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Nota di contenuto	Front Cover; Contents; Contributors; Preface; 1. Vascular anatomy of the head, neck, and skull base; 2. Applied neurovascular anatomy of the brain and skull; 3. Vascular anatomy of the spine and spinal cord; 4. Intracranial collateral routes and anastomoses; 5. Management of cerebrovascular variants; 6. CT imaging and physiologic techniques in interventional neuroradiology; 7. MR angiography: Basic principles and applications in the CNS; 8. Ultrasonographic imaging and physiologic techniques in interventional neuroradiology 9. Non-shunting cerebrovascular anomalies: Cavernous, capillary, and venous malformations10. Diagnosis and management of cerebral vasculitis; 11. Techniques and devices in interventional neuroradiology; 12. Balloon occlusion, Wada, and pharmacological testing; 13. Endovascular management of tumors and vascular malformations of the head and neck; 14. Dissections of the carotid and vertebral arteries; 15. Direct carotid cavernous fistula; 16. Endovascular management of intracranial aneurysms; 17. Endovascular management of cerebral vasospasm post-subarachnoid hemorrhage 18. Endovascular management of brain arteriovenous malformations19. Endovascular treatment of acute ischemic stroke; 20. Endovascular treatment of extracranial carotid atherosclerotic disease; 21. Stenting

and angioplasty for intracranial atherosclerotic occlusive disease; 22. Endovascular management of dural arteriovenous fistulas; 23. Diagnosis and management of cerebral venous and dural sinus thrombosis; 24. Inferior petrosal sinus sampling in the diagnosis of pituitary adenomas; 25. Diagnosis and management of pediatric cerebrovascular disease
26. Diagnosis and management of uncommon and genetic cerebrovascular diseases
27. Endovascular treatment of spinal vascular malformations; 28. Neuroendovascular aspects of cerebrovascular disease in pregnancy; 29. Percutaneous vertebral augmentation; 30. Neurocritical care management of endovascular patients; 31. Anesthesia for interventional neuroradiology; Back Cover

Sommario/riassunto

Crossing the boundaries of classically delineated medical and surgical specialties including neurosurgery, neuroradiology, and neurology, Interventional Neuroradiology uses advanced neuroimaging combined with endovascular techniques to guide catheters and devices through blood vessels to treat disease involving structures of the head, neck, and central nervous system. Through the combination of the latest imaging modalities and microdevice delivery, interventional neuroradiologic techniques are currently revolutionizing therapy of many of the most common neurological and neurosurgical disorders. These advances now provide noninvasive treatment for many disorders that were previously treated only with open surgical techniques, and make treatments possible for many patients - who until recently would have had no acceptable therapeutic options--Provided by publisher.
