DEDICATED TO LIFELONG LEARNING

CLEVELAND CLINIC JOURNAL OF MEDICINE

MAY 1998

VOLUME 65 • NUMBER 5 • ISSN 0891-1150

TABLE OF CONTENTS

MEDICAL GRAND ROUNDS

Antibiotic resistance: An ecological approach to a growing threat 232

Instead of confidently awaiting the next generation of antibiotics to conquer antibiotic resistance, physicians must take a humbler view. With an illustration explaining how bacteria acquire resistance.

S.M. GORDON

INTERNAL MEDICINE BOARD REVIEW

Asymptomatic hypercalcemia in a 51-year-old woman 237

What is the likely cause of this patient's hypercalcemia? A self quiz on a clinical case.

W.I. HUSSEIN AND A.A. LICATA

REVIEWS

Group A streptococcal necrotizing fasciitis: Diagnosing and treating the "flesh-eating bacteria syndrome" 241

Appropriate management of this life-threatening infection requires rapid recognition, immediate antibiotic therapy, and expeditious surgical debridement or excision.

T.M. FILE, JR., J.S. TAN, AND J.R. DIPERSIO

Diagnosing and treating depression in primary care patients: Looking beyond physical complaints 251

Depression is common, but often overlooked because patients with depression often present with somatic complaints rather than psychological ones.

F.J. ALARCON, J. HARRY ISAACSON, AND K. FRANCO-BRONSON

The connection between chronic fatigue syndrome and neurally mediated hypotension 261

Some research indicates that some patients with chronic fatigue syndrome have abnormal vasovagal or vasodepressor responses to upright posture. But subsequent studies have not corroborated these results.

W.S. WILKE, F.M. FOUAD-TARAZI, J.M. CASH, AND L.H. CALABRESE

CONTINUED ON PAGE 230

EDITORS

JOHN D. CLOUGH, MD *Editor-in-Chief*
LINDA K. HENGSTLER *Executive Editor/Associate Publisher*
PHILLIP E. CANUTO *Managing Editor*
RAY BORAZANIAN *Manuscript Editor*
DAVID A. HUDDLESTON *Manuscript Editor*
LOUISA R. PASKERT *Editorial Assistant*
JACQUELINE R. WERNER *Editorial Assistant*

EDITORIAL ADVISORY BOARD

MUZAFFAR AHMAD, MD
WILMA FOWLER BERGFELD, MD
EMMANUEL L. BRAVO, MD
RAY W. GIFFORD, JR, MD
WILLIAM R. HART, MD
ERIC A. KLEIN, MD
FLOYD D. LOOP, MD
DOUGLAS S. MOODIE, MD
RICHARD H. NODAR, PHD
WILLIAM L. PROUDFIT, MD
WILLIAM C. SHELDON, MD
ERIC J. TOPOL, MD
HERBERT P. WIEDEMANN, MD
MARK ROTH, MD
CATHY A. SILA, MD
FRANCK SKOBIERANDA, MD
HOLLY L. THACKER, MD
JAMES THOMAS, MD
ANA VANN, PHARMD
DONALD G. VIDT, MD
WILLIAM S. WILKE, MD
JAMES B. YOUNG, MD
ZOBAIR YOUNOSSI, MD

ASSOCIATE EDITORS

DAVID BRONSON, MD
BEN H. BROUHARD, MD
WILLIAM D. CAREY, MD
WILLIAM A. CHILCOTE, MD
RONALD E. DOMEN, MD
BRIAN G. DONLEY, MD
STEVEN M. GORDON, MD
GARY HOFFMAN, MD
BYRON J. HOOGWERF, MD
MANI S. KAVURU, MD
ANGELO A. LICATA, MD, PHD
DAVID L. LONGWORTH, MD
STEPHEN MAHONEY, MD
MAURIE MARKMAN, MD
PETER J. MAZZONE, MD
ATUL C. MEHTA, MD
NEIL B. MEHTA, MD
FRANKLIN A. MICHOTA, MD
CRAIG D. NIELSEN, MD
STEVEN NISSEN, MD
ROBERT M. PALMER, MD
NORMAN B. RATLIFF, MD
S. SETHU K. REDDY, MD

EDITORIAL STAFF

THOMAS A. LANG
Editorial Services Manager

BRUCE M. MARICH
Production Manager

KATHRYN MULDOON
Reprints

MEDICAL ART DIRECTOR

ROBERT J. DEMAREST

MEDICAL ILLUSTRATOR

NANCY HEIM, CMI

CLEVELAND CLINIC FOUNDATION DIVISION OF EDUCATION

ANDREW J. FISHLEDER, MD
Chairman

PHILLIP R. GARD
Administrator

The *Cleveland Clinic Journal of Medicine* (ISSN 0891-1150) is published 10 times yearly by The Cleveland Clinic Foundation.

STATEMENTS AND OPINIONS expressed in the *Cleveland Clinic Journal of Medicine* are those of the authors and not necessarily of The Cleveland Clinic Foundation or its Board of Trustees.

CONFLICTS OF INTEREST: Current guidelines state that participants in CME activities should be made aware of any affiliation or financial interest that may affect an author's article. Each author has been requested to complete a conflict of interest statement. The names of any authors declaring a potential conflict of interest are indicated with an asterisk.

SUBSCRIPTION RATES: U.S. and possessions: personal $70; institutional $90; single copy/back issue $10. Foreign: $90; single copy/back issue $12. Institutional (multiple-reader rate) applies to libraries, schools, hospitals, and federal, commercial, and private institutions and organizations. Individual subscriptions must be in the names of, billed to, and paid by individuals.

POSTMASTER ADDRESS CHANGES: *Cleveland Clinic Journal of Medicine*, EE37, 9500 Euclid Avenue, Cleveland, OH 44195

SUBSCRIPTIONS, EDITORIAL, REPRINTS, AND PRODUCTION: (same address as above)
Phone (216) 444-2661 • **Fax** (216) 444-9385 • **E-mail**, ccjm@cesmtp.ccf.org
http://www.ccf.org/ed/ccjm/ccjhome.htm

ADVERTISING: Joseph Dennehy, Director, Sales and Marketing, 120 Castle Ridge Rd, Manhasset, NY 11030 • Phone (516) 365-8640 • Fax (516) 365-0587

AMP

COPYRIGHT© 1998 THE CLEVELAND CLINIC FOUNDATION
PRINTED IN U.S.A.

CONTINUED FROM PAGE 229

INTERPRETING KEY TRIALS

The EPILOG trial: Abciximab prevents ischemic complications during angioplasty 267

The platelet glycoprotein IIb/IIIa inhibitor abciximab, together with heparin in a low, weight-adjusted dose, markedly reduced the risk of acute ischemic complications during angioplasty, without increasing the risk of hemorrhage.

M.T. ROE AND D.J. MOLITERNO

THE CLINICAL PICTURE

Radiographic findings in Paget's disease of bone 273

Often Paget's disease of bone is asymptomatic and is detected during radiograph or laboratory testing for another complaint.

G.S. HOFFMAN

EDITORIAL

Cancer information and the Internet: Benefits and risks 274

The Internet has potential to educate the public about health care, but also can harm through misleading and deceptive information.

M. MARKMAN

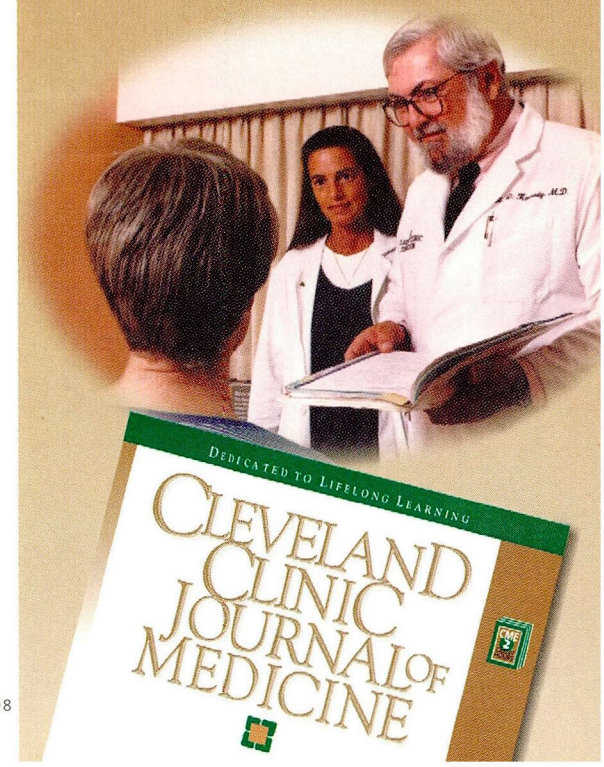
IN MEMORIAM

Joseph M. Cash, MD 266

DEPARTMENTS

Dear Colleague 226
Change of Address 236
CME Calendar 250
Letters to the Editor 277
CME Credit Test 279

The *Cleveland Clinic Journal of Medicine* is peer reviewed and indexed in *Index Medicus*.

UPCOMING FEATURES

- **Beta-blockers and heart failure**
  Once beta-blockers were contraindicated for heart failure, but this is changing.
- **Colorectal cancer screening**
  Making sense of the different guidelines for risk stratification and screening.
- **Post-transplantation infectious disease: Messages for the generalist**
  Some tips for detecting and treating common problems early.
- **Myths and facts about cardiovascular disease**
  Myths about cardiovascular disease are undermining prevention and research efforts.