

The ARCHIVES OF INTERNAL MEDICINE is a member of the consortium of AMA journals listed below. The complete text of all AMA journals is available online directly from AMA as well as the following aggregators: Dialog Information Services, Proquest, Ovid Technologies, Inc, Gale Research, and EBSCO.

The Journal of the American Medical Association (JAMA)

- Archives of Dermatology
- Archives of Facial Plastic Surgery
- Archives of General Psychiatry
- Archives of Internal Medicine
- Archives of Neurology
- Archives of Ophthalmology
- Archives of Otolaryngology—Head & Neck Surgery
- Archives of Pediatrics & Adolescent Medicine
- Archives of Surgery

The ARCHIVES OF INTERNAL MEDICINE (ISSN 0003-9926) is published twice a month, except for combined issues in August and December, by the American Medical Association, 515 N State St, Chicago, IL 60610-0946, and is an official publication of the Association. The ARCHIVES OF INTERNAL MEDICINE reaches more than 98 400 readers in over 82 countries each month. Periodicals postage paid at Chicago, IL, and at additional mailing offices. GST registration number 12622 5556 RT. Canada Post International Publications Mail (Canadian Distribution) Sales Agreement No. 318655. Printed in the USA.

SUBSCRIPTION RATES—

	Individual Print	Individual Print & Online	Individual Online Only
US	\$175	\$185	\$140
Americas	\$225	\$235	\$180
Rest of World	£155	£165	£125
	Institution Print	Institution Print & Online	Institution Online Only
US	\$325	\$340	\$260
Americas	\$425	\$445	\$340
Rest of World	£275	£290	£220

Rates for residents and medical students available.

CHANGE OF ADDRESS—POSTMASTER, send all address changes to ARCHIVES OF INTERNAL MEDICINE, c/o Subscriber Services, American Medical Association, 515 N State St, Chicago, IL 60610. Please notify us of address change at least 6 weeks in advance to ensure uninterrupted service. Include both old and new addresses, a recent mailing label, and new ZIP code. For mailing addresses outside the United States and the Americas, see below.

SUBSCRIPTION INFORMATION—Subscription inquiries for mailing addresses in the US and the Americas: For fastest service, direct inquiries regarding missing issues, address changes, subscription billing, subscription renewal or back issue purchases as shown below: **AMA members:** Phone: 800-262-3211 between 8:30 AM-4:45 PM CST, Fax: 800-262-3221; E-mail: msc@ama-assn.org. **Other physicians and non-physician customers:** Phone: 800-262-2350 or 312-670-7827 (same hours as above); Fax: 312-464-5831; E-mail: ama-subs@ama-assn.org. Mail inquiries should be directed to the Unified Service Center, American Medical Association, PO Box 10946 Chicago, IL 60610-0946. For mailing addresses outside the US and the Americas: Contact JAMA and Archives Journals, American Medical Association, Tower House, Sovereign Park, Market Harborough, Leicestershire LE15 9EF, UK. Phone: +44 (0) 1858-438880. Fax: +44 (0) 1858-434958. E-mail: ama@subscription.co.uk.

REPRINTS—Authors place their reprint order at the time the edited typescript is reviewed and should allow 4 to 6 weeks for delivery following publication. Requests for individual reprints should be sent directly to the author at the address shown in the article.

For bulk reprint orders for distribution by commercial organizations, please contact Wanda Bartolotta, 2441 84th St, Brooklyn, NY 11214. Phone: (718) 946-7424. Fax: (718) 946-7372. E-mail: wanda_bartolotta@ama-assn.org. For reprint orders in limited quantities for distribution by educational organizations and for author reprints, please contact Reprints Coordinator, 515 N State St, Chicago, IL 60610. Phone: (312) 464-4594. Fax: (312) 464-4849.

PERMISSIONS—Contact Rhonda Bailey, Permissions Assistant, 515 N State St, Chicago, IL 60610. Phone: (312) 464-2513.

ADVERTISING PRINCIPLES—Each advertisement in this issue has been reviewed and complies with the principles governing advertising in AMA scientific publications. A copy of these principles is available on request. The appearance of advertising in AMA publications is not an AMA guarantee or endorsement of the product or the claims made for the product by the manufacturer.

WORLD WIDE WEB ADDRESS—<http://www.ama-assn.org>

INTERNAL MEDICINE HOME PAGE—<http://www.archinternmed.com>

Publication Staff
Offices: 515 N State St, Chicago, IL 60610

Editorial Processing Department

Division Director: Cheryl Iverson
Director: Paula Glitman
Copyediting Manager: Gwen Chaffin
Freelance Copyediting Manager: Diane L. Cannon
Freelance Copyediting Coordinators: Lauren B. Fischer
Connie Manno
Editorial Systems Managers: Paul Frank
Monica Mungle
Systems Programmer/Internet Specialist: J. D. Neff
Senior Copy Editors: Dee E. Egger
Vickey Golden
John McFadden
Copy Editors: Melissa M. Cartwright
Donald S. Smith
Editorial Assistant: Wanda Hill

Scientific Publications & Multimedia Applications

Assistant to the Editor: Helga Fritz

Scientific Online Resources

Director: Margaret Winker, MD
Electronic Media Department Director: Michelle Kurzynski
Associate Web Editors: Katherine Behar
Erin M. Giannini
Web Office Manager: Marla A. Hall

Specialty Journal Division Office

Manager, Marketing Services: Geoffrey A. Flick
Assistant to the Publisher: Christine Hearne

Circulation & Content Marketing Division

Administrative Assistant: Millette Jackson-Bates

Circulation Processing Department

Director: Karen Howes
Circulation Systems Manager: Alfred Tomaselli
Circulation Specialists: Reginald Jordan
Kathryn Osten
Assistant Application Administrator: Julie Burton

Circulation Development Department

Director: Bina Oza Trivedi
Circulation Marketing Managers: Vida Damijonaitis
Donna Goldman
Michael McGraw
Circulation Marketing Specialist: Sandra Garzon

Licensing & Permissions Department

Director: Norman Frankel
Permissions: Rhonda Bailey

Production & 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 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, Michelle Robinson
Graphics: Joe Amft, Noel Chaparro, Carolyn Hall, Maria Kowalkowski, Chris Meyer, JoAnne Weiskopf
Proofreading: Daniel James, Teresa H. Omiotek, Mary Kay Tinerella, Barbara Wojtowicz, Agnes A. Zarkadas

Advertising

Director, Advertising Sales: Peter G. Messina
AMA Classified Advertising Department: Thalia Moss, 800-262-2260
Advertising Offices: Barbara Napoli, Philip G. Soufleris
119 Cherry Hill Rd, 3rd Flr
Parsippany, NJ 07054
(973) 263-9191



ARCHIVES

OF

INTERNAL MEDICINE

FEBRUARY 11, 2002 VOLUME 162, NUMBER 3 PAGES 233-372

EDITORIAL

- Hyaluronate Sodium Injections for Osteoarthritis: Hope, Hype, and Hard Truths** 245
David T. Felson, MD, MPH;
Jennifer J. Anderson, PhD

COMMENTARY

- Evidence in Upheaval: Incorporating Observational Data Into Clinical Practice** 249
Joel G. Ray, MD, FRCPC

REVIEW ARTICLE

- Antibiotics for Common Respiratory Tract Infections in Adults** 256
J. V. Hirschmann, MD

ORIGINAL INVESTIGATIONS

- Association of Nonsteroidal Anti-inflammatory Drugs With First Occurrence of Heart Failure and With Relapsing Heart Failure: The Rotterdam Study** 265
Johan Feenstra, MD, PhD;
Eibert R. Heerdink, PharmD, PhD;
Diederick E. Grobbee, MD, PhD;
Bruno H. Ch. Stricker, MB, PhD

- Smoking and Risk of Coronary Heart Disease Among Women With Type 2 Diabetes Mellitus** 273

Wael K. Al-Delaimy, MD, PhD;
JoAnn E. Manson, MD, DrPH;
Caren G. Solomon, MD, MPH;
Ichiro Kawachi, MD, PhD;
Meir J. Stampfer, MD, DrPH;
Walter C. Willett, MD, DrPH;
Frank B. Hu, MD, PhD

- Insurance Coverage, Medical Conditions, and Visits to Alternative Medicine Providers: Results of a National Survey** 281

Peter M. Wolsko, MD;
David M. Eisenberg, MD;
Roger B. Davis, ScD;
Susan L. Ettner, PhD;
Russell S. Phillips, MD

- Effects of Hyaluronate Sodium on Pain and Physical Functioning in Osteoarthritis of the Knee: A Randomized, Double-blind, Placebo-Controlled Clinical Trial** 292

Robert John Petrella, MD, PhD;
Mathew Dennis DiSilvestro, MSc;
Catherine Hildebrand, PhD

- Cigarette Yield and the Risk of Myocardial Infarction in Smokers** 300

William H. Sauer, MD;
Jesse A. Berlin, ScD;
Brian L. Strom, MD, MPH;
Carolyn Miles, MPH;
Jeffrey L. Carson, MD;
Stephen E. Kimmel, MD, MSCE

JAMA
&
ARCHIVES
JOURNALS
American Medical Association

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the policy of the American Medical Association, the Editorial Board, or the institution with which the author is affiliated, unless this is clearly specified.

Copyright 2002 by the American Medical Association. All rights reserved.
Reproduction without permission is prohibited.

Catherine D. DeAngelis, MD, MPH
Editor in Chief, Scientific Publications
& Multimedia Applications

Nawin Gupta, PhD
Vice President, Publishing

Peter L. Payerli
Publisher

Cheryl Iverson
Managing Editor

Michael D. Maves, MD, MBA
Executive Vice President,
Chief Executive Officer

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

**Chronic Work Stress and Marital
Dissolution Increase Risk of Posttrial
Mortality in Men From the Multiple Risk
Factor Intervention Trial** 309
*Karen A. Matthews, PhD;
Brooks B. Gump, PhD, MPH*

**Expert Agreement in Current Procedural
Terminology Evaluation and Management Coding** 316
*Mitchell S. King, MD; Martin S. Lipsky, MD;
Lisa Sharp, PhD*

**Dilutional Hyponatremia in Patients
With Cirrhosis and Ascites** 323
*Almudena Porcel, MD; Fernando Díaz, MD, PhD;
Paloma Rendón, MD; Manuel Macías, MD;
Leopoldo Martín-Herrera, MD, PhD;
José A. Girón-González, MD, PhD*

**Prevention of Contrast
Media–Associated Nephropathy:
Randomized Comparison of 2 Hydration
Regimens in 1620 Patients Undergoing
Coronary Angioplasty** 329
*Christian Mueller, MD; Gerd Buerkle, MD;
Heinz J. Buettner, MD; Jens Petersen, MD;
André P. Perruchoud, MD; Urs Eriksson, MD, PhD;
Stephan Marsch, MD, PhD; Helmut Roskamm, MD*

**Levothyroxine Treatment and
Occurrence of Fracture of the Hip** 338
*Michael C. Sheppard, MB, PhD;
Roger Holder, BSc; Jayne A. Franklyn, MD, PhD*

CLINICAL OBSERVATIONS

**Hepatitis C Virus Transmission
From an Anesthesiologist to a Patient** 345
*Sara H. Cody, MD; Omana V. Nainan, PhD;
Richard S. Garfein, PhD, MPH; Hildy Meyers, MD, MPH;
Beth P. Bell, MD, MPH; Craig N. Shapiro, MD;
Emory L. Meeks, BS; Harriett Pitt, MS; Eric Mouzin, MD;
Miriam J. Alter, PhD; Harold S. Margolis, MD;
Duc J. Vugia, MD, MPH*

**Cutaneous Leukocytoclastic Vasculitis
and Encephalitis Associated
With *Mycoplasma pneumoniae* Infection** 352
Carlos Perez, MD; Marta Montes, MD

COMMENTS, OPINIONS, AND BRIEF CASE REPORTS

**Periconceptional Exposure to Efavirenz
and Neural Tube Defects** 355
*Marco De Santis, MD;
Brigida Carducci, MD;
Lidia De Santis, MD;
Anna Franca Cavaliere, MD;
Gianluca Straface, MD*

**Efavirenz-Induced Leukocytoclastic
Vasculitis** 355
*Pere Domingo, MD, PhD;
Montserrat Barceló, MD*

**Modified Serum Albumin
in the Pathogenesis of Glomerular
Diseases: A New Hypothesis** 356
Alexy D. Kozhevnikov, MD, PhD

**Acute Dystonia Due to Metoclopramide:
Increased Risk in AIDS** 358
*Frank G. H. van der Kleij, MD;
P. A. Marcel de Vries, MD; Patricia M. Stassen, MD;
Herman G. Sprenger, MD; Rijk O. B. Gans, MD, PhD*

EDITOR'S CORRESPONDENCE

**Acute Fulminant Hepatitis
After Treatment With Rabepazole
and Terbinafine: Is Rabepazole the Culprit?** 360
*Raúl J. Andrade, MD, PhD;
Maria Isabel Lucena, MD, PhD*

In Reply 360
*Carmen Berger, MD;
Duncan Johnstone, MD, PhD;
Philip Fleckman, MD*

ARCHIVES OF INTERNAL MEDICINE

Editor:
James E. Dalen, MD, MPH
1840 E River Rd
Suite 207
Tucson, AZ 85718

Deputy Editor:
Farrell J. Lloyd, MD, MPH
Scottsdale, Ariz

Associate Editors:
Frederick R. Ahmann, MD
Tucson, Ariz
Robert J. Goldberg, PhD
Worcester, Mass

Eskild A. Petersen, MD
Tucson, Ariz

Editorial Assistants:
**Christine Despres
Janet S. Frank**
Tucson, Ariz

Editorial Board:

Joseph S. Alpert, MD
Tucson, Ariz
Christine K. Cassel, MD
Portland, Ore
William S. Dalton, MD
Tucson, Ariz
M. Brian Fennerty, MD
Portland, Ore
Faith T. Fitzgerald, MD
Sacramento, Calif

John P. Howe III, MD
Washington, DC
Richard S. Liebowitz, MD
Durham, NC
Jack M. Matloff, MD
Los Angeles, Calif
Raymond Taetle, MD
Tucson, Ariz

Physical Activity and Cognitive Decline in Elderly Persons <i>Federica Pignatti, PhD; Renzo Rozzini, MD; Marco Trabucchi, MD</i>	361	Functional Chest Pain of Presumed Esophageal Origin <i>Yehuda Ringel, MD; Nicholas J. Shaheen, MD; Douglas A. Drossman, MD</i>	365
In Reply <i>Kristine Yaffe, MD</i>	361	In Reply <i>Leonard Schwartz, MD; Martial G. Bourassa, MD</i>	366
Recognition and Clinical Management of Depression in Congestive Heart Failure <i>Ernest H. Friedman, MD</i>	362		
Depression and Major Outcomes in Older Patients With Heart Failure <i>Renzo Rozzini, MD; Tony Sabatini, MD; Giovanni B. Frisoni, MD; Marco Trabucchi, MD</i>	362		
In Reply <i>Wei Jiang, MD; Ranga R. Krishnan, MD; Christopher M. O'Connor, MD</i>	363		
Hope for Hops? <i>Martha E. Collie, DO, LT, MC, USNR; James C. Higgins, DO, CDR, MC, USNR</i>	364		
In Reply <i>Erik Lykke Mortensen, PhD; Hans Henrik Jensen, PhD; Stephanie A. Sanders, PhD; June Machover Reinisch, PhD</i>	364		
		REGULAR DEPARTMENTS	
		In This Issue of Archives of Internal Medicine	243
		ARCHIVES CME	367
		Classified Advertising	369
		Index to Advertisers	372
		Instructions for Authors are available on our Web site: http://www.archinternmed.com. If you are unable to access the Web, contact the editorial office at (520) 577-6737.	