

Seven Cavernomas

Tenets and Techniques for Resection

An incomparable collection of evidence-based cavernoma road trips through the cerebral terrain

is the fourth volume in a remarkable series by internationally renowned neurosurgeon Michael T. Lawton. As with the three prior volumes, Dr. Lawton leverages his vast expertise as a leading cerebrovascular neurosurgeon, sharing insights and knowledge gained from operating on over 1,400 cavernomas. Integrates quintessential clinical, anatomical, and microsurgical concepts into a comprehensive heuristic to position neurosurgeons to achieve the best patient outcomes with cavernoma microsurgical resection.

Section 1 details the 10 cavernoma tenets, starting with a taxonomy for classification by location and surface representation. Subsequent chapters describe brainstem and cerebral anatomy as well as dissection techniques in detail, covering the triangle concept, arterial landmarks, hotspots of brain eloquence, recurrence, patient selection, and cartography. Section 2 examines the seven types of cavernous malformations, with insightful pearls on resection techniques. The closing chapter concludes with discussion of the future role neurosurgery will play in understanding how the brain gives us our consciousness, emotion, memory, and intelligence.

Key Highlights

Taxonomy of seven cavernoma types and 35 subtypes guides the neurosurgeon to choose the most optimal approaches, execute the operation skillfully, and maximize intraoperative performance

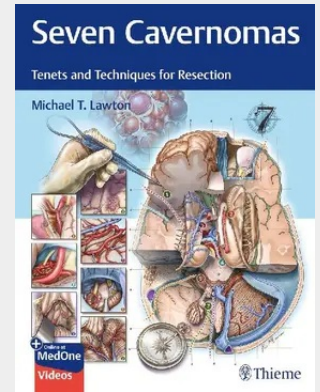
- Brainstem cavernous malformation cartography maps out the special relationships between the craniotomy, subarachnoid approach, anatomical triangles, safe entry zones, and arteries as vascular waypoints
- An impressive compendium of 65 surgical videos and eight animations captures the action, progression, movement, and technical nuances that sculpt the art of neurosurgery
- A total of 500 exquisitely rendered illustrations and clinical images delineate anatomical components with stunning accuracy

This volume is an essential reference for every vascular neurosurgeon. The book demonstrates in meticulous detail how the art and science of map-making is a path to crystallizing the art and science of cavernoma resection. The taxonomy provides a consistent nomenclature for discussion while providing technical and navigational nuance, inspiring confidence, and empowering neurosurgeons to improve patient outcomes.

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170,00 €

158,88 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9781684204946

Medium: Buch

ISBN: 978-1-68420-494-6

Verlag: Thieme Medical Publishers

Erscheinungstermin: 18.02.2026

Sprache(n): Englisch

Auflage: 1. Auflage 2026

Produktform: Gebunden

Gewicht: 1840 g

Seiten: 452

Format (B x H): 222 x 284 mm

