PROGRESS REVIEW

The Fallacy of the Lacune Hypothesis
Clark Millikan and Nancy Futrell ........................................ 1251

ORIGINAL CONTRIBUTIONS

Effect of Capsular Infarct Size on Clinical Presentation of Stroke
Young Ho Sohn, Byung In Lee, Il Nam Sunwoo, Ki Whan Kim, and Jung Ho Suh .............. 1258

Seasonal Variation in Stroke Incidence in Hisayama, Japan
Atsushi Shinkawa, Kazuo Ueda, Yutaka Hasuo, Yutaka Kyohara, and Masatoshi Fujishima .... 1262

Clinical and Laboratory Findings in Patients With Antiphospholipid Antibodies and Cerebral Ischemia
The Antiphospholipid Antibodies in Stroke Study Group ........................................ 1268

Richard Cooper, Christopher Sempos, Shih-Chao Hsieh, and Mary Grace Kovar ............. 1274

The Principle of Parsimony: Glasgow Coma Scale Score Predicts Mortality as Well as the APACHE II Score for Stroke Patients
Scott Weingarten, Roger Bolus, Mary S. Riedinger, Lawrence Maldonado, Steven Stein, and A. Gray Ellrodt ........................................ 1280

Effect of Nimodipine on Platelet Function in Patients With Subarachnoid Hemorrhage
Seppo Juvela, Markku Kaste, and Matti Hillbom ........................................ 1283

Large-Dose Infusions of Heparinoid ORG 10172 in Ischemic Stroke

Effects of Nitrous Oxide on Global and Regional Cortical Blood Flow
Georg Deutsch and Satwant K. Samra ........................................ 1293

Arterial Pathology in Cerebellar Infarction
Pierre Amarenco, Jean-Jacques Hauw, and Jean-Claude Gautier ........................................ 1299

A Simple Test to Assess Cerebrovascular Reserve Capacity Using Transcranial Doppler Sonography and Acetazolamide
A. Piepgras, P. Schmiedek, G. Leinsinger, R.L. Haberl, C.M. Kirsch, and K.M. Einhaupt ........ 1306

Liposome-Entrapped Superoxide Dismutase Reduces Cerebral Infarction in Cerebral Ischemia in Rats
Shigeki Imaizumi, Vicki Woolworth, Robert A. Fishman, and Pak H. Chan ......................... 1312

Effects of Normothermic Versus Mild Hyperthermic Forebrain Ischemia in Rats
W. Dalton Dietrich, Raul Busto, Isabel Valdes, and Yolanda Loor ........................................ 1318

Phenytoin Affects Metabolism of Free Fatty Acids and Nucleotides in Rat Cerebral Ischemia
Hiroki Kinouchi, Shigeki Imaizumi, Takashi Yoshimoto, and Masakichi Motomiya ............... 1326

Hemodilution and Hypertension Effects on Cerebral Hemorrhage in Cerebral Ischemia in Rats
Daniel J. Cole, John C. Drummond, Thomas S. Ruta, and Norman H. Peckham .................. 1333

Increasing Doses of Intracarotid Air and Cerebral Blood Flow in Rabbits
S.C. Helps, M. Meyer-Witting, P.L. Reilly, and D.F. Gorman ........................................ 1340

SHORT COMMUNICATIONS

Sequential Cerebral Blood Flow Changes in Short-term Cerebral Ischemia in Gerbils
Hiroaki Kato, Tsutomu Araki, Kyuya Kogure, Matsutaro Murakami, and Kazuo Uemura ............ 1346

Magnetic Resonance Imaging in Lateral Sinus Hypoplasia and Thrombosis
Jean-Louis Mas, Jean-Francois Meder, Eric Meary, and Marie-Germaine Bousser .................. 1350
Therapeutic Window of CA1 Neuronal Damage Defined by an Ultrashort-Acting Barbiturate After Brain Ischemia in Gerbils

Toshihiko Kuroiwa, Petra Bonnekoh, and Konstantin-Alexander Hossmann

1489

SHORT COMMUNICATIONS

Retinal Infarction During Sleep and Wakefulness

Askiel Bruno, José Biller, Harold P. Adams Jr., and James J. Corbett

1494

Etiologic Importance of the Intimal Flap of the External Carotid Artery in the Development of Postcarotid Endarterectomy Stroke

Wesley S. Moore, Jeannette Y. Martello, William J. Quiñones-Baldrich, and Samuel S. Ahn

1497

CASE REPORTS

Cerebral Venous Thrombosis Due to Heparin-Induced Thrombocytopenia

A.P. Kyritsis, E.C. Williams, and H.S. Schutta

1503

Two Cases of Spontaneous Internal Carotid Artery Occlusion Due to Giant Intracranial Carotid Artery Aneurysm

Kiyotaka Sato, Satoru Fujiwara, Takashi Yoshimoto, and Takehide Onuma

1506

LETTERS TO THE EDITOR

Coexistence of Cystatin C and β Protein Immunoreactivity

J. Haan and R.A.C. Roos

1510

Sneddon's Syndrome With Negative Antiphospholipid Antibodies

B. Martinez-Menéndez, A. Pérez-Sempere, M. Gonzalez-Rubio, F.J. Villaverde-Amundarain, and F. Bermejo-Pareja

RESPONSE BY: Steven R. Levine

1510

Detection of Middle Cerebral Emboli During Coronary Artery Bypass Surgery Using Transcranial Doppler Sonography

M. J. G. Harrison, W. Pugsley, S. Newman, C. Paschalis, L. Klinger, T. Treasure, and B. Aspey

1512

Effect of Intra-aortic Balloon Pumps on Cerebral Circulation

Camilo R. Gomez, James R. McLaughlin, and Philip C. Njemanze

RESPONSE BY: Lawrence M. Brass

1512

Infusion of Recombinant Tissue Plasminogen Activator for Treatment of Basilar Artery Occlusion

Brigitte Wildemann, Martin Hutschenreuter, Derk Krieger, Werner Hacke, and Rüdiger von Kummer

1513

ABSTRACTS OF LITERATURE

1515

NEWS FROM THE AMERICAN HEART ASSOCIATION

A1528

MEETINGS CALENDAR

Domestic Meetings

A1532

Abroad Meetings

A1533