A luminary in the field of cerebrovascular surgery brings his pace-setting work on the surgical management of moyamoya disease to the neurosurgical community

When the rare stroke strikes in children and youth, a likely cause is the idiopathic disease moyamoya, characterized by the slow and progressive stenosis and occlusion of the internal carotid artery and the arteries of the circle of Willis. A result of these stenoses is the formation of collaterals that are typically small and fragile, and liable to rupture.

While there is no cure for moyamoya, a variety of surgical procedures can be performed to re-establish and maintain adequate blood supply to the affected brain areas. The procedures described here include various revascularization techniques and recommended bypasses.

Key Features:

- With contributions from the world's most renowned bypass surgeons
- Perioperative management and considerations
- An overall practical approach to this painstaking high-end surgery
- Detailed criteria for analyzing the situation and choosing the appropriate procedure
- General principles of bypass surgery, direct and indirect revascularization, and combined revascularization techniques
- Step-by-step descriptions of these procedures
- Rescue strategies when repeat surgery is necessary

Surgical Techniques in Moyamoya Vasculopathy is an indispensable guide for the experienced neurovascular surgeon.