Abstracts for the Second Joint Meeting on Stroke and Cerebral Circulation ........................................... 1

Summary of the Third International Symposium on Microneurosurgical Anastomoses for Cerebral Ischemia, June 28-30, 1976, Rottach-Egern, West Germany
Prepared by Robert Spetzler, Peter Schmiedek, and Otmar Gratzl ............. 16

Summary of Eighth International Salzburg Conference on Cerebral Vascular Disease, Salzburg, Austria, September 22-25, 1976
Prepared by John Stirling Meyer ................................................................. 19

Sanguineous Cerebrospinal Fluid in Recanalized Cerebral Infarction
Tadayoshi Irino, Mamoru Taneda, and Takao Minami .......................... 22

Action of Vasodilators on Regional Cerebral Blood Flow in Subacute or Chronic Cerebral Ischemia
André Capon, Monique de Rood, Adolphe Verbist, and Johannes Fruhling .... 25

Granulomatous Angiitis: An Unusual Etiology of Stroke
Peter C. Burger, J. Gordon Burch, and F. Stephen Vogel ......................... 29

Reassessment of Cerebral Capillary Changes in Acute Global Ischemia and Their Relationship to the “No-Reflow Phenomenon”

Radionuclide Cerebral Blood Flow and Carotid Angiogram: Correlation in Internal Carotid Artery Disease
Dominic Foo, and Lynn Henrickson ............................................................ 39

Effect of Cerebrospinal Fluid Removal on Cerebral Blood Flow and Metabolism in Patients With Alzheimer’s Disease Versus Recent Stroke
John Stirling Meyer, Yohsuke Miyakawa, Naoki Ishihara, Yoshifumi Itoh, Hiroaki Naritomi, Ninan T. Mathew, K. M. A. Welch, V. D. Deshmukh, and Arthur Dale Ericsson ........................................... 44

Cortical Evoked Potential and Extracellular K+ and H+ at Critical Levels of Brain Ischemia
Jens Astrup, Lindsay Symon, Neil M. Branston, and Niels A. Lassen .......... 51

Frequency and Course of Pure Motor Hemiparesis: A Clinical Study
Ralph W. Richter, John C. M. Brust, Bertel Bruun, and Stephen Q. Shafer .... 58

Experimental Regional Cerebral Ischemia in the Middle Cerebral Artery Territory in Primates: Part 1: Angio-Anatomy and Description of an Experimental Model With Selective Embolization of the Internal Carotid Artery Bifurcation
Osamu Watanabe, Alfonso M. Bremer, and Charles R. West .................... 61

Experimental Regional Cerebral Ischemia in the Middle Cerebral Artery Territory in Primates: Part 2: Effects on Brain Water and Electrolytes in the Early Phase of MCA Stroke
Osamu Watanabe, Charles R. West, and Alfonso M. Bremer ....................... 71

Cation Activities in Reversible Ischemia of the Cat Brain
Konstantin-Alexander Hossmann, Saburo Sakaki, and Volker Zimmermann 77

Adrenergic Innervation of Large Cerebral Blood Vessels of the Rabbit Studied by Fluorescence Microscopy: Absence of Features That Might Contribute to Non-Uniform Change in Cerebral Blood Flow
Ralph E. Purdy, and John A. Bevan .............................................................. 82

(Continued)
Failure of Prolonged Hypocapnia, Hypothermia, or Hypertension to Favorably Alter Acute Stroke in Primates
John D. Michenfelder, and James H. Milde .......................... 87

Xenon Inhalation Method: Analysis of Reproducibility: Some of Its Physiological Implications
Urs W. Blauenstein, James H. Halsey, Jr., Edwin M. Wilson, Edward L. Wills, and Jarl Risberg .................. 92

Regional Cerebral Blood Flow in the Anesthetized Mouse as Measured by Local Hydrogen Clearance
William I. Rosenblum .......................... 103

Relative Role of Factors Associated With Cerebral Infarction and Cerebral Hemorrhage: A Matched Pair Case-Control Study

Reserpine and Cerebral Vasospasm
Clark Watts ........................................ 112

Abstracts ........................................ 115

News from the American Heart Association .......................... 128

Abstracts from the Ninth Cerebrovascular Research Center Workshop, February 23–24, 1977, Miami, Florida .......................... 131

Report from the Joint Committee for Stroke Resources
XIV. Cerebral Ischemia: The Role of Thrombosis and of Antithrombotic Therapy .......................... 147

No. 2 (March-April)

Trigeminal Artery and Occlusive Cerebrovascular Disease
G. Khodadad, M.D ........................................ 177

Cerebral Circulation After Cardiac Arrest. Microangiographic and Protein Tracer Studies
Shu-Ren Lin, M.D. and Martti Kormano, M.D ........................................ 182

Cerebral Blood Flow Regulation. II. Vasodilator Mechanisms
Lewis L. Levy, M.D. and Jan D. Wallace, M.D ........................................ 189

Carotid Ligation in Gerbils. Influence of Age, Sex, and Gonads
Hushang M. Payan, M.D. and James R. Conard, B.S ........................................ 194

Sympathetic Regulation of Caphal Blood Flow
Maurice W. Meyer, D.D.S., Ph.D., Kathleen A. Smith, B.S., M.S., and Arthur C. Klassen, M.D. ........................................ 197

Intracranial Aneurysms and Subarachnoid Hemorrhage — Report on a Randomized Treatment Study. IV-A. Regulated Bed Rest
Donald W. Nibbelink, M.D., James C. Torner, M.S., and William G. Henderson, Ph.D. ........................................ 202

Central Nervous System Angioendotheliosis. A Treatable Multiple Infarct Dementia
James L. Reinglass, M.D., Jans Muller, M.D., Stanley Wissman, M.D., and Henry Wellman, M.D. ........................................ 218

Stochastic Analysis of 133Xe Clearance for Determining Regional Cerebral Blood Flow in a Primate Model
Harry Agress, Jr., M.D., Stephen L. Bacharach, Ph.D., M. Kathryn Hammad, M.D., Michael V. Green, M.S., Gerald S. Johnston, M.D., and Giovanni Di Chiro, M.D ........................................ 222

Local Mechanism of CO2 Action on Cat Pial Arterioles
Hermes A. Kontos, M.D., Ph.D., Enoch P. Wei, Ph.D., A. Jarrell Raper, M.D. and John L. Patterson, Jr., M.D. ........................................ 226

Diurnal Variation in Occurrence of Strokes
John Marshall, M.D., F.R.C.P.(Ed.), F.R.C.P. (Lond.), D.P.M. ........................................ 230

Amaurosis Fugax
James E. Mungas, M.D. and William H. Baker, M.D. ........................................ 232

(Continued)