JANUARY 1999

VOLUME 66 • NUMBER 1 • ISSN 0891-1150

TABLE OF CONTENTS

MEDICAL GRAND ROUNDS

Deep brain stimulation reduces symptoms of Parkinson disease

9

15

19

27

When medications fail to control the symptoms of Parkinson disease, either surgery or a small implanted electrical device can help. With an illustration of how deep brain stimulation works.

E.B. MONTGOMERY, JR.

INTERNAL MEDICINE BOARD REVIEW

A 47-year-old man with leiomyosarcoma and altered mental status

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

H.S. GURM AND G.T. BUDD

REVIEW

Underused options for preventing and treating influenza

We have the means to prevent most cases of influenza, and to reduce the severity of cases that occur.

S.B. MOSSAD

INTERPRETING KEY TRIALS

Zinc lozenges for the common cold

Clinical trials of zinc cold therapy have produced conflicting results.

M.L. MACKNIN

The Breast Cancer Prevention Trial (P-1 study): 33 The role of tamoxifen in preventing breast cancer

Tamoxifen can reduce the incidence of breast cancer by nearly half in women at high risk, but at the price of increased endometrial cancer and thromboembolism. An illustration shows the differing effects of tamoxifen in different organs.

B.A. OVERMOYER

2

CONTINUED ON PAGE 4

DEDICATED TO LIFELONG LEARNING



EDITORS

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

EDITORIAL ADVISORY BOARD

MUZAFFAR AHMAD, VD WILMA FOWLER BERGFELD, MD EMMANUEL L. BRAVO, MD RAY W. GIFFORD, JR, MD RAY W. GIFFORD, JR, MD ERIC A. KLEIN, MD FLOYD D. LOOP, MD DOUGLAS S. MOODIE MD RICHARD H. NODAR, PHD WILLIAM C. SHELDON, MD ERIC J. TOPOL, MD HERBERT P. WIEDEMANN, MD

ASSOCIATE EDITORS

DAVID BRONSON, MD REN H BROUHARD ND WILLIAM D. CAREY, ND WILLIAM A. CHILCOTE, MD AMANDA L. CURNOCK, MD RONALD E. DOMEN, MD BRIAN G. DONLEY, MD GARY FRANCIS, MD STEVEN M. GORDON, MD GARY HOFFMAN, MD BYRON J. HOOGWERF, MD ANIL K. JAIN. MD MANI S. KAVURU, MD MANDY C. LEONARD, PHARMD 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

VAKESH RAJANI, MD NORMAN B. RATLIFF, MD S. SETHU K. REDDY, MD MARK ROTH, 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

EDITORIAL STAFF JESSICA ANCKER Editorial Services

BRUCE M. MARICH Production Manager

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 INTERIST: 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 disclosure form. 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, EDITORAL, REPRINTS, AND PRODUCTION: (same address as above) Phone (216) 444-2661 • Fax (216) 444-9385 • E-mail, ccjm@cesmtp.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

COPYRIGHT© 1999 THE CLEVELAND CLINIC FOUNDATION PRINTE⊮ N U.S.A.

CONTINUED FROM PAGE 2

REVIEW

Constipation: An approach to diagnosis, treatment, referral

A stepwise, empiric approach suffices in most cases, but specialized testing is available for the minority of patients with severe, refractory constipation.

E.E. SOFFER

REVIEW

Complications of sickle cell anemia in adults: Guidelines for effective management

Patients with sickle cell disease are surviving longer, but still face a lifetime of complications and crises.

S.K. BALLAS

CANCER DIAGNOSIS AND MANAGEMENT

Diagnosis and management of superior vena cava syndrome

The first manifestations of lung cancer or lymphoma may be due to compression of the superior vena cava.

M. MARKMAN

DEPARTMENTS

Dear Colleague 7 CME Calendar 8 CME Credit Test 63

VISIT OUR WEB SITE AT HTTP://WWW.CCJM.ORG

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

Evaluating back pain in the elderly

Sorting out the myriad potential causes of this common complaint.

Colorectal cancer screening Making sense of the different guidelines for risk stratification and screening.

The HOT study

41

48

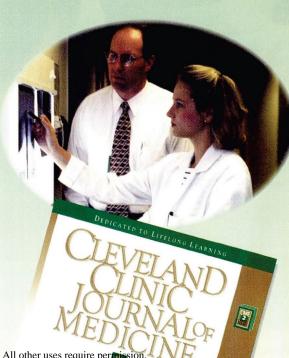
59

In hypertension, how far should blood pressure be lowered?

Falls in the elderly

A step-by-step approach to evaluating the cause of a fall and preventing future falls.

Steroid-induced osteoporosis Start thinking about osteoporosis as soon as you put someone on long-term steroids.



4 CLEVELAND CLINIC JOURNAL OF MEDICINE VOLUME 66 • NUMBER 1 JANUARY 1999 Downloaded from www.ccjm.org on May 2, 2025. For personal use only. All other uses require pertines