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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index at the end of each chapters.
Nota di contenuto	Approaches to the Orbit: a 360 Degrees View -- Intraoperative Brain Mapping -- Functional Microsurgery of Vestibular Schwannomas -- Preservation and Restitution of Auditory Function in Neurofibromatosis Type 2 -- Peripheral nerve entrapment syndromes of the lower extremity -- Hypoglossal-facial nerve anastomosis -- Pituitary Surgery Beyond the Sella -- Endoscopy and thermodyskoplasty: a minimally invasive surgical treatment for lumbar pain -- Full-endoscopic lumbar and cervical surgery for disc herniation -- Mini-open transforaminal lumbar interbody fusion for degenerative diseases -- Spinal robotics -- Sphenoid wing meningiomas -- Proliferation Behaviour in Meningiomas -- Syringomyelia and Syringobulbia -- Neural transplantation and restoration of motor behavior in Parkinson's disease -- Potential and limitations of chronic high-frequency deep-brain stimulation in parkinson's disease -- Arachnoid cysts of the posterior fossa --

Surgical reconstruction of musculocutaneous nerves in traumatic brachial plexus injuries -- Facial pain - diagnosis and therapy -- Microvascular Decompression (MVD) for Trigeminal Neuralgia (TN) -- Spinal Intramedullary Tumors -- Bypass and vascular reconstruction for anterior circulation aneurysms -- Cerebral bypass and vascular reconstructions for posterior circulation aneurysms -- Facial and cochlear nerve function after surgery of cerebellopontine angle meningiomas -- Optic nerve sheath meningiomas -- Chordomas and Chondrosarcomas -- Vestibular Schwannoma: current state of the art -- Retrosigmoid approach to the posterior and middle fossae -- Endoscope-assisted Microsurgery -- Preoperative visualization of the facial nerve using diffusion tensor imaging fiber tracking in patients with large vestibular schwannomas -- Endoscopic transnasal surgery for clival chordoma -- Olfactory Groove Meningiomas: Pitfalls and surgical technique -- Malformation -- Diagnosis and treatment of adult hydrocephalus -- Petroclival Meningiomas Diagnosis, Treatment and Results -- The surgical management of trigeminal schwannomas -- Facial nerve schwannomas -- Surgery of large and giant residual/recurrent vestibular schwannomas -- Jugular foramen tumors - Diagnosis and management -- Navigated Semirobotic Pedicle Screw Placement – Experience with 250 Consecutive Cases -- Total Lumbar Facet Replacement – Indication, Technique and 3-Years Results -- The Virtual Operating Field – How Image Guidance became integral to microneurosurgery -- Primary Tethered Cord Syndrome -- Considerations on Experimental Neuromodulation Following Grafting the Spinal Cord to Skeletal Muscles for Clinical Application -- Surgery of Cerebellopontine angle Epidermoids.

Sommario/riassunto

This second edition of Samii's Essentials in Neurosurgery contains revised and updated versions of chapters from the first edition plus contributions on new topics written by leading neurosurgeons who were trained by Professor Madjid Samii in Hannover, Germany. Almost all fields of neurosurgery are covered. The authors follow the traditional principles of Samii's philosophy in the diagnosis and management of various neurosurgical pathologies, while presenting their own personal experiences. The extensively illustrated texts document clearly how cutting-edge technology in neurosurgery is being applied in new approaches and techniques. This book will greatly assist neurosurgeons, ENT surgeons, neuroradiologists, neurologists, and neurophysiotherapists in their everyday practice.
