

Editor: William R. Barclay, MD
Deputy Editor: M. Therese Southgate, MD
Executive Editor: Robert W. Mayo
Senior Editors: John D. Archer, MD, Lawrence D. Grouse, MD, PhD, Jeffrey R. M. Kunz, MD, Harriet S. Meyer, MD
Contributing Editors: Charles B. Clayman, MD, Carlotta Rinke, MD
Medical News—Editor: Gail McBride; **Senior Associate Editor:** Phil Gunby; **Associate Editors:** Elizabeth Rasche González, Barbara Bolsen (Washington, DC); **Editorial Coordinator:** Michelle Preston; **Correspondents:** William Check, Jaan Kangilaski, Milan Korcok, Harriet Page, Nancy Yanes-Hoffman
Administrative Assistant: Sandra Williamson
Production Manager: Marlene M. Hinsch
Assistant Production Manager: John R. Sayban
Editorial Processing Manager: Cheryl Iversen
Assistant Editorial Processing Manager: Paula Giltman
Reprints and Permissions: Mary Erhard
Manuscript Processing: Sharon Stack-Wiggins
Manuscript Records: Ethel Pinkston
Production Supervisors: Karen Branham (Word Processing), Thomas J. Handrigan (Illustrations), Marlene M. Hinsch (Editorial), Lorraine L. Kruse (Proofreading), John R. Sayban (Advertising), Jo Anne Weiskopf (Layout), Roxanne K. Young (Copy Editing)
Copy Editing: Kevin J. Hawker, Deborah J. Thorp
Proofreading: Verna Coffman, Patricia Coyne, Winifred O'Reilly, Elizabeth Petrikenas
Questions and Answers—Coordinating Editor: Hilda L. Slive
Letters: Ivana Falajlo (Editorial Coordinator)
Senior Production Assistants: Shirley Latronica, Marilyn Moroney, Susan Routhier, Bonnie Van Clevon, Ellen Yoshihara
Production Assistants: Lucille Kuznicki, Debra Lucas, Sharon Summers, Brenda Wince
Illustrations and Layout: Mary Cunningham, Donna Hagler, Terese Noto, Sandra Williams
Cover Editor: M. Therese Southgate, MD
Editorial Assistants: Mary Cannon, Joan Domkowski, Cassandra Johnson, Sheri Reynard, Lucille Souci, Dorothy Zeigler
Indexing: Phyllis H. O'Donnell (Supervisor), Jane P. Bouterse, Mary Kay Tinerella
 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.

JAMA, THE JOURNAL of the American Medical Association (ISSN 0098-7484) is published 4 issues per month by the American Medical Association, 535 North Dearborn Street, Chicago, IL 60610. Phone 751-6000 (Area Code 312). Cable address "Medic" Chicago.

SUBSCRIPTION RATE—The subscription price per year for members of the AMA is \$2, included in the annual membership dues. The subscription price per year for nonmembers is \$48 for one year, \$90 for two years in the United States and US possessions; \$64 for one year, \$110 for two years in all other countries, payable in advance. Price to medical students, interns, and residents, \$24 for one year, \$45 for two years in the United States and US possessions. Address all subscription communications to Circulation-Fulfillment Department. Phone: 312, 751-6079.

CHANGE OF ADDRESS: POSTMASTER, send address changes to Lee A. Parent, Director, Circulation-Fulfillment Division, 535 N Dearborn St, Chicago, IL 60610. Changes may be made by sending old address (as it appears on your Journal) and new address with zip code number. Instructions should state whether change is temporary or permanent. Allow six weeks for changeover.

Second-class postage paid at Chicago and additional mailing office.

Copyright © 1981 by the American Medical Association



Continuing Education Courses for Physicians

Contents

CME Course List		Colon & Rectal Surgery	440
		Critical Care Medicine	441
		Dermatology	441
		Electrocardiography	443
		Emergency Care	443
		Endocrinology	446
		Family Medicine	447
		Fractures	452
		Gastroenterology	452
		General Medicine	454
		Genetics	465
		Geriatrics	465
		Hematology	466
		Infectious Diseases	468
		Internal Medicine	469
		Legal Medicine	477
		Malignant Disease	478
		Medical Administration	481
		Mental Retardation	481
		Metabolism	481
		Neurology	482
		Neurosurgery	485
		Nuclear Medicine	485
		Nutrition	486
		Obstetrics & Gynecology	486
		Occupational Medicine	492
		Ophthalmology	493
		Orthopedic Surgery	497
		Otolaryngology	501
		Pathology	503
		Pediatrics	509
		Physical Medicine & Rehabilitation	515
		Plastic Surgery	517
		Preventive Medicine & Public Health	518
		Psychiatry	519
		Radiology & Radioisotopes	532
		Surgery	538
		Urology	545
		Refresher Courses	548
		Audiotape Programs	548
		List of Accredited Institutions and Organizations	551
		Medical Schools and Affiliated Institutions	561
		Geographical Index	566
Physician's Recognition Award (PRA)			
		Development of the PRA	417
		Definition of CME	418
		Requirements of the PRA	418
		Requirements for Category 1	418
		Designation of Category 1	418
		The PRA and Other Medical Certification Programs	418
		The PRA and CME Requirements for the Reregistration of License	419
		PRA Applications and Additional Information	419
CME Accreditation Programs			
		Development of CME Accreditation	419
		List of Accredited Institutions and Organizations	419
Course List Explanatory Figure	419		
Course Abbreviations List	420		
Course List Subject Headings			
		Adolescents' Medical Care	421
		Aerospace Medicine	421
		Alcoholism	421
		Allergy	422
		Anesthesiology	422
		Arthritis and Rheumatism	430
		Basic Sciences	
		General	430
		Anatomy	431
		Biochemistry	431
		Microbiology & Immunology	431
		Pharmacology	432
		Physiology	433
		Cardiovascular Disease	433
		Chest Disease	439

Executive Vice-President: James H. Sammons, MD
Group Vice-President, Scientific Publications: William R. Barclay, MD
Director, Scientific Publications Division: Robert W. Mayo
Vice-President, Publishing: John T. Baker
Director, Publication Production and Printing Division: Norman D. Richey
Director, Advertising Sales and Promotion Services Division: Joseph Dennehy
Director, Circulation-Fulfillment Division: Lee A. Parent
Director, Promotion and Western Sales: Thomas J. Carroll
Director, Advertising Services: Raymond Christian

ADVERTISING OFFICES: New York: 600 Third Ave, Suite 700, New York, NY 10016 (Manager: Robert C. Corcoran [212-867-6640]); Representatives: Bill Tice, Cliff Vanderhoof; Chicago: 535 N Dearborn St, Chicago, IL 60610 (Manager: Thomas J. Carroll [312-751-6875]); Representative: William J. Healy; Newport Beach, Calif: 1940 16th St, Suite 0-206, Newport Beach, CA 92663 (Representative: Anton Media Associates [714-646-9090])

ADVERTISING PRINCIPLES—Advertisements in this issue have been reviewed to comply with the principles governing advertising in AMA scientific publications. A copy of these principles is available on request.