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Altri autori (Persone)	WhiteRodney A HollierLarry H
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Nota di contenuto	Vascular Surgery : Basic Science and Clinical Correlations; Contents; Contributors; Preface; Acknowledgments; I. Vascular pathology and physiology; 1. Embryology and development of the vascular system; 2. Vascular wall physiology; 3. Hemostasis and coagulation; 4. Molecular aspects of atherosclerosis; 5. Localization of atherosclerotic lesions; 6. Pathogenesis of arterial fibrodysplasia; 7. Physiology of vasospastic disorders; 8. Buerger's disease; 9. Ergotism; 10. Arteritis; 11. Adventitial cystic disease; 12. Entrapment syndromes; 13. Intimal hyperplasia; 14. Thoracic outlet syndrome 15. Aneurysmal disease 16. Pathophysiology of renovascular hypertension; 17. Pathophysiology, hemodynamics, and complications of venous disease; 18. Physiologic changes in lymphatic dysfunction; 19. Physiologic changes in visceral ischemia; 20. Natural history of atherosclerosis in the lower extremity, carotid, and coronary circulations; 21. Neurologic basis for sympathetically maintained pain:

causalgia and reflex sympathetic dystrophy; 22. Compartment syndromes physiology; 23. Physiology of reperfusion injury; 24. Cerebral ischemia; 25. Pathophysiology of spinal cord ischemia 26. Vascular erectile dysfunction: mechanisms and current approaches 27. Portal hypertension: pathophysiology and clinical correlates; II. Noninvasive vascular diagnostics; 28. Physiologic basis of hemodynamic measurement; 29. Spectral analysis; 30. Ultrasound imaging; 31. Radionuclide scanning; 32. Computed tomography; 33. Magnetic resonance imaging; III. Invasive vascular diagnostics; 34. Angiography; 35. Intravascular ultrasound; 36. Angioscopy in peripheral vascular surgery; IV. Medical management; 37. Atherosclerosis: risk factors and medical management 38. Pharmacologic intervention: thrombolytic therapy 39. Pharmacologic intervention: vasodilation therapy and rheologic agents; 40. Pharmacologic intervention: lipid-lowering agents; 41. Infections and antibiotics in vascular surgery; V. Endovascular interventions for vascular disease; 42. Catheter-based approaches to the treatment atheroembolic disease; 43. Balloon angioplasty and transluminal recanalization devices; 44. Endovascular stents; 45. Endovascular prostheses for repair of abdominal aortic aneurysms; VI. Comparison of conventional vascular reconstruction and endovascular techniques 46. Surgical and endovascular treatment of chronic ischemia of the lower limbs 47. Aortoiliac endovascular recanalization compared with surgical reconstruction; 48. Endovascular stent-graft repair of thoracic aortic aneurysms and dissections; 49. Brachiocephalic vascular reconstructions compared with endovascular repair; 50. Carotid endarterectomy compared with carotid angioplasty and stenting; 51. Endovascular intervention for venous occlusion compared with surgical reconstruction; Index; Colour plate section

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## Sommario/riassunto

This second edition of a very successful vascular surgery text was developed in order to address significant changes that have occurred in contemporary vascular surgery and to highlight new information that has developed regarding vascular imaging, interventional and endovascular procedures. The overall length of the text is slightly shorter than the first edition with relevant core chapters being retained to emphasize the basic science nature of the text, with approximately 60% of the material undergoing major revisions or being new chapters. The significant change from the first text

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