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Microneurosurgical Anastomoses for Cerebral Ischemia [Contents]

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MICRONEUROSURGICAL ANASTOMOSES FOR CEREBRAL ISCHEMIA

Edited by

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The purpose of this volume is to present a series of important papers on the rapidly growing surgical field of microneurosurgical anastomoses for cerebral ischemia. It includes papers on the indications and results of microneurosurgical bypass anastomoses; on the techniques used to study patients before and after surgery, including cerebral blood flow, psychometric testing, etc.; and on the basic mechanisms of cerebral ischemia studies in animals. New ideas are suggested for techniques involving increased use of the occipital arteries and the development of vein, arterial, or prosthetic grafts in place of the STA (superficial temporal artery). Also discussed are the importance of measuring blood flow in the STA where possible, and the measurement of cerebral blood flow pre- and postoperatively to monitor the results. Psychometric studies are shown to be of importance pre- and postoperatively in addition to careful neurologic evaluation.

Neurologists, neurosurgeons and microvascular physiologists will find this volume to be of interest. It will serve as an early reference and introduction for those entering this field and as a strong stimulus for new work and innovation to those who have provided the initial impetus.

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