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Luciano Mastronardi, Takanori Fukushima, Alberto Campione (Eds.)

Advances in Vestibular Schwannoma Microneurosurgery

Improving Results with New Technologies

- Presents an up-to-date guide to the use of new technologies in vestibular schwannoma (VS) microneurosurgery.
- Provides step-by-step descriptions of microneurosurgical techniques for VS removal
- Includes a wealth of illustrations and scientific data validating the usefulness of several newly available technologies

This volume describes the most relevant and cutting-edge technological news on the complex surgical procedure of acoustic neuroma. The clinical-radiological diagnosis and surgical indications are briefly presented and the surgical technique is illustrated step-by-step: video clips show the latest means of treating these patients. All these indications were prepared by highly experienced experts in the field, based on their personal experience. The new technologies discussed concern e.g. the intraoperative identification and position of the facial nerve, hearing preservation, techniques for dural closure, and the usefulness of laser and ultrasound aspirators. The book also discusses a number of ongoing projects, including those on: diluted papaverine for microvascular protection of cranial nerves, flexible endoscope for IAC control of tumor removal, fluid cement for bone closure, administering aspirin to control residual tumors larger than 7mm, and DTI for preoperative prediction of the position of the facial nerve. This is a highly informative presented book providing surgeon interested in acoustic neuroma with necessary information on modern technologies available for improving the results of patients.

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