

JAMA

The Journal of the American Medical Association



A Cover Without Art.

July 10, 2002

ORIGINAL CONTRIBUTIONS

Dual vs Single Protease Inhibitor Therapy Following Antiretroviral Treatment Failure: A Randomized Trial 169

S. M. HAMMER, F. VAIDA, K. K. BENNETT, ET AL;
FOR THE AIDS CLINICAL TRIALS GROUP 398 STUDY TEAM

Time Trends in Primary HIV-1 Drug Resistance Among Recently Infected Persons 181

R. M. GRANT, F. M. HECHT, M. WARMERDAM, ET AL

Two-Dose Intrapartum/Newborn Nevirapine and Standard Antiretroviral Therapy to Reduce Perinatal HIV Transmission: A Randomized Trial 189

A. DORENBAUM, C. K. CUNNINGHAM, R. D. GELBER, ET AL;
FOR THE INTERNATIONAL PACTG 316 TEAM

Hepatitis C and Progression of HIV Disease 199

M. S. SULKOWSKI, R. D. MOORE, S. H. MEHTA, ET AL

PRELIMINARY COMMUNICATION

Abacavir Substitution for Nucleoside Analogs in Patients With HIV Lipatrophy: A Randomized Trial 207

A. CARR, C. WORKMAN, D. E. SMITH, ET AL;
FOR THE MITOCHONDRIAL TOXICITY (MITOX) STUDY GROUP

TOWARD OPTIMAL LABORATORY USE

Real-time, Universal Screening for Acute HIV Infection in a Routine HIV Counseling and Testing Population 216

C. D. PILCHER, J. T. MCPHERSON, P. A. LEONE, ET AL

COMMENTARY

An Unequal Epidemic in an Unequal World 236

K. M. DE COCK, R. S. JANSSEN

EDITORIALS

Emerging Resistance to Nonnucleoside Reverse Transcriptase Inhibitors: A Warning and a Challenge 239

J. D. TRACHTENBERG, M. A. SANDE

Does Hepatitis C Virus Infection Increase the Risk of HIV Disease Progression? 241

S. J. ROSSI, P. A. VOLBERDING, T. L. WRIGHT

CLINICIAN'S CORNER

CONSENSUS STATEMENT

Antiretroviral Treatment for Adult HIV Infection in 2002: Updated Recommendations of the International AIDS Society-USA Panel 222

P. G. YENI, S. M. HAMMER, C. C. J. CARPENTER, ET AL

Letters

Dignity-Conserving Care at the End of Life 162

F. GIRSH; H. M. CHOCHINOV

Research Letters 162

Loss of HIV-1-Specific Immunity During Treatment Interruption in 2 Chronically Infected Patients

J. N. BLANKSON, J. E. GALLANT, T. C. QUINN, J. G. BARTLETT, R. F. SILICIANO

HIV Seroprevalence of Adult Males Incarcerated for a Sexual Offense in Rhode Island, 1994-1999

J. D. RICH, G. MACALINO, R. C. MERCHANT, C. SALAS, P. MARCUSSEN, M. GRUNDY, A. SPAULDING

Safety and Tolerability of Intermittent Rifampin/Pyrazinamide for the Treatment of Latent Tuberculosis Infection in Prisoners

R. E. CHAISSON, J. ARMSTRONG, J. STAFFORD, J. GOLUB, S. BUR

Policies for Exposure to Bloodborne Pathogens Among US-Based International Voluntary Medical Organizations

A. EDLER, M. A. OLSEN, M. C. E. MBWILLE

118 Years of CONTINUOUS PUBLICATION

EDITOR
Catherine D. DeAngelis, MD, MPH

www.jama.com

(Reprinted) (TABLE OF CONTENTS CONTINUED ON PAGE 135.) 133

©2002 American Medical Association. All rights reserved.

JAMA

Humanities

THE COVER

A Cover Without Art

Readers are referred to the July 12, 2000, issue (JAMA. 2000;284:149); the July 1, 1998, issue (JAMA. 1998;280:5); and the July 10, 1996, issue (JAMA. 1996;276:84).

POETRY AND MEDICINE 141

Diagnosis of Exclusion

K. J. WHITE

A PIECE OF MY MIND 142

Waiting

L. FURMANSKI

JAMA 100 YEARS AGO 143

Observations on Plague

The Plague Pandemic

Reader Service

This Week in JAMA 137

Masthead 138

Abstracts 144

Archives Journals Abstracts 147

CME Announcement 166

Classified Advertising and Announcements 256

Index of Advertisers 267

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

Contact Information 267
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

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

LETTER FROM THAILAND 245

Preventing Mother-to-Child HIV Transmission: The First Year of Thailand's National Program

P. AMORNWICHET, A. TEERARATKUL, R. J. SIMONDS, ET AL

BOOKS, JOURNALS, NEW MEDIA 250

Clinical Immunology: Principles and Practice, vols 1 & 2 (Rich et al, eds)

REVIEWED BY J. T. LI

Samter's Immunologic Diseases, vols 1 & 2 (Austen et al, eds)

REVIEWED BY J. T. LI

Paul Ehrlich's Receptor Immunology: The Magnificent Obsession (Silverstein)

REVIEWED BY D. KRITCHEVSKY

Dubois' Lupus Erythematosus (Wallace, Hahn, eds)

REVIEWED BY G. E. EHRlich

Thinks . . . (Lodge)

REVIEWED BY A. M. CLARFIELD

HIV Medicine (Gazzard, ed)

REVIEWED BY C. B. HICKS, E. D. ALBRIGHT

JAMA PATIENT PAGE

HIV Infection: The Basics 268

News and Analysis

MEDICAL NEWS & PERSPECTIVES 151

Cheaper HIV Drugs for Poor Nations Bring a New Challenge: Monitoring Treatment

MTCT-Plus Program Has Two Goals: End Maternal HIV Transmission + Treat Mothers

THE WORLD IN MEDICINE 155

AIDS Knowledge Gap

Melanoma Susceptibility Gene

HIV Prevention Apathy?

Reducing Pregnancy Risk

FROM THE WORLD HEALTH ORGANIZATION 156

Health: A Pathway to Sustainable Development

FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION 157

Disseminated Infection With *Simiae-Avium* Group Mycobacteria in Persons With AIDS—Thailand and Malawi, 1997

West Nile Virus Activity—United States, 2001

©2002 American Medical Association. All rights reserved.

(Reprinted) 135

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 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, 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 P. 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

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 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 Gaseiecki

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

Production Associates and Specialists:

Advertising and Production Services: LaWanda Brown, Susan Chiara, Mary Anne Donley, Brian McCartney, Sarah Powell, Denise Steinhauer, 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, Donna Goldman, 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: 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 Hershsberg 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

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—Davis, 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

Victor Hugo Olmedo Canchola, MD, JAMA—Mexico

Ivan Vidmar, MD, JAMA—Slovenia

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