1. Record Nr. UNINA9910337518803321

Titolo	Advances in Vestibular Schwannoma Microneurosurgery : Improving Results with New Technologies / / edited by Luciano Mastronardi, Takanori Fukushima, Alberto Campione
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-03167-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (170 pages)
Disciplina	617.48 617.882
Soggetti	Nervous system - Surgery Otolaryngology Neurology Human physiology Neurosurgery Otorhinolaryngology Human Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Introduction -- 1 Clinical-radiological Diagnosis -- 2 Surgical Indications -- 3 Illustrated surgical technique (Step-by-step): position, retrosigmoid approach, translabirintine approach, video-clip of the steps -- 4 Results in a personal series of 150 cases -- 5 New technologies: intraoperative identification and position of facial nerve, Hearing preservation, Usefulness of Laser and Ultrasound aspirator, Techniques of dural closure -- 6 Projects in progress: diluted papaverine for microvascular protection of cranial nerves, flexible endoscope for IAC control of tumor removal, fluid cement for bone closure, aspirine administration for control of tumor residual larger that 7mm, DTI for facial nerve preoperative prediction of position and course -- Conclusions.
Sommario/riassunto	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.