



# TABLE OF CONTENTS

## FROM THE EDITOR

### C-reactive protein: It's back 475

Who would have thought that CRP, long used in rheumatology, would be a marker of coronary disease?

J.C. CLOUGH

## 1-MINUTE CONSULT



### Brief answers to specific clinical questions

### ■ When should digoxin be used in patients with diastolic dysfunction? 481

Treatment with digoxin must be individualized.

M.H. YAMANI

### ■ Is glucosamine an effective treatment for osteoarthritic pain? 494

Glucosamine shows promise, but studies had flaws that render much of the data inconclusive.

M. HOOPER

## MEDICAL GRAND ROUNDS

### The promise and reality of nitric oxide in the diagnosis and treatment of lung disease 486

Extensive research has shown mixed results.

R.A. DWEIK

## MEDICAL GRAND ROUNDS

### Microbial drug resistance and the roles of the new antibiotics 496

Indiscriminate use of broad-spectrum antibiotics such as vancomycin and quinolones is promoting antibiotic resistance.

D.L. LONGWORTH

## REVIEW

### Inflammatory myopathies: Narrowing the differential diagnosis 505

How to differentiate inflammatory myopathy from other causes of muscle weakness.

K. RENDT

## REVIEW

### C-reactive protein: A 'golden marker' for inflammation and coronary artery disease 521

Elevated levels of CRP are associated with increased cardiovascular risk.

V.B. PATEL, M.A. ROBBINS, AND E.J. TOPOL CONTINUED ON PAGE 478

# CLEVELAND CLINIC JOURNAL OF MEDICINE



JOHN D. CLOUGH, MD *Editor-in-Chief*  
BRIAN F. MANDELL, MD, PhD *Deputy Editor*  
LINDA K. HENGSTLER *Editor and Publisher*  
PHILLIP E. CANUTO *Executive Editor*  
RAY BORAZANIAN *Managing Editor*  
DAVID A. HUDDLESTON *Manuscript Editor*  
AMY SLUGG MOORE *Patient Education Editor*  
BRUCE M. MARICH *Production Manager*  
JOHN E. PRESSELLO *Art Director*  
ROBERT J. DEMAREST *Medical Art Director*  
JOSEPH A. PANGRACE *Medical Illustrator*  
DAVID R. SCHUMICK *Medical Illustrator*  
ERMA RICHARDSON *Department Coordinator*  
IRIS OTERO *Editorial Assistant*  
AUDRA HASKINS *Billing/Accounting/Reprints*

## 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. SHELTON, MD  
ERIC J. TOPOL, MD  
HERBERT P. WIEDEMANN, MD

MANI S. KAVURU, MD  
MANDY C. LEONARD, PHARM  
ANGELO A. LICATA, MD, PHD  
DAVID L. LONGWORTH, MD  
STEPHEN MAHONEY, 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 ROTH, MD  
DOUGLAS SEIDNER, MD  
CATHY A. SILA, MD  
FRANCK SKOBIERANDA, MD  
HOLLY L. THACKER, MD  
JAMES THOMAS, MD  
DONALD G. VIDT, MD  
WILLIAM S. WILKE, MD  
MARC WILLIAMS, MD  
JAMES B. YOUNG, MD  
ZOBAIR YOUNOSSI, MD

## ASSOCIATE EDITORS

ALEJANDRO C. ARROLIGA, MD  
AMJAD ALMAHAMEED, MD  
DAVID BRONSON, MD  
BEN H. BROUHARD, MD  
WILLIAM D. CAREY, MD  
WILLIAM A. CHILCOTE, 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  
SYEDA R. INAMDAR, MD

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

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.

AUTHOR DISCLOSURES: 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 as well as any discussion of off-label drug therapies. All authors, except those indicated with an asterisk and a footnote with the article, have disclosed that they do not have a conflict of interest or will not discuss off-label therapies.

SUBSCRIPTION RATES: U.S. and possessions: personal \$90; institutional \$113; single copy/back issue \$13. Foreign: \$113; single copy/back issue \$13. 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, REPRINTS, BILLING/ACCOUNTING AND PRODUCTION: (same address as above) Phone (216) 444-2661 Fax (216) 444-9385 E-mail ccjm@ccc.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.







CONTINUED FROM PAGE 476

## EDITORIAL

## C-reactive protein elevation 535 can be caused by conditions other than inflammation and may reflect biologic aging

CRP elevations are a sensitive test for inflammation, but are not specific.

I. KUSHNER

## EDITORIAL

## Evidence of smoke and atherosclerotic fire 538

Why it is premature to extend the clinical use of the highly sensitive CRP assay as a test for coronary disease.

B.F. MANDELL

## REVIEW

## It's a rave new world: 541 Rave culture and illicit drug use in the young

New and potentially dangerous illicit drugs are popular among young people today.

E.S. ROME

PATIENT  
INFORMATION

## Date rape drugs: 551 What parents should know

## EMERGING INFECTIONS

## West Nile fever: Here to stay and spreading 553

Most cases are asymptomatic, but some patients develop encephalitis or even die. Public health measures are paramount.

J. PILE

## IM BOARD REVIEW

## Anticoagulation therapy in an elderly woman 561 with atrial fibrillation

What is the cause of this patient's symptoms?  
A self-test on a clinical case.

A. MARSCHALK AND B.J. MESSINGER-RAPPORT

## REVIEW

## Using aspirin and ACE inhibitors 569 in combination: Why the hullabaloo?

Preliminary, mostly observational data indicate that aspirin may counteract ACE inhibitors. We offer recommendations.

J.G. PETERSON AND M.S. LAUER

## DEPARTMENTS

## CME Calendar 568

## CME Credit Test 575

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

# UPCOMING FEATURES

- A physician's guide to low-carbohydrate diets
- Mitochondrial diseases: A cellular energy crisis
- Should beta agonists be used in COPD?
- Social anxiety disorder: Beyond shyness
- Medical care of heart valve disease
- Recognizing drug-induced lung disease
- Does noninvasive ventilation improve outcomes?
- HIV anemia: A primer
- Preventing and treating pressure ulcers

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

