



## Atlas of acoustic neurinoma microsurgery /

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Monografía

"Authored by pioneers in the field, the Atlas of Acoustic Neurinoma Microsurgery--now in a fully updated second edition--provides step-by-step descriptions of the various surgical approaches complemented by clearly labeled, full-color intraoperative photographs. Numerous cases derived from the expert authors' own experience accompany each description to demonstrate the clinical application of the various techniques as well as to offer practical examples of what to do when faced with surgical complications. Concise, tightly focused chapters cover everything from surgical anatomy and operating room setup to detailed explanations of how to perform the full range of surgical procedures, including the enlarged translabyrinthine approach with transapical extension (introduced by Gruppo Otologico), the enlarged middle cranial fossa approach, the transotic approach, the modified transcochlear approach, and much more. Features - New chapters on the general features of acoustic neurinomas; functional surgery and intraoperative monitoring of the facial and cochlear nerves; imaging of acoustic neurinomas; facial nerve reanimation; and treatment options for patients with neurofibromatosis type 2 - In-depth information on key aspects of patient care, such as patient selection, preoperative care, and postoperative follow-up - Over 1000 high-quality images--including more than 900 full-color intraoperative photographs-- precisely display each step of the different procedures - Multiple cases in each chapter prepare the reader for clinical situations Reflecting the latest advancements in acoustic neurinoma microsurgery, this visual guide will help develop the surgical skills of every otolaryngologist and neurosurgeon who performs this delicate and complicated form of surgery"--Provided by publisher

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**Contenido:** Atlas of Acoustic Neurinoma Microsurgery; Title Page; Copyright; Preface; Contents; 1 General Features of Acoustic Neurinomas; Pathogenesis; Epidemiology; Natural History; Signs and Symptoms; Hearing Loss; Tinnitus; Disequilibrium; Cerebellar Dysfunction; Trigeminal Nerve Involvement; Facial Nerve Involvement; Lower Cranial Nerve and Brainstem Findings; Hydrocephalus and Headaches; 2 Imaging Study of Acoustic Neurinomas; Tumor Assessment; Magnetic Resonance Imaging; Computed Tomography; Differential Diagnosis; Neurofibromatosis Type 2; Other Tumors; Residual Tumors; Therapeutic Follow-Up Postoperative Scans Wait and Scan; 3 Decision Making in Acoustic Neurinoma Surgery; Introduction; Surgical versus Nonsurgical Treatment; Small Neurinomas; Acoustic Neurinoma in the Only Hearing Ear; Acoustic Neurinoma in Patients with Poor General Condition; Radiosurgery; Management of the Patient with Serious Neurological Disorders; Management of Elderly Patients; Selecting the Surgical Approach; Translabyrinthine versus Hearing Preservation Surgeries; Total versus Subtotal Removal; 4 Operating Room Setup and Patient Care; Operation Room Setup; Rationale; Arrangement; Instruments Suction Irrigation Drills; Bipolar Coagulation; Microinstruments; Postoperative Management; Postoperative Medication; Discharge; 5 Surgery in the Cerebellopontine Angle: General Concepts; Surgical Orientation in the Cerebellopontine Angle; Internal Auditory Canal; Cerebellopontine Angle; Facial Nerve; Surgical Techniques in the Cerebellopontine Angle; General Guidelines for Drilling; Management of Bleeding; How to Deal with Brain Tissue and Other Neurovascular Structures; How to Obtain Better Access to the Tumor; Techniques of Tumor Dissection and Removal; 6 Intraoperative Monitoring Facial Nerve Monitoring Introduction; Instrumentation; Techniques; Purposes of Intraoperative Facial Nerve Monitoring; Localization of the Facial Nerve (Mapping); Identification of the Facial Nerve; Minimization of Neural Trauma; Artifacts; Confirmation of the Functional Integrity of the Nerve; Concluding Considerations; Cochlear Nerve Monitoring; Introduction; Protocol; Concluding Considerations; 7 The Translabyrinthine Approaches; The Enlarged Translabyrinthine Approach; Rationale; Indications; Contraindications; Surgical Anatomy; Surgical Technique; Clinical Application; Pearls and Pitfalls

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