

ARCHIVES OF NEUROLOGY

VOL 51 NO. 1, JAN 1994

Books

- Cerebrospinal Fluid in Diseases of the Nervous System** 10
Robert A. Fishman,
Reviewed by Richard A. Rudick, MD
- The Adult Spine: Principles & Practice** 10
John W. Frymoyer (ed),
Reviewed by Donald P. Chan, MD
- Basic Neuroscience** 11
Arthur C. Guyton, Reviewed by Curtis Benesch, MD
- Advances in Biochemical Pharmacology** 11
Giovanni Biggio, Alessandra Concas, and
Erminio Costa (eds),
Reviewed by Jean M. Bidlack, PhD

Letters to the Editor

- Is Heparin Really Indicated in Bacterial Meningitis?** 13
Harold B. Goldman, MD
- In Reply** 13
Hans-Peter Haring, MD; Klaus Berek, MD;
Andreas Kampfl, MD; Bettina Pfausler, MD;
Erich Schmutzhard, MD

Original Contributions

- Survival in Amyotrophic Lateral Sclerosis: The Role of Psychological Factors** 17
Evelyn R. McDonald, MS; Sue A. Wiedenfeld, PhD;
Al Hillel, MD; Catherine L. Carpenter, MPH;
Rhoda A. Walter, MS
- Normal Activation of Frontotemporal Language Cortex in Dyslexia, as Measured With Oxygen 15 Positron Emission Tomography** 27
Judith M. Rumsey, PhD; Alan J. Zametkin, MD;
Paul Andreason, MD, MS; Ashley P. Hanahan, MPH;
Susan D. Hamburger, MA; Tracy Aquino, MA;
A. Catherine King; Anita Pikus, MA;
Robert M. Cohen, MD, PhD
- Severe Impairment Battery: A Neuropsychological Test for Severely Demented Patients** 41
Michel Panisset, MD; Michel Roudier, MD;
Judith Saxton, PhD; François Boller, MD, PhD
- Effect of Diagnostic Testing for Multiple Sclerosis on Patient Health Perceptions** 46
Paul O'Connor, MD, MSc, FRCPC;
Allan S. Detsky, MD, PhD, FRCPC;
Catherine Tansey, MSc;
Walter Kucharczyk, MD, FRCPC;
Rochester-Toronto MRI Study Group

American Medical Association

Physicians dedicated to the health of America



Copyright 1994 by the American Medical Association. All rights reserved. Reproduction without permission is prohibited.

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the policy of the American Medical Association, the Editorial Board, or the institution with which the author is affiliated, unless this is clearly specified.

James S. Todd, MD
Executive Vice President

Kenneth E. Monroe
Deputy Executive Vice President

Larry E. Joyce
Senior Vice President

George D. Lundberg, MD
Editor-in-Chief, Scientific Publications

Robert L. Kennett
Vice President, Publishing

Nawin Gupta, PhD
Director, Publishing Operations Division

Cheryl Iverson
Director, Editorial Processing Division

Michael D. Springer
Associate Publisher

John P. Cahill
Manager, Advertising Sales

Geoffrey A. Flick
Manager, Marketing Services

Advertising Offices: East: Phillip B. Altamore, Donald M. Blatherwick, John L. Reeves, 600 Third Ave, Suite 3700, New York, NY 10016 (212) 867-6640. **Diagnostics/Devices:** M. J. Mrvica Associates, 155 S White Horse Pike, Berlin, NJ 08009 (609) 768-7360. **Midwest/Far West:** Peter L. Payerli, 515 N State St, Chicago, IL 60610 (312) 464-2429.

A Randomized Trial of Test Result Sequencing in Patients With Suspected Multiple Sclerosis 53
Paul O'Connor, MD, MSc, FRCPC;
Catherine Tansey, MSc;
Walter Kucharczyk, MD, FRCPC;
Allan S. Detsky, MD, PhD, FRCPC;
Rochester-Toronto MRI Study Group

Clinical Diagnosis of Multiple Sclerosis: The Impact of Magnetic Resonance Imaging and Ancillary Testing 61
Daniel W. Giang, MD; Virginia M. Grow, MA;
Cathleen Mooney, MS, RN; Alvin I. Mushlin, MD, MSc;
Andrew D. Goodman, MD; David H. Mattson, MD, PhD;
Randolph B. Schiffer, MD; Rochester-Toronto Magnetic Resonance Study Group

The Value of Diagnostic Information to Patients With Suspected Multiple Sclerosis 67
Alvin I. Mushlin, MD, ScM; Cathleen Mooney, MS;
Virginia Grow, MA; Charles E. Phelps, PhD;
Affiliated With the Rochester-Toronto MRI Study Group

Tuberous Sclerosis in Western Sweden: A Population Study of Cases With Early Childhood Onset 76
Gunilla Ahlsén, MD; I. Carina Gillberg, MD;
Runa Lindblom, MD; Christopher Gillberg, MD

History of Neurology

The Importance of Spratling 82
Edward J. Fine, MD; Debra L. Fine, MA;
Lilli Sentz, MLS

Observations

One-and-a-half Syndrome, Type II 87
John E. Carter, MD, Ronald A. Rauch, MD

Dementia of Adult Polyglucosan Body Disease: Evidence of Cortical and Subcortical Dysfunction 90
Ziad Rifai, MD; Michael Klitzke, PhD;
Rabi Tawil, MD; Ann Marie Kazez, MD;
Sara Shanske, PhD; Salvatore DiMauro, MD;
Robert C. Griggs, MD

A Longitudinal Examination of Crossed Aphasia 95
Gustavo J. Rey, PhD; Bonnie E. Levin, PhD;
Raul Rodas, MD; Brian C. Bowen, MD, PhD;
Kester Nedd, DO

Regular Departments

Index to Advertisers 8

Calendar 9

Corrections 12, 60

Instructions for Authors 101

Classified Advertising 103

ARCHIVES

OF

NEUROLOGY

Editor:
Robert J. Joynt, MD, PhD
 601 Elmwood Ave
 Rochester, NY 14642

Associate Editors:
David Goldblatt, MD
 Rochester, NY
Vladimir Hachinski, MD, FRCPC, DScMed
 London, Ontario

Assistant Editors:
Richard Rudick, MD
 Cleveland, Ohio
Ira Shoulson, MD
 Rochester, NY

Editorial Assistants:
Nancy Baldwin
 Rochester, NY
Kathleen Pieper
 Rochester, NY

Section Editor:
*Controversies in Neurology/
 Consensus in Neurology*
Vladimir Hachinski, MD, FRCPC, DScMed
 London, Ontario

History Editors:
Robert Currier, MD
 Jackson, Miss
Richard Satran, MD
 Rochester, NY

Neurological Review Editors:
Richard Moxley III, MD
 Rochester, NY
Anne Young, MD, PhD
 Boston, Mass

Editorial Board
Antonio Damasio, MD, PhD
 Iowa City, Iowa
Alan I. Faden, MD
 Washington, DC
Robert C. Griggs, MD
 Rochester, NY
John Growdon, MD
 Boston, Mass
Robert M. Herndon, MD
 Portland, Ore
Jun Kimura, MD
 Kyoto, Japan
Robert B. King, MD
 Syracuse, NY

Harvey S. Levin, PhD
 Baltimore, Md
Matthew Menken, MD
 Somerset, NJ
George W. Paulson, MD
 Columbus, Ohio
James T. Robertson, MD
 Memphis, Tenn
Peritz Scheinberg, MD
 Miami, Fla
Marjorie E. Seybold, MD
 La Jolla, Calif
Arnold Starr, MD
 Irvine, Calif