysis

### MEDICAL NEWS & PERSPECTIVES ..... 1457

Arthritis Puzzle: Two Pieces Snap Into Place

Artistic Response to Genomic Research Shown

Not Enough Food (Instead of Too Much) Is Also a Problem in the United States

Miscellanea Medica

### FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION ..... 1464

West Nile Virus Activity—United States, August 21-28, 2002, and Illinois, January 1–August 27, 2002

West Nile Virus Activity—United States, August 29–September 4, 2002

West Nile Virus Infection in Organ Donor and Transplant Recipients—Georgia and Florida, 2002

Self-Reported Increase in Asthma Severity After the September 11 Attacks on the World Trade Center—Manhattan, New York, 2001

Psychological and Emotional Effects of the September 11 Attacks on the World Trade Center—Connecticut, New Jersey, and New York, 2001

Epidemiology in Action

©2002 American Medical Association. All rights reserved.

(Reprinted) 1437

# JAMA

## EDITORIAL STAFF

### EDITOR

Catherine D. DeAngelis, MD, MPH

**Executive Deputy Editor:** Phil B. Fontanarosa, MD

**Deputy Editors:** Richard M. Glass, MD, Drummond Rennie, MD, Margaret A. Winker, MD

**Senior Contributing Editor:** M. Therese Southgate, MD

**Managing Senior Editor:** Annette Flanagin

**Senior Editors:** Stephen J. Lurie, MD, PhD, Ronna Henry Siegel, MD

**Contributing Editors:** Charles B. Clayman, MD, Helene M. Cole, MD, Thomas B. Cole, MD, MPH, David S. Cooper, MD, Michael S. Lauer, MD, Wendy Levinson, MD, David H. Mark, MD, MPH, Robert A. McNutt, MD, Harriet S. Meyer, MD, Jeanette M. Smith, MD, Janet M. Torpy, MD, Jody W. Zylke, MD

**Consulting Editor:** Deborah J. Cook, MD

**Statistical Editor:** Naomi Vaisrub, PhD

**Associate Editors:** Charlene Breedlove, Roxanne K. Young

**Fishbein Fellow:** Sarah Pressman Lovinger, MD

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

**Assistant Editors:** Jennifer Reiling, Juliana M. Walker

**msJAMA:** Jane van Dis, Stuart P. Weisberg (editors)

**Assistant to the Editor:** Helga Fritz

**Administrative Assistant:** Nadine Siewnarine

**Medical Illustrator:** Cassio Lynn

**Electronic Media:** Michelle Kurzynski (director); Katherine Behar, Erin Giannini (associate Web editors); Marla A. Hall (Web office manager)

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

**Staff Assistant:** Gloria Tate

**Editorial Assistants:** Patricia Joworski (group supervisor); Mary Cannon, Susan Collister, Carmina Conley, Dawn Cortez, Audrey Forman, Shirley Gogins, Glenn Gregg, Lisa Hardin, Mary Ann Lilly, Rachell M. Lozano, Rosa E. Miranda, Lupe Morales, Ethel Pinkston, Kenny Stewart

**Editorial Processing Division:** Cheryl Iverson (director); Paul Frank, Monica Mungle (editorial systems managers); J. D. Neff (associate editorial systems developer)

**Copyediting:** Stacy L. Christiansen (director); Joy K. Jaeger (abstracts editor); Coleen Adamson, Susan R. Benner, Beverly Stewart (senior copy editors); Phil Sefton, Heather A. Shebel, Cara Wallace

**JAMA/Archives Media Relations:** Jann Ingmire (director); Jim Michalski, Sharon Parmet

## PUBLISHING AND BUSINESS STAFF

**Group Publisher:** Nawin Gupta, PhD

**Publishing Operations Division:**

**Division Director:** Vanessa Hayden

**Directors:** Karen Adams-Taylor, Paul Gasielki

**Managers:** David Antos, Debbie Camp, Karl Elvin, Betty Frigerio, Mary Ellen Johnston, Mark Matura, Susan Price, Charl Richey, Carmela Ware

**Production Associates and Specialists:**

**Advertising and Production Services:** LaWanda Brown, Susan Chiara, Mary Anne Donley, Euwanaha Joiner-Smith, Brian McCartney, Noemi Olmo, Sarah Powell, Denise Steinhauser, Ellen Yoshihara

**Composition:** Rebecca Aiken, Brenda Chandler-Grayer, Amy Evers, Fred Furtner, Mary Ann Kuranda, Sandra Lopez

**Database & New Media:** Bruce McGregor (indexer), Clifford O. Barrett, Gail Barrett, Regina Brownlee, Rowena F. Dagang, John Marcinek, La'son Diggs Sledge, Angela Smits

**Distribution:** Linda Alexander

**Graphics:** Joe Amft, Carolyn Hall, Maria Kowalkowski, Chris Meyer, JoAnne Weiskopf

**Proofreading:** Carol Joy Farrell, Daniel James, Teresa H. Omiotek, Mary Kay Tinerella, Barbara Wojtowicz, Agnes A. Zarkadas

**Director, Circulation and Classified Advertising:** Curt Reilly

**Circulation Processing:** Alfred Tomaselli (manager)

**Circulation Development:** Vida Damijonaitis, Michael McGraw (managers)

**Classified Advertising:** Thalia Moss (manager) (800) 262-2260; 515 N State St, Chicago, IL 60610

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

**Licensing and Permissions:** Norman Frankel, PhD (director); Rhonda Bailey (permissions); fax: (312) 464-5835

**National Sales Director:** Peter J. Murphy

**Advertising Sales Staff:** Stuart H. Williams (director)

**Eastern:** Susan J. Carollo, Nancy E. Souza (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

**Marketing Services Manager:** Kathleen Hiltz

**Publishing Manager:** Geoffrey A. Flick

## AMA EXECUTIVES AND TRUSTEES

**Executive Vice President, Chief Executive Officer:**

Michael D. Maves, MD, MBA

**Senior Vice President, Publishing and Business Services:**

Robert A. Musacchio, PhD

**President:** Yank D. Coble, Jr, MD

**President-Elect:** Donald J. Palmisano, MD, JD

**Immediate Past President:** Richard F. Corlin, MD

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

**Vice-Speaker, House of Delegates:** Nancy H. Nielsen, MD, PhD

**Trustees:** J. Edward Hill, MD (chair); William G. Pleased, III, MD (chair-elect); Herman I. Abramowitz, MD; John H. Armstrong, MD (young physician); Duane M. Cady, MD; Peter W. Carmel, MD; Ronald M. Davis, MD; Timothy T. Flaherty, MD; Joseph M. Heyman, MD; Robert R. McMillan, MD (public board member); John C. Nelson, MD; Joseph A. Riggs, MD; J. James Rohack, MD; David A. Rosman (student); Peter Y. Watson, MD (resident); Cecil B. Wilson, MD

## 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

**Robert J. Blendon, ScD**  
Harvard University  
Boston, Mass

**Marjorie A. Bowman, MD, MPA**  
University of Pennsylvania  
Health System  
Philadelphia, Pa

**Cyril Chantler, MD, FRCP**  
London, United Kingdom

**Joseph T. Coyle, MD**  
Harvard Medical School  
Boston, Mass

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

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

**Ronald G. Evens, MD**  
Barnes-Jewish Hospital  
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

**Mary-Claire King, PhD**  
University of Washington  
Seattle, Wash

**Wayne F. Larrabee, Jr, MD**  
University of Washington  
Seattle, Wash

**Joseph K. Lim, MD**  
Yale University School of Medicine  
New Haven, Conn

**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, DPhil**  
University of Toronto  
Toronto, Ontario, Canada

**Claude H. Organ, Jr, MD**  
University of California—San Francisco,  
East Bay  
Oakland, Calif

**June E. Osborn, MD**  
Josiah Macy, Jr Foundation  
New York, NY

**Edmund D. Pellegrino, MD**  
Georgetown University  
Washington, DC

**Uwe E. Reinhardt, PhD**  
Princeton University, Princeton, NJ

**Povl Riis, MD, DSCI, DHC**  
Professor of Medicine  
Copenhagen, Denmark

**Frederick P. Rivara, MD, MPH**  
University of Washington  
Seattle, Wash

**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

**Masaaki Terada, MD**  
National Cancer Center  
Tokyo, Japan

## INTERNATIONAL ADVISORY COMMITTEE

**Bassel Atallah, MD, JAMA—Middle East**

**Mauro Bologna, MD, JAMA—Italy**

**Csaba Farsang, MD, DSc, JAMA—Hungary**

**Igor Francetic, MD, PhD, JAMA—Croatia**

**Evarist Feliu Frasnado, MD, JAMA—Spain**

**Zbigniew A. Gaciong, MD, PhD, JAMA—Poland**

**Carla Gikovate, MD, MSc, JAMA—Brazil**

**Hirosama Ishii, MD, JAMA—Japan**

**Evin Kantemir, MD, JAMA—Turkey**

**A. J. Khan, SI, FRCP, JAMA—Pakistan**

**Li Chengyi, MD, JAMA—China**

**Guillermo RuizVelasco y A, MD, JAMA—Mexico**

**Ivan Vidmar, MD, JAMA—Slovenia**

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