

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
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: 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. Omiolek, 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

JANUARY 14, 2002 VOLUME 162, NUMBER 1 PAGES 1-116

REVIEW ARTICLE

- The Effect of Antidepressant Treatment on Chronic Back Pain: A Meta-analysis** 19
Stephen M. Salerno, MD, MPH;
Robert Browning, MD;
Jeffrey L. Jackson, MD, MPH

ORIGINAL INVESTIGATIONS

- Treatment and Outcome of *Staphylococcus aureus* Bacteremia: A Prospective Study of 278 Cases** 25
Allan G. Jensen, MD;
Carsten H. Wachmann, MSc, PhD;
Frank Espersen, MD, PhD;
Jens Scheibel, MD;
Peter Skinhøj, MD, PhD;
Niels Frimodt-Møller, MD, PhD

- Fractures Between the Ages of 20 and 50 Years Increase Women's Risk of Subsequent Fractures** 33
Fiona Wu, FRACP; Barbara Mason, BSc;
Anne Horne, MBChB; Ruth Ames, NZCS;
Judith Clearwater, BSc;
Michael Liu, MBChB;
Margaret C. Evans, BSc;
Gregory D. Gamble, MSc;
Ian R. Reid, MD

- National Patterns in the Treatment of Urinary Tract Infections in Women by Ambulatory Care Physicians** 41
Elbert S. Huang, MD, MPH;
Randall S. Stafford, MD, PhD

- Supplemental Oxygen Use in Ischemic Stroke Patients: Does Utilization Correspond to Need for Oxygen Therapy?** 49

Arthur M. Pancioli, MD;
Mark J. Bullard, MD;
Mary E. Grulee, MD;
Edward C. Jauch, MD, MS;
David F. Perkins, MA

- Borderline Personality Disorder in Primary Care** 53

Raz Gross, MD, MPH; Mark Olsson, MD, MPH;
Marc Gameroff, MA; Steven Shea, MD;
Adriana Feder, MD; Milton Fuentes, PsyD;
Rafael Lantigua, MD; Myrna M. Weissman, PhD

- Forecasting the Impact of a Clinical Practice Guideline for Perioperative β -Blockers to Reduce Cardiovascular Morbidity and Mortality** 63

Michael Schmidt, BS;
Peter K. Lindenauer, MD, MSc;
Jan L. Fitzgerald, MS, RN;
Evan M. Benjamin, MD

- Ethnicity and Risk of Diabetes-Related Lower Extremity Amputation: A Population-Based, Case-Control Study of African Caribbeans and Europeans in the United Kingdom** 73

Sandra Leggetter, MSc;
Nish Chaturvedi, MRCP;
John H. Fuller, FRCP;
Mike E. Edmonds, FRCP

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

Elevated Cardiac Troponin Levels in Patients With Submassive Pulmonary Embolism <i>James D. Douketis, MD, FRCP; Mark A. Crowther, MD, MSc, FRCP; Eric B. Stanton, MD, FRCP, FACC; Jeffrey S. Ginsberg, MD, FRCP</i>	79	The Intravenous Use of Oral Acetylcysteine (Mucomyst) for the Treatment of Acetaminophen Overdose <i>Ali Amirzadeh, BS; Craig McCotter, MD</i>	96
Sex Differences in Risk Factors for Incident Type 2 Diabetes Mellitus: The MONICA Augsburg Cohort Study <i>Christa Meisinger, MD, MPH; Barbara Thorand, PhD, MPH; Andrea Schneider; Jutta Stieber, MD; Angela Döring, MD; Hannelore Löwel, MD</i>	82	Paradoxical Reactions of Tuberculosis in Patients With the Acquired Immunodeficiency Syndrome Who Are Treated With Highly Active Antiretroviral Therapy <i>Enrique Navas, MD; Pilar Martín-Dávila, MD; Leonor Moreno, MD; Vicente Pintado, MD; José L. Casado, MD; Jesús Fortún, MD; María J. Pérez-Elías, MD; Enrique Gomez-Mampaso, MD; Santiago Moreno, MD</i>	97
Changing Patient Characteristics and the Effect on Mortality in Endocarditis <i>Christopher H. Cabell, MD; James G. Jollis, MD; Gail E. Peterson, MD; G. Ralph Corey, MD; Deverick J. Anderson, MD; Daniel J. Sexton, MD; Christopher W. Woods, MD; L. Barth Reller, MD; Thomas Ryan, MD; Vance G. Fowler, Jr, MD, MHS</i>	90		
COMMENTS, OPINIONS, AND BRIEF CASE REPORTS			
Ludovico Ariosto's Angina <i>Spalato Signorelli, MD; Stefano Tolomelli, MD; Edda Rota, MD; Marco Mengoli, MD</i>	95	Lotronex Withdrawal <i>Donna M. Lisi, PharmD, BCPS, BCPP, CGP</i>	101
Gastrointestinal Carcinoid Tumor in a Patient With Chronic Diarrhea <i>S. P. Jothi, MD; Stephen Miller, MD</i>	95	Risk of Hip Fracture in Women: Not Only a Smoking Issue <i>Graziano Onder, MD; Claudio Pedone, MD, PhD, MPH; Giovanni Gambassi, MD</i>	101
		In Reply <i>John A. Baron, MD; Karl Michaelsson, MD</i>	102
		"Quality," Nutrition, and Pressure Ulcers <i>Thomas E. Finucane, MD</i>	100
		In Reply <i>Courtney H. Lyder, ND</i>	100
		Safety Concerns About Alosetron <i>Michael Camilleri, MD</i>	100
		EDITOR'S CORRESPONDENCE	

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

Methylmalonic Acid and Clinical Practice	102	Prediction of Cardiovascular Mortality	108
<i>Ciriaco Aguirre, MD, PhD;</i> <i>Guillermo Barreiro, MD</i>		<i>John I. Levitt, MD</i>	
In Reply	103	The Advantages of Using Non-HDL-C in the Diagnosis and Treatment of Dyslipidemia	108
<i>Anne-Mette Hvas, MD;</i> <i>Jørgen Ellegaard, MD;</i> <i>Ebba Nexø, MD</i>		<i>Carlos A. Aguilar-Salinas, MD;</i> <i>Adriano Delgado, MD;</i> <i>Francisco J. Gómez-Pérez, MD</i>	
Iodized Salt and Hypertension	104	In Reply	109
<i>Stephen A. Hopton Cann, PhD;</i> <i>Johannes P. van Netten, PhD;</i> <i>Christiaan van Netten, PhD</i>		<i>Yadong Cui, MD, PhD;</i> <i>Roger S. Blumenthal, MD;</i> <i>Maura K. Whiteman, BS;</i> <i>Jodi A. Flaws, PhD</i>	
In Reply	105	REGULAR DEPARTMENTS	
<i>Franz H. Messerli, MD;</i> <i>Roland E. Schmieder, MD</i>		In This Issue of Archives of Internal Medicine	17
Goal Blood Pressure in Treating Hypertension	105	Corrections	32, 110
<i>Richard Ames, MD</i>		ARCHIVES CME	111
In Reply	106	Classified Advertising	113
<i>Norman M. Kaplan, MD</i>		Index to Advertisers	116
Anticoagulation Treatment in Disabled Patients	107	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.	
<i>Giuseppe Bellelli, MD;</i> <i>Fabio Guerini, MD;</i> <i>Angelo Bianchetti, MD;</i> <i>Marco Trabucchi, MD</i>			
In Reply	108		
<i>Andrew Evans, MRCP;</i> <i>Lalit Kalra, PhD, FRCP</i>			