| **TITLE** | Meningiomas of the Skull Base  
Treatment Nuances in Contemporary Neurosurgery |
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**EDITORS**

- Paolo Cappabianca  
  Division of Neurosurgery  
  Univ. degli Studi di Napoli Federici II  
  Napoli, Italy
- Domenico Solari  
  Division of Neurosurgery  
  Univ. degli Studi di Napoli Frederici II  
  Napoli, Italy

**DESCRIPTION**

Meningiomas, the second most frequent of intracranial tumors, are characterized by a protean range of possible locations and appearances, due to their origin from the extensive and intricately formed meninges. As such, a wide variety of differential diagnoses is typical, and the therapies chosen are necessarily highly variable.

The introductory chapters of this book cover the pathology of these tumors, the evolution of special surgical methods, instrumentation, intraoperative monitoring, and the role of radiosurgery. Ten surgical chapters cover the individual regions of occurrence, including the sphenoid wing, olfactory groove, cerebellopontine angle, etc., all of which require a specialized approach and therapeutic strategy.

**SALES HOOKS**

- Meningiomas are the most common and one of the most fascinating skull base lesions.
- The strategies in this book keep a special focus on preserving quality of life in patients
- These authors are world experts in the field
- Discussion of pathology and therapy organized by anatomic location of the lesions with the goal of providing best patient outcomes
- New WHO meningioma classification system based on most recent research in growth patterns, gene sequencing, and molecular patterns of development
- Important updated on the newest developments in treatment modalities for meningiomas, including the lesser invasive radiotherapy and radiosurgery for the smaller lesions and to avoid the necessity of performing radical surgery

**COMPETITION**

There is no competition.
CONTENTS

1. Introduction
2. The Evolution of Surgery—the Soul of Neurosurgery
3. Inside the Pathology
4. Exogenous Factors Affecting Meningiomas
5. Instrumentation (Micro, Endo, IGS, MRI Application)
6. Intraoperative Neurophysiologic Monitoring during Surgery
7. Role of Stereotactic Radiosurgery
8. Sphenoid Wing Meningiomas
9. Clival Meningiomas
10. Petroclival Meningiomas
11. Olfactory Groove Meningiomas
12. Middle Fossa Floor Meningiomas
13. Cerebellopontine Angle Meningiomas
14. Foramen Magnum Meningiomas
15. Tuberculum Sellae/Planum Meningiomas
16. Cavernous Sinus Meningiomas
17. Reconstruction of the Skull Base
18. Management of Recurrent Skull Base Meningiomas
19. Natural History and Adjunctive Modalities of Treatment
20. Complications in the Management of Skull Base Meningioma