

Χαρακτηριστικά:

- Provides expert guidance on diagnosis, histopathology, natural history, anatomy, imaging, and treatment options and their risks and benefits—all with the goal of helping patients make informed decisions about the optimal management choices for their own individual cases.
- Facilitates articulate, data-driven discussion and regarding the clinical diagnosis and surgical procedures involved in treating AVMs.
- Addresses specific, difficult issues that arise during the treatment of AVMs, offering real-world advice to neurosurgeons and other care providers.
- Includes key pearls in every chapter, as well as stunning anatomical illustrations throughout.
- An eBook version is included with purchase. The eBook allows you to access all of the text, figures and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud.

Περιεχόμενα:

i. Acknowledgements

ii. Preface

iii. Foreword

- 1 Anatomy and Histology of Intracranial AVMs
- 2 Pathology and Genetics
- 3 Radiographic Anatomy: CT/MRI/Angiography and Risks
- 4 Molecular Biology
- 4 MRI Neurovascular Evaluation: Blood Flow, Perfusion, Diffusion, and Susceptibility
- 5 Natural History of Intracranial AVMs
- 6 Aneurysms Associated with Intracranial AVMs
- 7 Hemodynamic Factors: Vascular Steal and Breakthrough Bleeding
- 8 Classification Systems
- 9 Seizures and Intracranial AVMs
- 10 Decision Analysis for Asymptomatic Lesions
- 11 Decision Analysis for Symptomatic Lesions
- 12 Decision Analysis for Associated Aneurysms
- 13 Surgical Principles: Techniques, Goals, and Outcomes
- 14 Radiosurgery Principles for AVM Management: Techniques, Goals, and Outcomes
- 15 Principles of Neuroendovascular Management of AVMs: Goals, Timing, Techniques, and Outcomes
- 16 Multimodal/Combined Therapy: Goals and Outcomes
- 17 Palliation Versus Observation: Nonresectable AVMs
- 18 Conservative Management ("Observation") of Intracranial AVMs
- 19 Grading Systems and Surgical Risks
- 20 Risks of Endovascular Treatment of iAVMs
- 21 Risks of Combined Therapies

22	Risks of Radiosurgery
23	Emergency Management of Ruptured Intracranial Arteriovenous Malformations
24	Medical Comorbidities in Elective Surgery
25	Anesthetic Management of Intracranial AVMs
26	Management of Perioperative Complications During iAVM Treatment
27	Intracranial AVMs and the Neurointensivist
28	Obstetric Considerations in AVM Management
29	Preoperative, Intraoperative, and Postoperative Imaging
30	Giant Intracranial AVMs
31	Treatment of Eloquent Cortex AVMs
32	Brain Stem and Posterior Fossa AVM's
33	Corpus Collosal and Peri-Ventricular AVM's
34	AVMs of the Sylvian Fissure
35	Pediatric AVMs
36	Residual AVMs
37	Intraoperative AVM Rupture
38	The Value of a Registry
39	Imaging Predictors for Rupture
40	Radiosurgical Innovations
41	Molecular Biology and Novel Treatments of Intracranial Arteriovenous Malformations
42	Surgical Innovations
iv.	index and other frontmatter