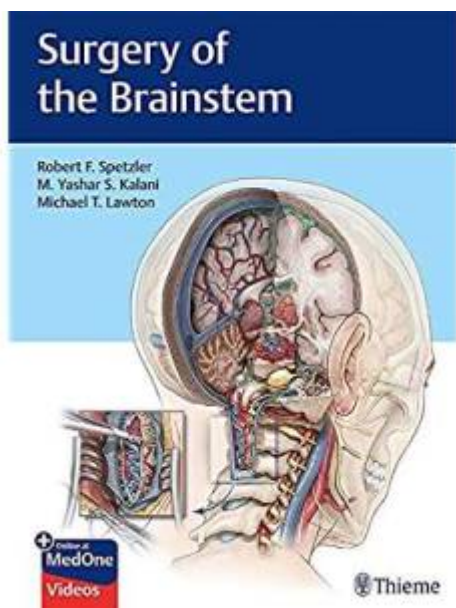


Surgery of the Brainstem

by [Robert F. Spetzler](#) (Editor), [M. Yashar S. Kalani](#) (Editor), [Michael T. Lawton](#) (Editor)



Price: \$259.99

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The ultimate guide to navigating and treating [brainstem lesions](#) from master [neurosurgeon Robert F. Spetzler](#).

The brainstem is one of the last bastions of surgical prohibition because of its densely packed ascending and descending [tracts](#) and [nuclei](#) carrying information to and from the [brain](#). Although 10% of all [pediatric tumors](#) and 5% of all vascular anomalies occur in the [brainstem](#), neurosurgeons have traditionally resisted dissecting [lesions](#) in this [area](#). Recent advances in [imaging](#), [microscopy](#), [anesthesia](#), and operative techniques have expanded the treatment paradigm for this most [eloquent](#) region of the brain.

Surgery of the Brainstem, by internationally renowned neurosurgeons Robert F. Spetzler, M. Yashar S. Kalani, and Michael T. Lawton, along with an impressive cadre of global experts, is a comprehensive guide to managing disorders of the brainstem, [thalamus](#), and [basal ganglia](#). Organized in seven sections with 33 chapters, the text opens with four sections covering a variety of topics. Section I presents the history of brainstem surgery; Section II examines [anatomy](#), development, and pathology; Section III [reviews](#) patient [examination](#), imaging, and [monitoring](#); and Section IV provides a succinct overview of surgical [approaches](#). Sections V-VII cover a wide range of adult and [pediatric tumors](#), [ischemia](#), [stroke](#), [aneurysms](#), [arteriovenous malformations](#), and cerebral [cavernous malformations](#). More than 500 high-quality clinical images, medical illustrations, and online videos enhance the text.

Key Highlights

A full spectrum of treatment modalities and [outcomes](#), including open surgery, [endoscopic](#) approaches, [stereotactic radiosurgery](#), [radiotherapy](#), [endovascular techniques](#), and [revascularization](#)

An anatomy chapter featuring stunning [Rhoton](#)-style anatomical dissections delineates critical [landmarks](#) in the brainstem, thalamus, [pineal region](#), and [cranial nerves](#). Detailed discussion of patient [positioning](#) and exposure of various brainstem domains [Pearls](#) on overcoming psychological, pathological, and anatomical barriers and managing [complications](#) Understanding the basic anatomy, pathology, and clinical complexities of the brainstem and thalamic regions is essential for safe [navigation](#) and treatment. This remarkable book will provide neurosurgeons with additional insights on performing resections and achieving the best possible outcomes for patients with pathologic conditions in this delicate region.

This book includes complimentary access to a digital copy on <https://medone.thieme.com>.

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