

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 Ovid Technologies, Inc.

The Journal of the American Medical Association (JAMA)

Archives of Dermatology

Archives of Facial Plastic Surgery

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 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 FAM-ILY MEDICINE are \$95 for 1 year (12 issues) in the United States and US possessions; \$145 in the Americas; £95 outside the Americas. The institution rates for 1year are \$195 in the United States; \$295 in the Americas; £145 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 Subscription Department, JAMA & ARCHIVES Journals, American Medical Association, Tower House, Sovereign Park, Market Harborough, Leicestershire LE16 9EF, England. Telephone: +44(0)1858-438880. Fax: +44(0)1858-434958.

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 Reprint 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, II. 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 FAMILY MEDICINE HOME PAGE—http://www.archfammed.com

Publication Staff

Offices: 515 N State St, Chicago, IL 60610

Editorial Processing Department, Archives Journals

Director: Paula Glitman

Manager: Brenda Gregoline

Freelance Manager: Diane L. Cannon

Freelance Coordinator:

Connie Manno

Electronic Editing Specialist:

Paul Frank

Assistant Electronic Editing Specialist:

Monica Mungle

Senior Copy Editor:

Vickey Golden

Copy Editors:

Lauren L. Bomberger

Erin M. Giannini Michelle Kurzynski

Editorial Assistant: Wanda Hill

Scientific Publications

& Multimedia Applications Staff Assistant: Helga Fritz

Scientific Online Resources

Director: Margaret Winker, MD

Electronic Media Department Director: Marty Suter

Assistant Editors:

Neil Shankman

Brande Martin

Staff Assistant: Marla A. Hall

Specialty Journal Division Office

Assistant to the Publisher:

Christine Hearne

Circulation & Content

Marketing Division

Administrative Assistant:

Millette Jackson-Bates

Circulation Processing Department

Director: Robert Herling

Subscriber Services Manager:

Susan Stoken

Circulation Systems Manager:

Alfred Tomaselli

Circulation Specialists:

Reginald Jordan Kathrvn Osten

Circulation Development

Department

Director: Bina Oza

Circulation Marketing Managers:

Audrey Mathies

Timothy Ryan

Circulation Marketing Specialists:

Sandra Garzon Michael McGraw

Licensing & Permissions Department

Director: Norman Frankel Permissions: Rhonda Bailey

International Coordinator: Sharon Ali

Production & Distribution Division

Manager, Budgets & Costs:

Bonnie Van Cleven

Publishing Manufacturing Analyst:

Diane Darnell

Office Manager: Karen Branham

Production Assistant: Shannon Epplett

Advertising & Production

Director: Karen Adams-Taylor

Production Specialist: Terri Hanley

Manager, Advertising Services: Carole Piszker

Manager, Production Services:

Susan Price

Supervisor, Production Services:

Debbie Camp

Production Associates:

Mary Anne Donley

Sarah Powell

Denise Steinhauser Jo Anne Turner

Production Assistants:

Bryan Irzyk

Amelia Zamudio

Distribution

Distribution Manager: Paul Gasiecki

Distribution Analyst:

Michelle Robinson Traffic Control Specialist:

Victoria Buckner

Electronic Production Department

Manager, Composition & Pagination:

Phil Arko **Electronic Production Specialists:**

Brenda Chandler

Heather Crego

Karl Elvin Amy Evers

Mary Ann Kuranda

Sandra Lopez

Graphics Manager: Charl Richey

Electronic Imaging Specialists:

Ioe Amft

Noel Chaparro

Carolyn Hall

Maria Kowalkowski

Chris Mever

JoAnne Weiskopf

Manager, Proofreading:

Teresa H. Omiotek

Proofreaders: David Antos

Daniel James

Rachel Novickas

Mary Kay Tinerella

Barbara Wojtowicz Manager, Database & New Media:

Mary Ellen Johnston

Indexer: Kathy Gaydar

New Media Specialists:

Gail Barrett

Joel Brammeier Regina Brownlee

La'son J. Diggs

Melanie Parenti

Angela Smits Production Assistant: Ruth Sprague



FAMILY MEDICINE

VOL 9 NO. 1, JANUARY 2000

17

21

SPECIAL SELECTION

Radiological Case of the Month Avinash K. Shetty, MD; Eberhard Schmidt-Sommerfeld, MD; Marie-Louise Haymon, MD; John N. Udall, Jr, MD

LETTERS TO THE EDITOR: CORRESPONDENCE

Approach to Depressive Disorders	19
Stefan P. Kruszewski, MD	

In Reply	19
John W. Williams, Ir. MD. MHS	

SPECIAL ARTICLES

and Fiduciary Responsibilities in For-Profit Managed Care Systems Warren Lee Holleman, PhD; Marsha Cline Holleman, MD, MPH; Julie Graves Moy, MD, MPH

Continuity of Care, Informed Consent,

Biohazardous Waste Management: What the Physician Needs to Know Linda Cocchiarella, MD, MSc;

Report of the Council on Scientific Affairs:

Scott D. Deitchman, MD, MPH; Donald C. Young, MD; for the Council on Scientific Affairs, American Medical Association

EDITORIAL

26

Year 2000 Archives of Family Medicine: 30 **Totally Online, More Features, Now Brought to You Monthly!** Marjorie A. Bowman, MD, MPA

ORIGINAL CONTRIBUTIONS

Effect of Calcium Supplementation 31 on Serum Cholesterol and Blood Pressure: A Randomized, Double-blind, Placebo-Controlled, Clinical Trial Roberd M. Bostick, MD, MPH; Lisa Fosdick, MS; Greg A. Grandits, MS; Patricia Grambsch, PhD; Myron Gross, PhD; Thomas A. Louis, PhD

Author's Comment 39 Roberd ("Robin") M. Bostick, MD, MPH

American Medical Association

Physicians dedicated to the health of America



Copyright 2000 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.

E. Ratcliffe Anderson, Jr, MD

Executive Vice President, Chief Executive Officer

Lvnn E. Jensen. PhD Chief Operating Officer

Robert A. Musacchio, PhD

Senior Vice President, Publishing & Business Services

Catherine D. DeAngelis, MD, MPH Editor in Chief, Scientific

Publications & Multimedia Applications

Robert L. Kennett Vice President, Publishing

Peter L. Payerli Publisher

Peter G. Messina National Sales Manager Geoffrey A. Flick

Manager, Marketing Services

Cheryl Iverson

Director, Editorial Processing Division

Vanessa Hayden Director, Production & Distribution Division

James A. Skowrenski Director, Circulation & Content Marketing Division

Advertising Offices: East: 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.

Outcomes of the Kaiser Permanente	40	CLINICAL REVIEW	
Tele-Home Health Research Project Barbara Johnston, RN, MSNM&L Linda Wheeler, RN; MSNM&L Jill Deuser, RN, MBA; Karen H. Sousa, RN, PhD		Cervical Ectopic Pregnancy: Diagnosis With Endovaginal Ultrasound Examination and Successful Treatment With Methotrexate	ARCHIVES ARCHIVES PROGRAM
Somatoform Symptoms and Treatment	46	Lawrence M. Leeman, MD, MPH; Claire L. Wendland, MD	
Nonadherence in Depressed Family Medicine Outpatients Robert Keeley, MD; Marcia Smith, PhD; John Miller, MD	ARCHIVES CME	SOAP	
Author's Comment Robert Keeley, MD	54	Antibiotics and Oral Contraceptive Failure Kevin E. Burroughs, MD; M. Lee Chambliss, MD, MSPH	81
The Effects of Patient Communication	57	BRIEF REPORT	
Skills Training on Compliance Donald J. Cegala, PhD; Terese Marinelli; Douglas Post, PhD	ARCHIVES PROGRAM	Recurrent Binge Eating in Black American Women	83
Author's Comment Donald J. Cegala, PhD	64	Ruth H. Striegel-Moore, PhD; Denise E. Wilfley, PhD; Kathleen M. Pike, PhD; Faith-Anne Dohm, PhD; Christopher G. Fairburn, MD	ARCHIVES CIME
EDITORIAL		Christopher G. Patrburn, MD	
The Evolving Roles of Patient and Physician Forest Lang, MD	65	Author's Comment Ruth H. Striegel-Moore, PhD	87
		EDITORIAL	
Evaluation and Management Services: A Comparison of Medical Record Documentation With Actual Billing	68	Eating Disorders, Race, and Mythology Susan Z. Yanovski, MD	88

Documentation With Actual Billing in Community Family Practice

George E. Kikano, MD; Meredith A. Goodwin, MS; Kurt C. Stange, MD, PhD

FAMILY MEDICINE

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:

Roberd M. Bostick, MD, MPH Columbia, SC

Elizabeth A. Burns, MD, MA Chicago, Ill

Doug Campos-Outcalt, MD, MPA Phoenix, Ariz

Nancy W. Dickey, MD Chicago, Ill Allen J. Dietrich, MD Hanover, NH

Joseph J. Gallo, MD, MPH Baltimore, Md

Lillian Gelberg, MD, MSPH Los Angeles, Calif

John G. Halvorsen, MD, MS Peoria, Ill

James M. Herman, MD, MSPH Hershey, Pa

Vahe A. Keukjian, MD Hudson, NY

Arch G. Mainous III, PhD Charleston, SC

Michael L. Parchman, MD El Paso, Tex

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

Len Scarpinato, DO, FACP, FCCP, FAAFP

Racine, Wis

David E. Swee, MD New Brunswick, NJ

Susan Z. Yanovski, MD Bethesda, Md

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

ARCH FAM MED/VOL 9, JAN 2000

WWW.ARCHFAMMED.COM

DEPARTMENTS BRIEF REPORTS Videotaping Obstetric Procedures: 89 In Other AMA Journals 11 Assessment of Obstetricians and ARCHIVES CME **Family Physicians** 79 **ARCHIVES CME** Douglas R. Eitel, MD, JD, MBA; Jerome Yankowitz, MD; **Instructions for Authors** 94 John W. Ely, MD, MSPH **Classified Advertising** 100 **BOOK REVIEW**

93

How to Find Health Information

on the Internet Richard A. Neill, MD

Index to Advertisers

104



Answers to This Issue's Self-assessment Quiz

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