

JAMA

The Journal of the American Medical Association



Edouard Vuillard (1868-1940), *Still Life, Hydrangeas*, 1905, French.

Letters

Cigarette Smoking and Anxiety Disorders 732

D. W. MACCORQUODALE, Y. BEERACHEE, E. J. COULSON, N. L. KAY, I. G. MCKINNON, L. SARKAR, J. G. JOHNSON, P. COHEN, D. F. KLEIN, S. KASEN, D. S. PINE, J. S. BROOK

Diagnosis and Reporting of Creutzfeldt-Jakob Disease

T. S. SINGELTARY, SR; D. E. KRAEMER; R. V. GIBBONS, R. C. HOLMAN, E. D. BELAY, L. B. SCHONBERGER

Assessing Requests for Euthanasia From Terminally Ill Patients

F. POCHARD, E. AZOULAY, M. GRASSIN; E. J. EMANUEL, L. L. EMANUEL

Overuse of Administrative Data to Measure Underuse of Care

J. HSU, A. GO, J. SELBY; L. POGACH; S. H. WOOLF, S. F. ROTHMICH; S. M. ASCH, E. M. SLOSS, R. H. BROOK, R. L. KRAVITZ

Research Letters 737

Imaging Studies of Parents of Fetuses With Sonographic Anomalies of Uncertain Prognosis

M. BRONSHTEIN, E. Z. ZIMMER, S. BLAZER

Effect of Humor on Allergen-Induced Wheal Reactions

H. KIMATA

117 Years of CONTINUOUS PUBLICATION

EDITOR
Catherine D. DeAngelis, MD, MPH

www.jama.com

February 14, 2001

ORIGINAL CONTRIBUTIONS

Incidence of Dementia and Alzheimer Disease in 2 Communities: Yoruba Residing in Ibadan, Nigeria, and African Americans Residing in Indianapolis, Indiana 739

H. C. HENDRIE, A. OGUNNIYI, K. S. HALL, O. BAIYEWU, F. W. UNVERZAGT, O. GUREJE, S. GAO, R. M. EVANS, A. O. OGUNSEYINDE, A. O. ADEYINKA, B. MUSICK, S. L. HUI

Effectiveness of Oseltamivir in Preventing Influenza in Household Contacts: A Randomized Controlled Trial 748

R. WELLIVER, A. S. MONTO, O. CAREWICZ, E. SCHATTEMAN, M. HASSMAN, J. HEDRICK, H. C. JACKSON, L. HUSON, P. WARD, J. S. OXFORD; FOR THE OSELTAMIVIR POST EXPOSURE PROPHYLAXIS INVESTIGATOR GROUP

Survival and Reproduction Among Males With Birth Defects and Risk of Recurrence in Their Children 755

R. T. LIE, A. J. WILCOX, R. SKJAERVEN

PRELIMINARY COMMUNICATION

Diagnostic Accuracy of a Bedside D-dimer Assay and Alveolar Dead-Space Measurement for Rapid Exclusion of Pulmonary Embolism: A Multicenter Study 761

J. A. KLINE, E. G. ISRAEL, E. A. MICHELSON, B. J. O'NEIL, M. C. PLEWA, D. C. PORTELLI

REVIEW

Intake of Fruits and Vegetables and Risk of Breast Cancer: A Pooled Analysis of Cohort Studies 769

S. A. SMITH-WARNER, D. SPIEGELMAN, S.-S. YAUN, H.-O. ADAMI, W. L. BEESON, P. A. VAN DEN BRANDT, A. R. FOLSOM, G. E. FRASER, J. L. FREUDENHEIM, R. A. GOLDBOHN, S. GRAHAM, A. B. MILLER, J. D. POTTER, T. E. ROHAN, F. E. SPEIZER, P. TONIOLO, W. C. WILLETT, A. WOLK, A. ZELENIUCH-JACQUOTTE, D. J. HUNTER

SPECIAL COMMUNICATION

Virologic and Regimen Termination Surrogate End Points in AIDS Clinical Trials 777

P. B. GILBERT, V. DEGRUTTOLA, S. M. HAMMER, D. R. KURITZKES

CONSENSUS CONFERENCE

Osteoporosis Prevention, Diagnosis, and Therapy 785

NIH CONSENSUS DEVELOPMENT PANEL ON OSTEOPOROSIS PREVENTION, DIAGNOSIS, AND THERAPY

EDITORIALS

Intercontinental Epidemiology of Alzheimer Disease: A Global Approach to Bad Gene Hunting 796

L. A. FARRER

Does an Apple a Day Keep Breast Cancer Away? 799

M. L. SLATTERY

(Reprinted) (TABLE OF CONTENTS CONTINUED ON PAGE 693.) 691

©2001 American Medical Association. All rights reserved.

JAMA

Humanities

THE COVER 699

Still Life, Hydrangeas

M. T. SOUTHGATE

JAMA 100 YEARS AGO 700

Marriage Legislation

California's Plague Legislation

POETRY AND MEDICINE 702

Intensive Care

A. ROSS

A PIECE OF MY MIND 703

Tactile

L. G. COHEN

Reader Service

This Week in JAMA 695

Masthead 696

Abstracts 713

Archives Journals Abstracts 716

The Key and Critical Objectives of JAMA 718

Obituary Listing 816

Continuing Medical Education JAMA Reader's Choice 819

Classified Advertising and Announcements 822

Index of Advertisers 835

Subscription, Business, and Contact Information 835

Reference Directories

Meetings in the United States and International Meetings January 10, 2001

Organizations of Medical Interest and State Medical Associations and Examinations and Licensure July 26, 2000

JAMA Instructions for Authors

JANUARY 3, 2001

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

CONTEMPO UPDATES: LINKING EVIDENCE AND EXPERIENCE

Understanding the Timing of HIV Transmission From Mother to Infant 709

A. P. KOURTIS, M. BULTERYS, S. R. NESHEIM, F. K. LEE

msJAMA 803

The Internet: Ushering in a New Era of Medicine

The Internet and Medicine: Building a Community for Patients With Rare Diseases

The National Library of Medicine's Web Site for Physicians and Patients

Access vs Quality Assurance: The e-Health Conundrum

Cybermedical Skills for the Internet Age

Medical Education and the Internet: This Changes Everything

BOOKS, JOURNALS, NEW MEDIA 811

Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition, Text Revision: DSM-IV-TR (American Psychiatric Association)

REVIEWED BY C. C. BELL

Quick Reference to the Diagnostic Criteria from DSM-IV-TR (American Psychiatric Association)

REVIEWED BY C. C. BELL

Save Lives, Save Limbs: Life Support for Victims of Mines, Wars, and Accidents (Husum et al)

REVIEWED BY J. C. COBEY

Saving the Soul of Medicine (Mahony)

REVIEWED BY R. T. BURKMAN

Of Two Minds: The Growing Disorder in American Psychiatry (Luhmann)

REVIEWED BY S. S. SHARFSTEIN

Books, Journals, New Media Received

JAMA PATIENT PAGE

Pulmonary Embolism 836

News and Analysis

MEDICAL NEWS & PERSPECTIVES 721

Experts Wrestle With Social, Ethical Implications of Human Genome Research

Tearing Down the Tower of Babel: Medical Translation in Today's World

FROM THE FOOD AND DRUG ADMINISTRATION 724

New Treatment for Eczema

New Anticoagulant Approved

First Drug for Cervical Dystonia

THE WORLD IN MEDICINE 725

New Insulin Regulation Finding

Fruit Extract for PMS

Biowarfare Warning

British Hospitals Attack CJD Risk

FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION 726

Influenza Activity—United States, 2000-01 Season

Serosurveys for West Nile Virus Infection—New York and Connecticut Counties, 2000

Update: Outbreak of Acute Febrile Illness Among Athletes Participating in Eco-Challenge-Sabah 2000—Borneo, Malaysia, 2000

Availability and Use of Parenteral Quinidine Gluconate for Severe or Complicated Malaria

©2001 American Medical Association. All rights reserved.

(Reprinted) 693

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 Flanagan

Senior Editor: Stephen J. Lurie, MD, PhD

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, 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: Alice T. D. Hughes, 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: Alison J. Huang, MPhil, Stefan C. Weiss, MHS (coeditors)

Assistant to the Editor: Helga Fritz

Administrative Assistant: Nadine Siewnarine

Editorial Graphics: Ronna Henry Siegel, MD (director); Cassio Lynm (medical illustrator)

Electronic Media: Michelle Kurzynski (director); Keith Huff (Web development editor); Nikhil Torsekar (assistant editor); Erin Giannini (Web copy editor); Marla A. Hall (Web office manager); Gemma Wall (editorial assistant)

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

Editorial Assistants: Patricia Joworski, Gloria Tate (group supervisors); Mary Cannon, Susan Collister, Dawn Cortez, Audrey Forman, Shirley Gogins, Charisse Green, Gwenn Gregg, Lisa Hardin, Carmina Landeros, Mary Ann Lilly, Rosa E. Miranda, Lupe Morales, Ethel Pinkston, Cara Savage

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, Jennifer L. Reddy, Phil Sefton, Beverly Stewart

PUBLISHING AND BUSINESS STAFF

Vice President, Publishing: Robert L. Kennett

Publisher: Peter J. Murphy

Production and Distribution Division:

Directors: Karen Adams-Taylor, Paul Gasecki, Vanessa Hayden

Managers: David Antos, Karen Branham, Debbie Camp, Diane Darnell, Karl Elvin, Betty Frigerio, Terri Hanley, Mary Ellen Johnston, Carole Piszker, Susan Price, Charl Richey, Carmela Ware

Production Assistants: Kristy Kambanis, Ruth Sprague

Production Associates and Specialists:

Advertising and Production Services: LaWanda Brown, Susan Chiara, Mary Anne Donley, Sarah Powell, Denise Steinhauser, Jo Anne Turner, 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, La'son Diggs Sledge, Angela Smits

Distribution: Linda Alexander, Michelle Robinson

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

Proofreading: Daniel James, Teresa H. Ormotek, Mary Kay Tinerella, Barbara Wojtowicz, Agnes A. Zarkadas

Circulation Processing: Robert Herling (director);

Susan Stoken, Alfred Tomaselli (managers);

Reginald Jordan, Kathryn Osten (specialists)

Circulation Development: Bina Oza (director);

Vida Damijonaitis, Donna Goldman, Michael McGraw (managers); Sandra Garzon (specialist)

Licensing and Permissions: Norman Frankel (director);

Rhonda Bailey (permissions); fax: (312) 464-5835

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 (director);

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

Senior Vice President, Publishing and Business Services:

Robert A. Musacchio, PhD

President: Randolph D. Smoak, Jr, MD

President-Elect: Richard F. Corlin, MD

Immediate Past President: Thomas R. Reardon, MD

Speaker, House of Delegates: John A. Knote, MD

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

Trustees: D. Ted Lewers, MD (chair); Timothy T. Flaherty,

MD (chair-elect); Yank D. Coble, Jr, MD (secretary-treasurer);

Herman I. Abramowitz, MD; Susan Hersberg Adelman, MD;

Duane M. Cady, MD; J. Edward Hill, MD; William H.

Mahood, MD; Sandeep "Sunny" Mistry (student); John C.

Nelson, MD; Donald J. Palmisano, MD; William G. Plested,

MD; Liana Puskas, 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 DeBakey, PhD

Baylor College of Medicine

Houston, Tex

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-Davis, East Bay

Oakland, Calif

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

Evarist Feliu Frasnado, MD, JAMA—Spain

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

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

Li Chengyi, MD, JAMA—China

Victor Hugo Olmedo Canchola, MD, JAMA—Mexico

Ivan Vidmar, MD, JAMA—Slovenia

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

Alexei Yurenev, MD, JAMA—Russia