

1. Record Nr.	UNINA9910987788903321
Titolo	Microvascular Decompression Surgery : Advances and Expansion of Strategy and Techniques // edited by Shi-Ting Li, Jun Zhong, Marc Sindou, Raymond F. Sekula
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9607-67-1
Edizione	[2nd ed. 2025.]
Descrizione fisica	1 online resource (VIII, 254 p. 114 illus., 86 illus. in color.)
Disciplina	617.48
Soggetti	Nervous system - Surgery Otolaryngology Blood-vessels - Surgery Neurosurgery Otorhinolaryngology Vascular Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The History of Microvascular Decompression Surgery -- Hypothesis of Cranial Nerve Hyperexcitability Disorders -- Microsurgical Anatomy for Microvascular Decompression Surgery -- A Surgical Strategy of MVD Process -- Pathogenesis and Treatment of Hemifacial Spasm -- A Novel Hypothesis on the Mechanism of Hemifacial Spasm -- Surgical treatment of masseter spasm -- Pathogenesis of Trigeminal Neuralgia -- Surgical Technique of Microvascular Decompression Surgery for Trigeminal Neuralgia -- Surgical Techniques of Microvascular Decompression for Hemifacial Spasm -- Microvascular Decompression Surgery for Disabling Positional Vertigo and Tinnitus -- Microvascular Decompression Surgery for Glossopharyngeal Neuralgia -- The Pragmatic Anatomy of Meckel's cave and Working Mechanism of PBC -- A Headless Pear is Core to a Satisfactory Outcome of PBC -- MVD for Neurogenic Hypertension: A Review -- MVD for oculomotor nerve palsy -- Combined nerve transplantation for severe facial paralysis -- Extracranial neurolysis for sequelae of spastic facial paralysis -- Treatment of Vaguglossopharyngeal Neuralgia with MVD and Other

Neurosurgical Procedures -- Intraoperative Monitoring -- Outcome Evaluation and Postoperative Management -- Reoperation for Hemifacial Spasm -- Perioperative Adverse Events of Microvascular Decompression.

---

## Sommario/riassunto

This book provides an essential update on microvascular decompression (MVD) surgery, which has been widely accepted as an effective remedy for cranial nerve hyperexcitability disorders such as hemifacial spasm, trigeminal neuralgia, glossopharyngeal neuralgia, etc. The authors describe in detail those steps of the process that need the most attention in order to achieve an excellent postoperative outcome, including positioning, craniectomy, approach and identification of the culprit, etc. Though it primarily focuses on surgical principles and technical nuances, the book also addresses the intraoperative electrophysiologic monitoring and pathogeneses of hemifacial spasm and trigeminal neuralgia. The new edition, with a minimal invasive philosophy, advances those recent advances in the treatment of rhizopathy as well as facial palsy. It also addresses the mechanism of these cranial nerve diseases and intraoperative electrophysiological monitoring. .

---