



TABLE OF CONTENTS

FROM THE EDITOR

A pox upon human folly

79

In mass smallpox vaccination, the choices aren't pretty or easy

J.D. CLOUGH

EDITORIAL

Pre-event smallpox vaccination: Unresolved issues

80

We are on the verge of the first phase of nationwide smallpox vaccination, but many questions remain unanswered.

S.M. GORDON

EDITORIAL

Vertebral compression fractures: What time destroys, methylmethacrylate may mend

88

The sequelae of osteoporosis present numerous clinical challenges; several new surgical options show promise.

C.M. BONO

1-MINUTE CONSULT



Brief answers to specific clinical questions

What are the key issues women face when ending hormone replacement therapy?

93

A logical approach is to review why the patient is on HRT and to consider alternatives.

W.H. UTIAN

What is the appropriate treatment for Dupuytren contracture?

96

The diseased tissue is either watched with benign neglect or surgically excised.

T.R. HUNT III

How do you manage a healthy, asymptomatic, 24-year-old patient with a positive RPR on a premarital blood test?

101

A positive rapid plasma reagin must be confirmed or refuted, but if the history, physical, and laboratory studies are negative, there is a great chance it was falsely positive.

S.B. MOSSAD

CONTINUED ON PAGE 76

CLEVELAND CLINIC JOURNAL OF MEDICINE



JOHN D. CLOUGH, MD *Editor-in-Chief*
BRIAN F. MANDELL, MD, PHD *Deputy Editor*
PETER G. STUDER *Publisher*
PHILLIP E. CANUTO *Executive Editor*
GLENN R. CAMPBELL *Executive Editor*
RAY BORAZANIAN *Managing Editor*
DAVID A. HUDDLESTON *Manuscript Editor*
AMY SLUGG MOORE *Patient Education Editor*
BRUCE M. MARICH *Production Manager*
ROBERT J. DEMAREST *Medical Art Director*
JOSEPH A. PANGRACE *Medical Illustrator*
DAVID R. SCHUMICK *Medical Illustrator*
JOSEPH KANASZ *Medical Illustrator*
IRIS TRIVILINO *Department Coordinator*
LASONYA CRAWL *Billing/Accounting*

EDITORIAL ADVISORY BOARD

MUZAFFAR AHMAD, MD
WILMA FOWLER BERGFELD, MD
EMMANUEL L. BRAVO, 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

MANDY C. LEONARD, PHARM D
ANGELO A. LICATA, MD, PHD
DAVID L. LONGWORTH, MD
MAURIE MARKMAN, MD
ATUL C. MEHTA, MD
NEIL B. MEHTA, MD
FRANKLIN A. MICHOTA, MD
STEVEN NISSEN, MD
ROBERT M. PALMER, MD
NORMAN B. RATLIFF, MD
S. SETHU K. REDDY, MD
MARK E. ROSE, MD
MARK ROTH, MD
DOUGLAS SEIDNER, MD
CATHY A. SILA, MD
HOLLY L. THACKER, MD
JAMES THOMAS, MD
DONALD G. VIDT, MD
WILLIAM S. WILKE, MD
MARC WILLIAMS, MD
JAMES B. YOUNG, MD

ASSOCIATE EDITORS

ALEJANDRO C. ARROLIGA, MD
DAVID BRONSON, MD
WILLIAM D. CAREY, MD
BRIAN A. CLARK, PHD, MD
BRIAN G. DONLEY, MD
GARY FRANCIS, MD
KATHLEEN FRANCO-BRONSON, MD
STEVEN M. GORDON, MD
BRIAN GRIFFIN, MD
GARY HOFFMAN, MD
BYRON J. HOOGWERF, MD
MANI S. KAVURU, MD
RITA S. LEE, MD

CLEVELAND CLINIC
FOUNDATION DIVISION
OF EDUCATION
ANDREW J. FISHLER, MD
Chairman
PHILLIP R. GARD
Administrator

REPRINTS: Marsha Fogler 1-800-482-1450 mfofeg@medicalreprints.com

The *Cleveland Clinic Journal of Medicine* (ISSN 0891-1150) is published 12 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.

SUBSCRIPTION RATES: U.S. and possessions: personal \$98; institutional \$124; single copy/back issue \$16. Foreign: \$124; single copy/back issue \$16. 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*, NA32, 9500 Euclid Avenue, Cleveland, OH 44195

SUBSCRIPTIONS, EDITORIAL, BILLING/ACCOUNTING AND PRODUCTION: (same address as above) Phone (216) 444-2661 Fax (216) 444-9385 E-mail ccjm@ccf.org http://www.ccjm.org

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

AUTHORIZATION TO PHOTOCOPY items for internal or personal use is granted by the *Cleveland Clinic Journal of Medicine*, ISSN 0891-1150, published by The Cleveland Clinic Foundation, provided that the appropriate fee is paid directly to Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923 USA 978-750-8400. Prior to photocopying items for educational classroom use, please contact Copyright Clearance Center, Inc., at the address above. For permission to reprint material, please fax your request with complete information to the Reproduction department at CCC, fax (978) 750-4470. For further information visit CCC Online at http://www.copyright.com. To order bulk reprints, see above.

DISCLAIMER: This information is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to the diagnostic and treatment options of a specific patient's medical condition. In no event will The Cleveland Clinic Foundation be liable for any decision made or action taken in reliance upon the information provided through this activity.



COPYRIGHT© 2003 THE CLEVELAND CLINIC FOUNDATION PRINTED IN U.S.A.



CONTINUED FROM PAGE 74

CLINICAL PICTURE

Worsening shortness of breath 104

ECGs from a 58-year-old man with type 2 diabetes who presents to the emergency room with dyspnea.

M. SHAAROU AND C.M. RIMMERMAN

REVIEW

Fungal nail infection: Assessing the new treatment options 110

Newer antifungal agents are more effective and better tolerated than older agents.

G. BOTEK

REVIEW

Challenges and choices in drug therapy for chronic pain 119

Chronic pain is different from acute pain, and its treatment is more challenging.

S.M. FISHMAN AND D. TEICHERA

MEDICAL GRAND ROUNDS

Improving care of chronic heart failure: Advances from drugs to devices 141

The right combination of drugs and surgical treatment can improve systolic function and prevent, attenuate, or reverse heart failure.

R.C. STARLING

REVIEW

**Vertebral compression fractures: Manage aggressively to prevent sequelae** 147

Advances in preventing and managing acute vertebral compression fractures can reduce their devastating impact, even in the face of an aging population.

D.J. MAZANEC, V.K. PODICHETTY, A. MOMPOINT, AND A. POTNIS

DEPARTMENTS

CME Calendar 140**2002 Reviewers** 157**Classified Advertisements** 158**CME Self-test-Online** 159

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

UPCOMING FEATURES

- **ALLHAT:** Are diuretics the best BP drugs after all?
- **West Nile fever:** What the 2002 epidemic taught us
- **Parathyroid hormone** for treating osteoporosis
- **Microalbuminuria:** A new coronary risk factor
- **Bone density:** Behind the numbers
- **Practical tips** for warfarin dosing
- **Prostate supplements:** Promise or hype?
- **A call to action** on chronic kidney disease
- **A rational approach** to fecal incontinence

■ VISIT OUR WEB SITE AT [HTTP://WWW.CCJM.ORG](http://www.ccjm.org)

