

# ARCHIVES OF FAMILY MEDICINE

The ARCHIVES OF FAMILY MEDICINE is a member of the consortium of AMA journals listed below. The complete text of all AMA journals is available online from Dialog Information Services and Information Access Company.

## The Journal of the American Medical Association (JAMA)

Archives of Dermatology  
Archives of Family Medicine  
Archives of General Psychiatry  
Archives of Internal Medicine  
Archives of Neurology  
Archives of Ophthalmology  
Archives of Otolaryngology—Head & Neck Surgery  
Archives of Pathology & Laboratory Medicine  
Archives of Pediatrics & Adolescent Medicine  
Archives of Surgery

The ARCHIVES OF FAMILY MEDICINE (ISSN 1063-3987) is published bi-monthly, by the American Medical Association, 515 N State St, Chicago, IL 60610, and is an official publication of the Association. THE ARCHIVES OF FAMILY MEDICINE reaches more than 40 000 readers in over 40 countries. 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. 319600. Printed in the USA.

**SUBSCRIPTION RATES**—The personal subscription rates for the ARCHIVES OF FAMILY MEDICINE are \$80 for 1 year (6 issues) in the United States and US possessions; \$100 in the Americas; £64 outside the Americas. The institution rates for 1 year are \$110 in the United States; \$140 in the Americas; £90 outside the Americas. Special rates for residents and medical students are available. Address all subscription communications to: Subscriber Services Center, American Medical Association, PO Box 10946, Chicago, IL 60610-0946. Phone: (800) 262-2350. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. For mailing addresses outside the United States and US possessions, see International Subscription Information.

**CHANGE OF ADDRESS**—POSTMASTER, send all address changes to ARCHIVES OF FAMILY 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 US possessions, see International Subscription Information.

**SUBSCRIBER SERVICES**—For information about subscribing to any of the AMA publications, change of address, missing issues, or purchasing back issues, please contact Subscriber Services Center, American Medical Association, PO Box 10946, Chicago, IL 60610-0946, or call (800) 262-2350 or (312) 670-SUBS (670-7827) between 8:30 AM and 4:30 PM CST. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. For mailing addresses outside the United States and US possessions, see International Subscription Information.

**INTERNATIONAL SUBSCRIPTION INFORMATION**—Subscriptions outside the United States and US possessions are served according to geographic region. Please address correspondence to the following 2 offices based on delivery address: (1) For delivery in North America, Central America, and South America, contact Subscriber Services Center, AMA, PO Box 10946, Chicago, IL 60610-0946. Phone (312) 670-7827. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. (2) For delivery outside the Americas, contact JAMA & Archives Journals, Reader Services Centre, PO Box 299, London WC1H 9TD, England. Phone: +44(0)171-383-6270. Fax: +44(0)171-383-6402. E-mail: bmjsubs@dial.pipex.com.

**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, 500 Fifth Ave, #2210, New York, NY 10010. Phone: (212) 354-0050. Fax: (212) 354-1169. E-mail: QGZR06A@Prodigy.com. For reprint orders in limited quantities for distribution by educational organizations, please contact Joseph R. Rekash, 515 N State St, Chicago, IL 60610. Phone: (312) 464-4594. Fax: (312) 464-4849.

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

**FAMILY MEDICINE HOME PAGE**—<http://www.ama-assn.org/family>.

**PERMISSIONS**—Contact Ada Jimenez-Walker, 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.

**Publication Staff**  
Offices: 515 N State St  
Chicago, IL 60610  
**Editorial Processing Department,**  
Archives Journals  
**Director:** Paula Glitman  
**Manager:** Vickey Golden  
**Freelance Manager:** Diane L. Cannon  
**Freelance Coordinator:**  
Connie Manno  
**Electronic Editing Specialist:**  
Paul Frank  
**Assistant Electronic Editing Specialist:**  
Monica Mungle  
**Senior Copy Editor:**  
Brenda Gregoline  
**Copy Editor:** Fran Buckley  
**Editorial Assistant:** Celina Canchola  
**Scientific Information and  
Multimedia Group**  
**Administrative Assistant:** Helga Fritz  
New Media Editorial Office  
**Editorial Director, New Media:**  
William M. Silberg  
**Associate Editor:** Marty Suter  
**Assistant Editors:**  
Deborah Flapan  
Neil Shankman  
**Staff Assistant:** Marla A. Hall

**Production & Distribution Division**  
**Manager, Budgets & Costs:**  
Bonnie Van Clevon  
**Publishing Manufacturing Analyst:**  
Diane Darnell  
**Office Manager:** Karen Branham  
**Senior Secretary:** Shannon Epplert  
**Advertising & Production  
Department**  
**Director:** Karen Adams-Taylor  
**Manager, Advertising Services:**  
Carole Piszker  
**Manager, Production Services:**  
Susan Price  
**Production Associates:**  
Debbie Camp  
Betty Frigerio  
Mari Guizzetti  
Sarah Powell  
Jennifer Reiling  
Chad Sanderson  
Mary Ann Schultz  
Jo Anne Turner  
Carmela Ware  
**Distribution**  
**Distribution Manager:** Paul Gasiccki

**Electronic Production Department**  
**Director:** Linda Knott  
**Manager, Composition:** Phil Arko  
**Electronic Production Operators:**  
Brenda Chandler  
Amy Evers  
Mary Ann Kuranda  
Sandra Lopez  
**Graphics Manager:** Charl Richey  
**Graphics Operators:**  
Joe Amft  
JoAnne Weiskopf  
Alicja Wojcik  
**Manager, Proofreading:**  
Teresa H. Omiotek  
**Proofreaders:**  
David Antos  
Daniel James  
Mary Kay Tinerella  
Barbara Wojtowicz  
**Production Assistant:** Ruth Sprague  
**Manager, Database & New Media:**  
Mary Ellen Johnston  
**Indexer:** Kathy Gaydar  
**Database Assistants:**  
Gail Barrett  
La'son J. Diggs  
Melanie Parenti

**Specialty Journal Division Office**  
**Assistant to the Publisher:**  
Christine Hearne  
**Circulation & Content  
Marketing Division**  
**Administrative Assistant:**  
Millette Jackson-Bates  
**Circulation Processing Department**  
**Director:** Beverly Martin  
**Circulation Development Department**  
**Director:** Bina Oza  
**Licensing & Permissions Department**  
**Director:** Norman Frankel  
**Permissions:** Ada Jimenez-Walker  
**International Coordinator:** Sharon Ali  
**Reprints**  
**Reprint Coordinator:** Joseph Rekash



# ARCHIVES

OF

# FAMILY MEDICINE

VOL 7 NO. 3, MAY/JUNE 1998

## SPECIAL SELECTION

- Pathological Case of the Month** 207  
*Gregg T. Lueder, MD;*  
*Bertram Matsumoto, MD;*  
*Morton E. Smith, MD*

## LETTERS TO THE EDITOR

- Response to Violence, Mental Health,  
and Substance Abuse in Patients Who  
Are Seen in Primary Care Settings** 209  
*James Everett, Jr, PhD, MD*

- In Reply** 209  
*Grace Wyshak, PhD;*  
*Geoffrey A. Modest, MD*

- The Electronic House Call** 210  
*Arch G. Mainous III, PhD;*  
*Richard A. Neill, MD*

- In Reply** 210  
*Truls Østbye, MD, MPH;*  
*Petter Hurlen, MD, MSc*

## LIVING IN MEDICINE

- Family Practice Applicant** 211  
*Adam D. Garretson, MD*

## SPECIAL ARTICLE

- Socioeconomic Influences on the  
Transmission of Human  
Immunodeficiency Virus Infection:  
The Hidden Risk** 214  
*Arthur M. Fournier, MD;*  
*Cynthia Carmichael, MD*



## DRUG THERAPY

- Mifepristone (RU 486):  
Current Knowledge and  
Future Prospects** 219  
*Jeffrey R. Goldberg, MD;*  
*Marcus G. Plescia, MD, MPH;*  
*Geraldine D. Anastasio, PharmD*



## American Medical Association

Physicians dedicated to the health of America



Copyright 1998 by the American Medical Association. All rights reserved.  
Reproduction without permission is prohibited.

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.

**Lynn Jensen, PhD**  
Chief Operating Officer &  
Interim Executive Vice President

**George D. Lundberg, MD**  
Editor in Chief, Scientific  
Information and Multimedia

**Robert L. Kennett**  
Interim Senior Vice President,  
Publishing & Business Services

**Peter L. Payerli**  
Publisher

**Vanessa Hayden**  
Director, Production &  
Distribution Division

**Cheryl Iverson**  
Director, Editorial Processing Division

**James A. Skowrenski**  
Director, Circulation &  
Content Marketing Division

**Geoffrey A. Flick**  
Manager, Marketing Services

**Advertising Offices: East:** Phillip B. Altamore, Peter G. Messina, Kelly E. Lezynski, 119 Cherry Hill Rd, 3rd Flr, Parsippany, NJ 07054 (973) 263-9191.  
**Midwest/West:** Alexis A. O'Connell, 515 N State St, Chicago, IL 60610 (312) 464-2470. **AMA Classified Advertising Department:** Thalia Moss, Supervisor, 800-262-2260.

**ORIGINAL CONTRIBUTIONS**

**Practitioner Self-confidence and Patient Outcomes in Acute Low Back Pain** 223

Douglas R. Smucker, MD;  
Thomas R. Konrad, PhD;  
Peter Curtis, MD;  
Timothy S. Carey, MD



**Natural History of Asymptomatic Gallstones in Family Practice Office Practices** 230

Jennifer Zubler, MD;  
Geoffrey Markowski, MD;  
Sandra Yale, DO;  
Robin Graham, PhD;  
Thomas C. Rosenthal, MD



**Multiple-Attack Efficacy and Tolerability of Sumatriptan Nasal Spray in the Treatment of Migraine** 234

Seymour Diamond, MD;  
Arthur Elkind, MD;  
R. Terry Jackson, MD;  
Robert Ryan, MD;  
Sandy DeBussey;  
Mahnaz Asgharnejad, PharmD



**Family Physicians' Satisfaction With Practice** 242

William J. Hueston, MD



**Variation in the Diagnosis of Upper Respiratory Tract Infections and Otitis Media in an Urgent Medical Care Practice** 249

Joseph L. Lyon, MD, MPH;  
Arden Ashton, MD;  
Bryan Turner, MD;  
Michael Magill, MD

**Use of Acetaminophen and Nonsteroidal Anti-inflammatory Drugs: A Prospective Study and the Risk of Symptomatic Diverticular Disease in Men** 255

Walid H. Aldoori, MD;  
Edward L. Giovannucci, MD;  
Eric B. Rimm, ScD;  
Alvin L. Wing, MBA;  
Walter C. Willett, MD



**EDITORIAL**

**Analgesics and Symptomatic Diverticular Disease** 262

James W. Mold, MD

**ORIGINAL CONTRIBUTION**

**Cigarette Continuity Programs and Social Support for Smoking** 264

Walton Sumner II, MD;  
Michael Dunaway, MD;  
D. Gene Dillman II, MD

**Patient Commentary** 268

Don Fielder

**SERIES ON PRACTICE MANAGEMENT**

**The Cost of Medical Dictation Transcription at an Academic Family Practice Center** 269

Frank H. Lawler, MD, MSPH;  
Dewey C. Scheid, MD, MPH;  
Nancy J. Viviani, RN

**ARCHIVES**  
OF  
**FAMILY MEDICINE**

*Editor:*

**Marjorie A. Bowman, MD, MPA**  
University of Pennsylvania  
Health System  
3400 Spruce St/1126 Penn Tower  
Philadelphia, PA 19104-4283  
Phone: (215) 662-3348  
Fax: (215) 662-3591

*Assistant to the Editor:*

**Patti Hutchings**

*Deputy Editor:*

**Joseph C. Konen, MD, MSPH**  
Charlotte, NC

*Associate Editors:*

**Louise S. Acheson, MD, MS**  
Cleveland, Ohio

**Charles E. Driscoll, MD**

West Branch, Iowa  
**Steven C. Zweig, MD, MSPH**  
Columbia, Mo

*Editorial Board:*

**Robert M. Bostick, MD, MPH**  
Winston-Salem, NC

**Doug Campos-Outcalt, MD, MPA**  
Phoenix, Ariz

**Nancy W. Dickey, MD**  
Chicago, Ill

**Allen J. Dietrich, MD**  
Hanover, NH

**John G. Halvorsen, MD, MS**  
Peoria, Ill

**Vahe A. Keukjian, MD**  
Hudson, NY

**Arch G. Mainous III, PhD**  
Lexington, Ky

**Patrick J. O'Connor, MD, MPH**  
St Paul, Minn

**Michael L. Parchman, MD**  
El Paso, Tex

**Barbara D. Reed, MD, MSPH**  
Ann Arbor, Mich

**Len Scarpinato, DO, FACP, FCCP, FAFAP**  
Milwaukee, Wis

**Susan Z. Yanovski, MD**  
Bethesda, Md

*Statistical Consultant:*  
**Mark A. Espeland, PhD**  
Winston-Salem, NC

*Book Reviews:*

**Michael L. Adler, MD**  
Winston-Salem, NC

*Selections From Other Journals:*

**Kevin A. Pearce, MD, MPH**  
Winston-Salem, NC

**CLINICAL REVIEW**

**Treatment of Depression in Elderly Patients: Recent Advances** 274  
 Krishna DasGupta, MD

**BRIEF REPORTS**

**Dictation in the Presence of the Patient** 281  
 John E. Sutherland, MD;  
 Nichole Egbert, MA;  
 Craig L. Gjerde, PhD;  
 Toni Pint-Burke, BS;  
 Cynthia Franklin, MEd, NCC;  
 Dennis Walker, MD



**Moderate Leisure-Time Physical Activity: Who Is Meeting the Public Health Recommendations? A National Cross-sectional Study** 285  
 Deborah Arriaza Jones, PhD, RD;  
 Barbara E. Ainsworth, PhD, MPH;  
 Janet B. Croft, PhD;  
 Caroline A. Macera, PhD;  
 Elizabeth E. Lloyd, MS;  
 Hussain R. Yusuf, MBBS, MPH

**BOOK REVIEW**

**Patients Are a Virtue: Practicing Medicine in the Pennsylvania Amish Country** 290  
 Judith A. Fisher, MD

**CORRECTION**

**Use of the Intrauterine Device by Inner-city Women** 204  
 Seshu P. Sarma, MD;  
 Karen Garafalo, PA-C;  
 William L. Graves, PhD

**DEPARTMENTS**

**In Other AMA Journals** 202  
*Archives CME* 199  
**Classified Advertising** 291  
**Index to Advertisers** 295  
**Instructions for Authors—**  
 See July/August 1997 issue,  
 page 393, or visit the Web site  
 at [www.ama-assn.org](http://www.ama-assn.org)



Answers to This Issue's Self-assessment Quiz

Q1. B    Q2. E    Q3. D    Q4. C    Q5. A  
 Q6. D    Q7. C    Q8. E    Q9. E    Q10. B