Contents

Part I: Intracranial Aneurysms and Subarachnoid Hemorrhage

Microsurgical Principles for Anterior Circulation Aneurysms ......................... 3
Romani, R., Laakso, A., Niemelä M, Lehecka, M., Dashti, R., Isarakul, P.,
Celik, Ö., Navratil, O., Lehto, H., Kivisaari, R., and Hernesniemi, J.

Treatment of Ruptured Cerebral Aneurysms – Clip and Coil, Not Clip
Versus Coil ................................................................. 9
Kaku, Y., Yamashita, K., Kokuzawa, J., Hatsuda, N., and Andoh, T.

Distal Anterior Cerebral Artery Aneurysms ........................................... 15
Lehecka, M., Dashti, R., Lehto, H., Kivisaari, R., Niemelä M,
and Hernesniemi, J.

Treatment of Complex Intracranial Aneurysms of Anterior Circulation
Using Multiple Clips ........................................................ 27
Sano, H.

Part II: Cerebral Arterial Dissection

Overview of Spontaneous Cervicocephalic Arterial Dissection In Japan ........... 35
Tsukahara, T., and Minematsu, K.

Incidence of Intracranial Arterial Dissection in Non-emergency Outpatients
Complaining of Headache: Preliminary Investigation with MRI/MRA
Examinations ................................................................. 41
Manabe, H., Yonezawa, K., Kato, T., Toyama, K., Haraguchi, K.,
and Ito, T.

A Study of Vertebrobasilar Artery Dissection with Subarachnoid Hemorrhage .... 45
Nakajima, S., Tsukahara, T., and Minematsu, K.

Surgical Treatment of Intracranial VA Dissecting Aneurysm ...................... 51
Takemoto, K., Abe, H., Uda, K., and Inoue, T.

Management of Spontaneous Dissection of the Cervical Carotid Artery .......... 57
Baumgartner, R.W.
Part III: Arteriovenous Malformations and Fistulas

Natural History of Arteriovenous Malformations: Presentation, Risk of Hemorrhage and Mortality ........................................... 65
Laakso, A., Dashti, R., Juvela, S., Niemelä M., and Hernesniemi, J.

Present State of Microneurosurgery of Cerebral Arteriovenous
Malformations ......................................................... 71
Hernesniemi, J., Romani, R., Lehecka, M., Isarakul, P., Dashti, R.,
Celik Ö., Navratil, O., Niemelä M., and Laakso, A.

Management of Dural Arteriovenous Fistulas – Helsinki
and Kuopio Experience ........................................... 77
Celik, Ö., Piippo, A., Romani, R., Navratil, O., Laakso, A., Lehecka, M.,
Dashti, R., Niemelä, M., Rinne, J., Jääskeläinen, J.E., and Hernesniemi, J.

The Rationale Behind “A Randomized Trial
of Unruptured Brain AVMs” (ARUBA) ............................. 83
Stapf, C.

Part IV: Cerebral Revascularization and Bypass Surgery

Posterior circulation EC–IC Bypass via Supracerebellar Transtentorial
SCTT Approach Applied in a Young Patient with Congenital Multiple
Occlusive Cerebrovascular Anomalies – Case Report and Technical Note 89
Yonekawa, Y.

Superficial Temporal Artery-To-Middle Cerebral Artery Anastomosis with
Encephalo-Duro-Myo-Synangiosis as a Modified Operative Procedure for
Moyamoya Disease ................................................... 95
Ishii, K., Morishige, M., Anan, M., Sugita, K., Abe, E., Kubo, T.,
Fujiki, M., and Kobayashi, H.

Long-term Results of Carotid Endarterectomy and Carotid Stenting 101
Ogata, H., Tsukahara, T., Hatano, T., Nakakuki, T., Murakami, M.,
Aoyama, T., and Miyakoshi, A.

Part V: Stroke Surgery and Management

Application of Microscope Integrated Indocyanine Green Video-Angiography
During Microneurosurgical Treatment of Intracranial Aneurysms: A Review 107
Dashti, R., Laakso, A., Niemelä M, Porras, M., Celik Ö, Navratil, O.,
Romani, R., and Hernesniemi, J.

Principles of Neuroanesthesia in Stroke Surgery .................... 111
Randell, T.

Prevention of Symptomatic Vasospasm by Continuous Cisternal Irrigation
with Mock-CSF Containing Ascorbic Acid and Mg^{2+} ............... 115
Satoh, A., Sugiyama, T., Ooigawa, H., Nakajima, H., Ogura, T.,
Neki, H., and Morikawa, E.

Author Index ......................................................... 119

Subject Index ....................................................... 121
Surgical Management of Cerebrovascular Disease
Laakso, A.; Hernesniemi, J.; Yonekawa, Y.; Tsukahara, T. (Eds.)
2010, VIII, 122 p., Hardcover
ISBN: 978-3-211-99372-9