

JAMA

The Journal of the American Medical Association



Théodore Géricault (1791-1824), *Portrait of a Negro*, c 1822-1823, French.

Letters

Risk Factors for Violent Death in Children 983

S. D. BARGER; C. W. SCHWAB, T. S. RICHMOND, R. A. CHENEY, J. WEINER, M. DUNFEY; M. ANDERSON, T. SIMON, R. HAMMOND, J. KAUFMAN

Evaluation of Inhalational Anthrax

R. S. PORTER; K. B. NOLTE; L. L. BORIO

Usefulness of Positron Emission Tomography in Evaluating Dementia

O. T. RUTSCHMANN, D. B. MATCHAR; D. SEIDENWURM; D. H. S. SILVERMAN, G. W. SMALL

Patient Safety in Trials of Therapy for Acute Ischemic Stroke

L. B. GOLDSTEIN, G. W. ALBERS; K. J. BECKER, D. L. TIRSCHWELL

Therapy for Cocaine Addiction

A. GOLDBERG

Poverty and Responsibility for Health Care

J. L. KNOLL III; R. L. FERRER

118 Years of
CONTINUOUS
PUBLICATION

EDITOR
Catherine D. DeAngelis, MD, MPH

February 27, 2002

ORIGINAL CONTRIBUTIONS

Evaluation of Investigations Conducted to Detect and Prevent Transmission of Tuberculosis 991

M. R. REICHLER, R. REVES, S. BUR, V. THOMPSON, B. T. MANGURA, J. FORD, S. E. VALWAY, I. M. ONORATO; FOR THE CONTACT INVESTIGATION STUDY GROUP

Predictive Model to Identify Positive Tuberculosis Skin Test Results During Contact Investigations 996

W. C. BAILEY, L. B. GERALD, M. E. KIMERLING, D. REDDEN, N. BROOK, F. BRUCE, S. TANG, S. DUNCAN, C. M. BROOKS, N. E. DUNLAP

Residual Lifetime Risk for Developing Hypertension in Middle-aged Women and Men: The Framingham Heart Study 1003

R. S. VASAN, A. BEISER, S. SESHADRI, M. G. LARSON, W. B. KANNEL, R. B. D'AGOSTINO, D. LEVY

Effectiveness of Safety Measures Recommended for Prevention of Workplace Homicide 1011

D. LOOMIS, S. W. MARSHALL, S. H. WOLF, C. W. RUNYAN, J. D. BUTTS

PRELIMINARY COMMUNICATION

Preimplantation Diagnosis for Early-Onset Alzheimer Disease Caused by V717L Mutation 1018

Y. VERLINSKY, S. RECHITSKY, O. VERLINSKY, C. MASCIANGELO, K. LEDERER, A. KULIEV

REVIEW

Home Visits to Prevent Nursing Home Admission and Functional Decline in Elderly People: Systematic Review and Meta-regression Analysis 1022

A. E. STUCK, M. EGGER, A. HAMMER, C. E. MINDER, J. C. BECK

COMMENTARY

Ethics of Preimplantation Diagnosis for a Woman Destined to Develop Early-Onset Alzheimer Disease 1038

D. TOWNER, R. S. LOEWY

EDITORIAL

Contact Investigations and the Continued Commitment to Control Tuberculosis 1040

J. C. MOHLE-BOETANI, J. FLOOD

CLINICIAN'S CORNER

CLINICAL CROSSROADS

A 44-Year-Old Woman With Borderline Personality Disorder 1029

J. M. OLDFHAM

A 45-Year-Old Woman With Obsessive-Compulsive Disorder, 1 Year Later 1037

R. A. PARKER, E. E. HARTMAN

JAMA

Humanities

THE COVER 951

Portrait of a Negro

M. T. SOUTHGATE

POETRY AND MEDICINE 953

Dr. Lonelyhearts

B. A. ST. ANDREWS

JAMA 100 YEARS AGO 954

The Identification of Criminals
Through the Fundus of the Eye

Radiotherapy of Lupus

Reader Service

This Week in JAMA 947

Masthead 948

Abstracts 958

Archives Journals Abstracts 965

Corrections 989

Continuing Medical Education 1055

Classified Advertising and Announcements 1058

Index of Advertisers 1069

Reference Directories

Meetings in the United States and
International Meetings February 6, 2002

Organizations of Medical Interest
and State Medical Associations and
Examinations and Licensure July 25, 2001

JAMA Instructions for Authors

January 2, 2002

Contact Information 1069

Subscriptions: (800) 262-2350

fax: (312) 464-5831

ama-subs@ama-assn.org

Permissions: (312) 464-2513

fax: (312) 464-5835

rhonda_bailey@ama-assn.org

Editorial Office: (312) 464-2402

fax: (312) 464-5824

jamams@ama-assn.org

CONTEMPO UPDATES: LINKING EVIDENCE AND EXPERIENCE

Sleep Deprivation and Clinical Performance 955

M. B. WEINGER, S. ANCOLI-ISRAEL

LETTER FROM TBILISI

The Burden of Out-of-Pocket Payments for Health Care
in Tbilisi, Republic of Georgia 1043

J. SKARBINSKI, H. K. WALKER, L. C. BAKER, A. KOBALADZE, Z. KIRTAVA, T. A. RAFFIN

BOOKS, JOURNALS, NEW MEDIA 1050

Peer Harassment in School: The Plight of the Vulnerable
and Victimized (Juvonen, Graham, eds)

REVIEWED BY K. KUMPULAINEN

Physical Medicine and Rehabilitation (Braddom et al, eds)

REVIEWED BY M. A. YOUNG

A History of Blood Coagulation (Owen, Jr; Nichols, Bowie, eds)

REVIEWED BY H. C. KWAAN

From Detached Concern to Empathy: Humanizing Medical Practice (Halpern)

REVIEWED BY S. K. HULL

Brain's Diseases of the Nervous System (Donaghy, ed)

REVIEWED BY M. J. AMINOFF

Books, Journals, New Media Received

JAMA PATIENT PAGE

Hypertension 1070

News and Analysis

MEDICAL NEWS & PERSPECTIVES 969

Study Concludes That Moderate PSA Levels
Are Unrelated to Prostate Cancer Outcomes

Guidelines Offer "Roadmap" for Chronic Kidney Disease

QUICK UPTAKES 974

Heart Risk in Nonheart Surgery

Strong Infant Immune System

Dangerous Amusement Rides?

Travelers' Aids

FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION 977

Pertussis—United States, 1997-2000

Progress Toward Elimination of Perinatal HIV Infection—Michigan, 1993-2000

Hypothermia-Related Deaths—Utah, 2000, and United States, 1979-1998

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 au-
thor is affiliated, unless this is clearly specified.

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, Carrin M. Olson, MD, Jeanette M. Smith, 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: Janet M. Torpy, 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: Stuart P. Weisberg (editor)

Assistant to the Editor: Helga Fritz

Administrative Assistant: Nadine Siewnarine

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

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, Dawn Cortez, Audrey Forman, Shirley Gogins, Gwenn Gregg, Lisa Hardin, Carmina Landeros, Mary Ann Lilly, Rachell M. Lozano, Rosa E. Miranda, Lupe Morales, Ethel Pinkston, Kenny Stewart

Editorial Processing Division: Cheryl Iverson (director); Paul Frank, Monica Mungie (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

PUBLISHING AND BUSINESS STAFF

Vice President, Publishing: Nawin Gupta, PhD

Production and Distribution Division:

Directors: Karen Adams-Taylor, Paul Gasielki, 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 Assistant: Kristy Kambanis

Production Associates and Specialists:

Advertising and Production Services: LaWanda Brown, Susan Chiara, Mary Anne Donley, Brian McCartney, Sarah Powell, Denise Steinhilber, 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, Michelle Robinson

Graphics: Joe Amft, Noel Chaparro, 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

Circulation Processing: Karen Howes (director); Alfred Tomaselli (manager); Reginald Jordan, Kathryn Osten (specialists); Julie Burton (assistant application administrator)

Circulation Development: Bina Oza Trivedi (director); Vida Damijonaitis, Donna Goldman, Michael McGraw (managers); Sandra Garzon (specialist)

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

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

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

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: Michael D. Maves, MD, MBA

Senior Vice President, Publishing and Business Services: Robert A. Musacchio, PhD

President: Richard F. Corlin, MD

President-Elect: Yank D. Coble, Jr, MD

Immediate Past President: Randolph D. Smoak, Jr, MD

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

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

Trustees: Timothy T. Flaherty, MD (chair); J. Edward Hill, MD (chair-elect); Donald J. Palmisano, MD (secretary-treasurer); Herman I. Abromowitz, MD; Susan Hershberg Adelman, MD; Duane M. Cady, MD; Ronald M. Davis, MD; Hillary Johnson (student); D. Ted Lewers, MD; John C. Nelson, MD; William G. Plested III, MD; J. James Rohack, MD; Joseph A. Riggs, MD; Bruce A. Scott, MD (young physician); Peter Y. Watson, MD (resident)

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

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

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

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

Igor Francetic, MD, PhD, JAMA—Croatia

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