



## Gamma knife neurosurgery in the management of intracranial disorders.

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editor

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The articles in this volume cover the various radiosurgical techniques used to treat benign and malignant intracranial tumors, cavernous malformations, and functional disorders, as well as a wide array of specific details on medical physics, neuroimaging, and anesthetic support. Particular emphasis is put on the optimal combination of microneurosurgery and radiosurgery for attaining the best functional results in patients with vestibular schwannomas, craniopharyngiomas, and pituitary adenomas, and on the most effective methods of treatment planning and radiation dosimetry in cases of metastatic brain tumors. The highlighted clinical aspects include indications for radiosurgery and the prediction of patients prognosis, along with analysis of outcomes in comparison with results achieved by other modalities in the context of multifaceted therapeutic strategies. In addition, possible options for applying advanced treatment using such modern devices as Leksell Gamma Knife Perfexion™ and Icon™ are presented in depth. This information will interest both radiosurgical practitioners and neurosurgeons, and help them to provide optimal care and to achieve the greatest benefit of their patients

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