

Journal of Stroke and Cerebrovascular Diseases

OFFICIAL JOURNAL OF THE JAPAN STROKE SOCIETY

Editors:

José Biller, MD, FACP, FAHA,
FAAN, FANA

*Professor and Chairman
Department of Neurology
Loyola University Chicago
Stritch School of Medicine
Maywood, IL*

Kazuo Kitagawa, MD, PhD
*Professor and Chairman
Department of Neurology
Tokyo Women's Medical University
Tokyo, Japan*

Founding Editor

Clark Millikan, MD

Associate Editors

Masahiro Abo, MD, PhD
Jikei University, Tokyo, Japan

Harold P. Adams, Jr, MD
*University of Iowa Hospitals
Iowa City, IA*

Murray Flaster, MD, PhD
Lancaster, PA

Satoshi Kuroda, MD, PhD
*University of Toyama
Toyama, Japan*

Gary K. Steinberg, MD, PhD
*Stanford University Medical Center
Stanford, CA*

Shunya Takizawa, MD, PhD
*Tokai University School
of Medicine
Kanagawa, Japan*

Masaaki Uno, MD, PhD
*Kawasaki Medical School
Okayama, Japan*

Takao Urabe, MD, PhD
*Juntendo University
Urayasu Hospital
Chiba, Japan*

Book Review Editor

Cathy S. Sila, MD
Cleveland, OH

Controversies

Salvador Cruz-Flores, MD, MPH
El Paso, TX

Topics Review Editor

Michael J. Schneck, MD
Maywood, IL

Managing Editor

Rhonda T. Biller
Chicago, IL

Editorial Board

Koji Abe, MD, PhD
Okayama, Japan

Robert J. Adams, MD
Charleston, SC

Felipe C. Albuquerque, MD,
FAANS
Phoenix, AZ

Catherine Amlie-Lefond, MD
Seattle, WA

Fernando Barinagarramenteria,
MD
Mexico City, Mexico

Bernard R. Bendok, MD, MSCI,
FAANS, FACS, FAHA
Phoenix, AZ

Thomas G. Brott, MD
Jacksonville, FL

John C. M. Brust, MD
New York, NY

Louis R. Caplan, MD
Boston, MA

Seemant Chaturvedi, MD,
FAAN, FANA, FAHA
Baltimore, MD

Joseph L. Cheatwood, PhD
Carbondale, IL

James J. Corbett, MD
Maywood, IL

Bruce M. Coull, MD
Tucson, AZ

Bart M. Demaerschalk, MD,
MSc, FRCPC
Phoenix, AZ

Mary L. Dombovy, MD
Rochester, NY

J. Donald Easton, MD
San Francisco, CA

James D. Fleck, MD
Indianapolis, IN

Anthony J. Furlan, MD
Cleveland, OH

Osvaldo Fustinoni, MD
Buenos Aires, Argentina

Nancy N. Futrell, MD, FAAN
Salt Lake City, UT

Rubens José Gagliardi, MD
São Paulo, Brazil

Elias A. Giraldo, MD, MS
San Bernardino, CA

Larry Goldstein, MD
Lexington, KY

Robert G. Hart, MD
Hamilton, Ontario

Yasuhiro Hasegawa, MD
Kanagawa, Japan

Jun Hatazawa, MD
Osaka, Japan

Takeshi Hayashi, MD
Saitama, Japan

Cathy M. Helgason, MD
Chicago, IL

Sara E. Hocker, MD
Rochester, MN

Kiyohiro Houkin, MD
Hokkaido, Japan

George Howard, PhD
Birmingham, AL

Hiroyasu Iso, MD
Osaka, Japan

Yoshiaki Itoh, MD
Osaka, Japan

Toru Iwama, MD, PhD,
Gifu, Japan

Carlos S. Kase, MD
Atlanta, GA

Scott Kasner, MD
Philadelphia, PA

Jong-Sung Kim, MD
Seoul, Korea

Kazumi Kimura, MD
Tokyo, Japan

Hiroyuki Kinouchi, MD
Yamanashi, Japan

Takanari Kitazono, MD, PhD
Fukuoka, Japan

Enrique Leira, MD
Iowa City, IA

Steven R. Levine, MD, FAHA,
FAAN, FANA
Brooklyn, NY

David S. Liebeskind, MD
Los Angeles, CA

Christopher M. Loftus, MD
Philadelphia, PA

Patrick Lyden, MD
Los Angeles, CA

Ayrton Massaro, MD
São Paulo, Brazil

Joji Nakagawara, MD
Osaka, Japan

Sandra Narayanan, MD
Detroit, MI

Shigeru Nogawa, MD
Tokyo, Japan

Kazuhiko Nozaki, MD, PhD
Shiga, Japan

Kuniaki Ogasawara, MD
Iwate, Japan

Yasushi Okada, MD
Fukuoka, Japan

Bruce Ovbiagele, MD
San Francisco, CA

Amy Perrin-Ross, APRN, MSN,
CNRN, MSCN
Maywood, IL

Binh An P. Phan, MD
San Francisco, CA

Alejandro A. Rabinstein, MD
Rochester, MN

E. Steve Roach, MD
Austin, TX

Natalia S. Rost, MD, MPH,
FAAN, FAHA
Boston, MA

Gustavo Saposnik, MD
Toronto, Ontario

Jeffrey Saver, MD
Los Angeles, CA

Joseph Serrone, MD
Maywood, IL

Jonathan Streifler, MD
Petach Tikva, Israel

Michiyasu Suzuki, MD
Yamaguchi, Japan

Jun C. Takahashi, MD
Osaka, Japan

Shinichi Takahashi, MD
Tokyo, Japan

Yasuo Terayama, MD
Iwate, Japan

Teiji Tominaga, MD
Miyagi, Japan

David Z. Wang, DO, FAHA
Peoria, IL

Yongjun Wang, MD, PhD
Beijing, China

Linda S. Williams, MD
Indianapolis, IN

Shinichi Yoshimura, MD
Hyogo, Japan

Osama O. Zaidat, MD, MS
Toledo, OH



Aims & Scope:

The Journal of Stroke & Cerebrovascular Diseases publishes original papers on basic, translational, and clinical science related to the fields of stroke and cerebrovascular diseases. The Journal also features review articles, controversies, methods and technical notes, exceptional case reports and other original articles of special nature. Its editorial mission is to focus on prevention, acute management, and repair of cerebrovascular disease. Clinical papers emphasize medical, surgical, and endovascular aspects of stroke, clinical trials and design, epidemiology, stroke care delivery systems and outcomes, imaging sciences and rehabilitation of stroke. The Journal will be of special interest to specialists involved in caring for patients with cerebrovascular disease, including adult and child neurologists, neurosurgeons, neuro-interventionalists, cardiologists, hospitalists, emergency medicine physicians, stroke rehabilitation experts, and other health care providers.