



TABLE OF CONTENTS

FROM THE EDITOR.....

We try to walk the line 504

Whenever we publish a review of a new drug, we run the risk of being perceived as promoting the drug.

B. F. MANDELL

REVIEW.....

'I'm not that sick!' Overcoming the barriers to hospice discussions 517

We describe the role and services of hospice care, explore misconceptions about hospice and barriers to discussing the issue, and suggest ways to facilitate conversations with patients with terminal illness.

K. M. RUSSELL AND S. B. LEGRAND

CARDIOVASCULAR BOARD REVIEW.....

An elderly man with syncope caused by right ventricular infarction and anomalous coronary vasculature 527

Up to half of inferior infarctions involve the right ventricle. Typical signs of right ventricular infarction include hypotension, jugular venous distention, clear lung fields, ST-segment depression in V₁ and V₂, and elevations in V₃R and V₄R.

Y. KIM, T. H. WANG, A. ASKARI, AND M. S. PENN

MEDICAL GRAND ROUNDS.....

Sexually transmitted diseases 2006: A dermatologist's view 537

How to recognize, diagnose, and manage common sexually transmitted diseases, and how their presentation and treatment differ in patients with human immunodeficiency virus.

T. ROSEN

THE CLINICAL PICTURE.....

A young man with unexplained dyspnea 554

He has Wegener granulomatosis, and pulmonary function testing shows flattening of the inspiratory and expiratory limbs of his flow-volume loop. What is the cause?

F. ZAHR, A. C. MEHTA, AND O. A. MINAI

1-MINUTE CONSULT.....

Should beta-blockers be discontinued when a patient is admitted to the hospital with acutely decompensated heart failure? 557

Hard data on this topic are scant, but the answer depends on the patient's perfusion status and vital signs.

W. H. FARES AND A. ANEJA

CONTINUED ON PAGE 502

CLEVELAND CLINIC JOURNAL OF MEDICINE



EDITORIAL STAFF

BRIAN F. MANDELL, MD, PhD *Editor-in-Chief*
DAVID D. K. ROLSTON, MD *Deputy Editor*
PHILLIP E. CANUTO *Executive Editor*
RAY BORAZANIAN *Managing Editor*
DAVID A. HUDDLESTON *Manuscript Editor*
JOSEPH A. PANGRACE *Medical Art Director*
AMY SLUGG MOORE *Patient Education Editor*

PUBLISHING OPERATIONS

PETER G. STUDER *Publisher*
BRUCE M. MARICH *Production Manager*
IRIS TRIVILINO *Department Coordinator*
LAURIE WEISS *Billing/Accounting*

CUSTOM PROGRAMS

GLENN R. CAMPBELL *Executive Editor*
WAYNE KUZNAR *Editorial Project Leader*
KATHY DUNASKY *Department Coordinator*

ASSOCIATE EDITORS

ALEJANDRO C. ARROLIGA, MD
ARMAN T. ASKARI, MD
DAVID BRONSON, MD
DANIEL J. BROTMAN, MD
WILLIAM D. CAREY, MD
GARY FRANCIS, MD
KATHLEEN FRANCO-BRONSON, MD
STEVEN M. GORDON, MD
BRIAN GRIFFIN, MD
THOMAS J. HELTON, DO
GARY HOFFMAN, MD
BYRON J. HOOGWERF, MD
AMIR JAFFER, MD
GURJIT KAUR, DO
DERK W. KRIEGER, MD
MANDY C. LEONARD, PharmD
ANGELO A. LICATA, MD, PhD
FRANCISCO J. MARRERO, MD
ATUL C. MEHTA, MD
FRANKLIN A. MICHOTA, MD
ROBERT M. PALMER, MD

S. SETHU K. REDDY, MD
DOUGLAS SEIDNER, MD
BERNARD J. SILVER, MD
DONALD G. VIDT, MD
WILLIAM S. WILKE, MD
MARC WILLIAMS, MD

EDITORS EMERITI

JOHN D. CLOUGH, MD
HERBERT P. WIEDEMANN, MD
JAMES S. TAYLOR, MD

CLEVELAND CLINIC

DELOS M. COSGROVE, MD
President and Chief Executive Officer

CLEVELAND CLINIC

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

REPRINTS: Laurie Weiss 216-444-2661 E-mail ccjm@ccf.org

Cleveland Clinic Journal of Medicine (ISSN 0891-1150) is published monthly by the Cleveland Clinic from editorial offices at 9500 Euclid Avenue, Cleveland, Ohio 44195. Application to mail at Periodicals Postage Rates is pending at Cleveland, Ohio, and at additional mailing offices. POSTMASTER: Send address changes to the *Cleveland Clinic Journal of Medicine*, NA32, 9500 Euclid Avenue, Cleveland, OH 44195

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

SUBSCRIPTION RATES: U.S. and possessions: personal \$103; institutional \$129; single copy/back issue \$18. Foreign: \$129; single copy/back issue \$18. 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.

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 E-mail JoeDennehy24@aol.com

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 Cleveland Clinic be liable for any decision made or action taken in reliance upon the information provided through this activity.





CONTINUED FROM PAGE 500

REVIEW

Evaluating and managing adrenal incidentalomas 561

When an adrenal mass is found unexpectedly on imaging in a patient with no other evidence of adrenal disease, how can one determine if it is clinically benign or needs treatment?

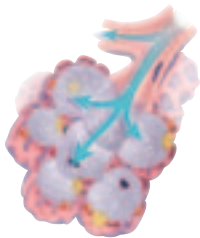
T. GOPAN, E. REMER, AND A.H. HAMRAHIAN

REVIEW

Inhaled human insulin: An inspiration for patients with diabetes mellitus? 569

We discuss the pharmacology, efficacy, important clinical trials, and practical aspects of inhaled insulin, and potential concerns associated with its use.

M.B. DAVIDSON, A.E. MEHTA, AND E.S. SIRAJ



EDITORIAL

Inhaled human insulin: Coup or caution? 580

Inhaled human insulin is a big step forward, but it comes with cautions, concerns, and additional responsibilities.

J.K. STOLLER

IMAGING IN PRACTICE

Diagnostic imaging: Radiation dose and patients' concerns 583

Radiologic procedures carry small but real risks from radiation exposure. What should we tell patients?

D. LOCKWOOD, D. EINSTEIN, AND W. DAVROS

PATIENT-ORIENTED EVIDENCE THAT MATTERS (POEMs)

Intensive insulin is helpful only if ICU stay is 3 days or more 510

Obesity does not affect 5-year knee replacement outcomes 512

Management of antiphospholipid antibody syndrome 513

Droperidol is a better antiemetic than metoclopramide or prochlorperazine 560

DEPARTMENTS

CME Calendar 506

Letter to the Editor 587

Thiazolidinediones and heart failure (April 2006).

Correction 588

Thiazolidinediones and heart failure (April 2006).

CME Self-test Online 590

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

UPCOMING FEATURES

- Uses and misuses of heel ultrasound data in osteoporosis
- Drugs for alcoholism: Good concept, but modest benefit
- MRI of the heart: Promises fulfilled?
- Women's Health Study: Are aspirin and vitamin E protective?
- Toward rational therapy of neuropathic pain
- When children with cystic fibrosis grow up
- Sinusitis: Allergies, antibiotics, aspirin, asthma
- Are statins beneficial in acute coronary syndromes?

VISIT OUR WEB SITE AT WWW.CCJM.ORG

DEDICATED TO LIFELONG LEARNING
CLEVELAND
CLINIC
JOURNAL OF
MEDICINE