Contributors

CONSULTING EDITORS

ANDREW T. PARSA, MD, PhD

Assistant Professor, Department of Neurological Surgery, University of California, San Francisco, San Francisco, California

PAUL C. MCCORMICK, MD, MPH, FACS

New York Neurological Institute, New York, New York

GUEST EDITORS

PAUL NYQUIST, MD, MPH

Assistant Professor, Departments of Neurology, Anesthesiology/Critical Care Medicine, and Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

NEERAJ NAVAL, MD

Neurosciences ICU Fellowship Program Director, Neurosciences ICU Associate Director, Oregon Health & Science University (OHSU), Portland, Oregon

RAFAEL J. TAMARGO, MD, FACS

Walter E. Dandy Professor of Neurosurgery, Director of Cerebrovascular Neurosurgery, Professor of Neurosurgery and Otolaryngology, The Johns Hopkins University School of Medicine, Baltimore, Maryland

AUTHORS

JOSEPH D. BURNS, MD

Department of Neurology, Boston University School of Medicine, Boston, Massachusetts

KAISORN L. CHAICHANA, MD

Neurosurgery Resident, Division of Cerebrovascular Neurosurgery, Department of Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

GEOFFREY P. COLBY, MD, PhD

Resident, Department of Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

E. SANDER CONNOLLY Jr, MD

Professor, Department of Neurological Surgery, Columbia University Medical Center, New York, New York

ALEXANDER L. COON, MD

Resident, Department of Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

PETER DEROSA, BS

Department of Neurological Surgery, Columbia University Medical Center, New York, New York

ANDREW F. DUCRUET, MD

Department of Neurological Surgery, Columbia University Medical Center, New York, New York

PHILIPPE GAILLOUD, MD

Associate Professor and Director of Interventional radiology, Division of Interventional Neuroradiology, The Johns Hopkins University School of Medicine, Baltimore, Maryland

DHEERAJ GANDHI, MBBS, MD

Assistant Professor, Division of Interventional Neuroradiology, Department of Radiology; Department of Neurology and Neurosurgery, Johns Hopkins Hospital, The Johns Hopkins University School of Medicine, Baltimore, Maryland

ANAND V. GERMANWALA, MD

Assistant Professor of Neurosurgery, Division of Neurosurgery, University of North Carolina School of Medicine, Chapel Hill, North Carolina

LYDIA GREGG, MA, CMI

Division of Interventional Neuroradiology, The Johns Hopkins University School of Medicine, Baltimore, Maryland

BARTOSZ T. GROBELNY, BA

Department of Neurological Surgery, Columbia University Medical Center, New York, New York

ZACHARY L. HICKMAN, MD

Department of Neurological Surgery, Columbia University Medical Center, New York, New York

STANLEY HOANG, BS

Medical Student, Stanford University, School of Medicine, Palo Alto, California

JUDY HUANG, MD

Associate Professor of Neurosurgery, Department of Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

J. DEDRICK JORDAN, MD, PhD

Instructor, The Johns Hopkins University School of Medicine, Baltimore, Maryland

SUDHIR KATHURIA, MBBS

Division of Interventional Neuroradiology, Department of Radiology, Johns Hopkins Hospital, The Johns Hopkins University School of Medicine, Baltimore, Maryland

IVAN KOTCHETKOV, BA

Department of Neurological Surgery, Columbia University Medical Center, New York, New York

CHRISTOS LAZARIDIS, MD

Assistant Professor, Neurosciences Critical Care, Intensive Care Medicine-EDIC, Vascular Neurology, Medical University of South Carolina, Charleston, South Carolina

ANDRÉ A. LE ROUX, MB, ChB, MD (LMCC) FC Neurosurg(SA)

Cerebrovascular Neurosurgery Fellow, Department of Surgery(Neurosurgery), Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada

SCOTT A. MARSHALL, MD

Division of Neurosciences Critical Care, Departments of Anesthesiology and Critical Care Medicine, Neurology and Neurosurgery, The Johns Hopkins University School of Medicine; Department of Neurology, Uniformed Services University of the Health Sciences, Bethesda, Maryland

STEPHAN A. MAYER, MD, FCCM

Director, Neurologic Intensive Care Unit, New York Presbyterian Hospital/Columbia; Professor, Department of Neurology and Neurosurgery, Columbia University College of Physicians and Surgeons, New York, New York

BEN MCGUINNESS, MBChB, FRANZCR

Division of Interventional Neuroradiology, Department of Radiology, Johns Hopkins Hospital, Baltimore, Maryland

NEERAJ NAVAL, MD

Neurosciences ICU Fellowship Program Director, Neurosciences ICU Associate Director, Oregon Health & Science University (OHSU), Portland, Oregon

PAUL NYQUIST, MD, MPH

Assistant Professor, Departments of Neurology, Anesthesiology/Critical Care Medicine, and Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

MONICA PEARL, MD

Division of Interventional Neuroradiology, The Johns Hopkins University School of Medicine, Baltimore, Maryland

GUSTAVO PRADILLA, MD

Neurosurgery Resident, Division of Cerebrovascular Neurosurgery, Department of Neurosurgery, The Johns Hopkins University School of Medicine, Baltimore, Maryland

RAFAEL J. TAMARGO, MD, FACS

Walter E. Dandy Professor of Neurosurgery, Director of Cerebrovascular Neurosurgery, Professor of Neurosurgery and Otolaryngology, The Johns Hopkins University School of Medicine, Baltimore, Maryland

M. CHRISTOPHER WALLACE, MD, MSc, FRCSC, FACS

Professor, Department of Surgery(Neurosurgery), Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada

KATJA E. WARTENBERG, MD, PhD

Department of Neurology, Neurologic Intensive Care Unit, Martin-Luther University, Halle-Wittenberg, Leipzig, Germany

EELCO F.M. WIJDICKS, MD, PhD

Department of Neurology, Mayo Clinic, Rochester, Minnesota

ALAN H. YEE, DO

Department of Neurology, Mayo Clinic, Rochester, Minnesota

BRAD E. ZACHARIA, MD

Department of Neurological Surgery, Columbia University Medical Center, New York, New York

WENDY C. ZIAI, MD, MPH

Division of Neurosciences Critical Care, Departments of Anesthesiology Critical Care Medicine, Neurosurgery and Neurology, The Johns Hopkins University School of Medicine, Baltimore, Maryland