

# CLEVELAND CLINIC JOURNAL OF MEDICINE

## EDITORIAL STAFF

BRIAN F. MANDELL, MD, PhD *Editor-in-Chief*  
TIMOTHY GILLIGAN, MD, MS *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 *Executive Publisher*  
KRISTI THOMSEN *Exec. Editor, Special Assignments*  
BRUCE M. MARICH *Production Manager*  
IRIS TRIVILINO *Department Coordinator*  
LAURIE WEISS *Accountant (Billing)*

## CUSTOM PROGRAMS

GLENN R. CAMPBELL *Executive Editor*  
KATHY DUNASKY *Production Manager*

## ASSOCIATE EDITORS

ALEJANDRO C. ARROLIGA, MD  
ARMAN T. ASKARI, MD  
DANIEL J. BROTMAN, MD  
WILLIAM D. CAREY, MD  
RUTH M. FARRELL, MD, MA  
GARY FRANCIS, MD  
KATHLEEN FRANCO-BRONSON, MD  
STEVEN M. GORDON, MD  
BRIAN GRIFFIN, MD  
AMIR JAFFER, MD  
MANDY C. LEONARD, PharmD  
ANGELO A. LICATA, MD, PhD  
ATUL C. MEHTA, MD  
FRANKLIN A. MICHOTA, MD  
ROBERT M. PALMER, MD  
HATAYA POONYAGARIYAGORN, MD  
DAVID D. K. ROLSTON, MD  
BERNARD J. SILVER, MD  
THEODORE SUH, MD, PhD, MHS  
RACHEL M. TALIERCIO, DO

ALEXANDRA VILLA-FORTE, MD, MPH  
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

EDUCATION INSTITUTE  
BRIAN F. MANDELL, MD, PhD  
*Acting Chairman*  
PHILLIP R. GARD  
*Administrator*

REPRINTS: Laurie Weiss 216-444-2661 E-mail [ccjm@ccf.org](mailto:ccjm@ccf.org)

*Cleveland Clinic Journal of Medicine* [ISSN 0891-1150 (print), ISSN 1939-2869 (online)] is published monthly by Cleveland Clinic from editorial offices at 9500 Euclid Avenue, Cleveland, OH 44195. Periodicals postage paid at Cleveland, OH, 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 \$115; institutional \$143; single copy/back issue \$20. Foreign: \$160; single copy/back issue \$20. 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](mailto:ccjm@ccf.org) • Web site [www.ccjm.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 [joedennehy@verizon.net](mailto:joedennehy@verizon.net)

AUTHORIZATION TO PHOTOCOPY items for internal or personal use is granted by the *Cleveland Clinic Journal of Medicine* [ISSN 0891-1150 (print), ISSN 1939-2869 (online)], published by Cleveland Clinic, 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 Republication department at CCC, fax (978) 750-4470. For further information visit CCC online at [www.copyright.com](http://www.copyright.com). To order bulk reprints, see above.

DISCLAIMER: The information in this educational activity is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition. The viewpoints expressed in this CME activity are those of the authors. They do not represent an endorsement by The Cleveland Clinic Foundation. 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 CME activity.

COPYRIGHT © 2009 THE CLEVELAND CLINIC FOUNDATION. ALL RIGHTS RESERVED. PRINTED IN U.S.A.

AMM



APRIL 2009

# TABLE OF CONTENTS

FROM THE EDITOR .....

## Spring brings changes to CCJM 214

This month, we welcome our new deputy editor Dr. Timothy Gilligan and our new editorial board member Dr. Theodore Suh.

B.F. MANDELL

THE CLINICAL PICTURE.....

## Multiple huge bullae after renal transplant 221

The patient received a kidney transplant 3 months ago and is taking immunosuppressant drugs. What is the most likely diagnosis?

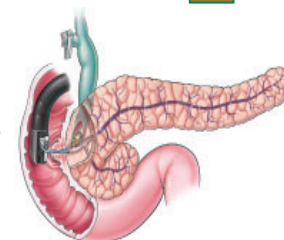
M.-J. TSAI, H.-T. KUO, AND H.-C. CHEN

REVIEW .....

## Endoscopic therapy of recurrent acute pancreatitis 225

Endoscopic therapy is an alternative to surgery for some patients with acute recurrent pancreatitis, ie, those whose disease is caused by gallstones or other mechanical processes that can obstruct outflow from the pancreas.

M.A. PARSI, T. STEVENS, J.A. DUMOT, AND G. ZUCCARO, JR



REVIEW .....

## Polly can make you sick: Pet bird-associated diseases 235

Bird owners are at risk of a number of bacterial, protozoal, fungal, viral, and parasitic zoonoses. We review the presentation, evaluation, and basic treatment of these diseases.

K.S. JORN, K.M. THOMPSON, J.M. LARSON, AND J.E. BLAIR



CONTINUED ON PAGE 212

CONTINUED FROM PAGE 211

**CME CREDIT** REVIEW ..... 245

**What can we expect from omega-3 fatty acids?**

Many patients are taking fish oil supplements, either on their own initiative or on their physicians' advice. Driving this trend is accumulating evidence that these lipids actually reduce cardiovascular risk.

E.J. CHAN AND L. CHO

**CME CREDIT** 1-MINUTE CONSULT ..... 252

**What is the utility of measuring the serum ammonia level in patients with altered mental status?**

If you already know that the patient has decompensated liver disease, then measuring the ammonia level has little value.

H.M. ELGOUHARI AND R. O'SHEA

CURRENT DRUG THERAPY ..... 255

**Pregabalin for fibromyalgia: Some relief but no cure**

How will pregabalin (Lyrica) fit into the treatment of this challenging disease?

L. KIM, S. LIPTON, AND A. DEODHAR

DEPARTMENTS ..... 218

**Letters to the editor**

**Barium esophagography**

**CME calendar**

**About our CME Self-test Online**

To receive CME credit, read the selected articles in this issue and then go online to take the test. It should take about 1 hour and 30 minutes to complete this activity. Release date: April 1, 2009. Expiration date: March 31, 2010.

# UPCOMING FEATURES

- **Osteoporosis: Bone quality is more than density**
- **Advance care planning: Beyond the living will**
- **Small fiber neuropathy: A burning problem**
- **Cell phone elbow**
- **When and how to image a broken rib**
- **Coronary grafting, stents, or medical therapy: Which patients benefit?**
- **Peripartum cardiomyopathy: Causes, diagnosis, and treatment**
- **Is cardiac telemetry overused?**

