

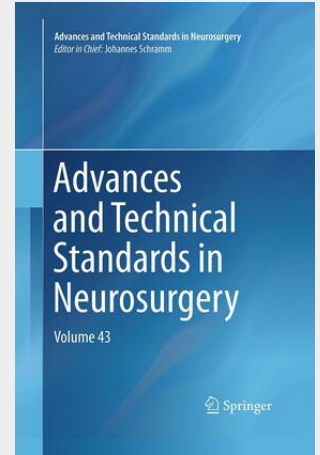
Schramm

Advances and Technical Standards in Neurosurgery

Volume 43

This volume reviews standard treatments for spinal dural arteriovenous fistulas, examining the anatomy of arteries and veins of the sylvian fissure, as well as microsurgical advances and the development of modern therapeutic strategies in intracranial meningiomas. The advances section presents a strategy for minimizing hearing loss after stereotactic radiosurgery for vestibular schwannomas, as well as a description of the mode of action and biology of ALA, including its interaction with tumor cells and the limits of this method. A dedicated chapter addresses the essential question of the limits (and merits) of various tractography techniques and of their importance for non-specialists, who may be tempted to use them uncritically. A further chapter examines molecular markers, which have become standard in neuropathological reports on intracranial tumors, reviewing the prognostic and predictive value of these modern molecular markers in gliomas. Additional chapters round out the coverage, offering a comprehensive overview of standard and advanced techniques.

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