

Χαρακτηριστικά:

- Presents **indications, techniques, and results** of the spectrum of open vascular operations including carotid endarterectomy, repair of abdominal aortic aneurysm, aorto-femoral bypass, and infra-inguinal bypass, as well as management of varicose veins and deep venous occlusive disease
- Enhances your study with **superb, easy-to-follow illustrations**: line drawings, photographs, duplex ultrasound, magnetic resonance angiography, CT angiography, and catheter-based contrast angiography
- Contains coverage of **new topics** such as the aortopathies, newer contemporary approaches to vascular imaging, preoperative risk factor assessment and management, and postoperative critical care
- Includes **new chapters** on management of the developmental anomalies of the popliteal artery, management of upper extremity arterial and venous disease, hybrid approach for aneurysms of the ascending aorta and aortic arch, vena cava filters, venous compression syndromes, management of compartment syndromes, pediatric vascular surgery, and the construction of a hybrid operating suite with robotic capability
- Provides up-to-date coverage of the increasingly important role of **endovascular intervention** in the vascular surgeon's practice
- Details the latest **medical management of vascular disease** including treatment of hypertension, risk factor modification, and the use of anti-platelets, anti-coagulants, and statins
- **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. Additional digital ancillary content may publish up to 6 weeks following the publication date

Περιεχόμενα:

Section 1 Introduction

1. A History of Vascular Surgery
2. Embryology of the Vascular System

Section 2 General Principles

3. Anatomy, Physiology, and Pharmacology of the Vascular Wall
4. Anatomy and Surgical Exposure of the Vascular System
5. Hemodynamics for the Vascular Surgeon
6. Hemostasis and Thrombosis
7. Atherosclerosis: Pathology, Pathogenesis, and Medical Management
8. Nonatherosclerotic Vascular Disease

9. Venous Vascular Malformations
10. Congenital Arterial Malformations
11. Antibiotic Prophylaxis in Vascular Disease Management
12. Patterns of Diabetic Vascular Disease
13. Medical Management of Vascular Disease, Including Pharmacology of Drugs used in Vascular Disease Management
14. The Noninvasive Vascular Diagnostic Laboratory
15. Principles of Imaging in Vascular Disease

Section 3 Arterial Occlusive Disease

16. Vascular Grafts: Characteristics and Rational Selection
17. Introduction to Endovascular Surgery: Arterial Access, Guide Wires, Catheters, Sheaths, Angioplasty Catheters, and Stents
18. Atherectomy and Arterial Closure Devices: selection, technique and results
19. Extracranial Cerebrovascular Disease: The Carotid Artery
20. Surgical Reconstruction of the Supra-Aortic Trunks and Vertebral Arteries
21. Endovascular Repair of Extracranial Cerebrovascular Lesions
22. Carotid Body Tumors: Diagnosis and Surgical Management
23. Surgical Management of Aortoiliac Occlusive Disease
24. Angioplasty and Stenting for Aorto-Iliac Occlusive Disease: Technique and Results
25. Diagnosis and Surgical Management of the Visceral Ischemic Syndromes
26. Diagnosis and Management of Renal Vascular Occlusive Disease
27. Angioplasty and Stenting for Mesenteric and Renal Artery Disease
28. Surgical Management of Femoral, Popliteal, and Tibial Arterial Occlusive Disease
29. Endoscopic Harvesting of the Saphenous Vein
30. Infrainguinal Endovascular Reconstruction: Technique and Results
31. Endovascular Repair of Infrapopliteal Arterial Occlusive Disease
32. Thoracic and Lumbar Sympathectomy: Indications, Technique, and Results
33. Thoracic Outlet Syndrome and Vascular Disease of the Upper Extremity
34. Natural History and Nonoperative Treatment of Chronic Lower Extremity Ischemia
35. Thrombolysis for Arterial and Graft Occlusions: Technique and Results

Section 4 Arterial Aneurysm Disease

36. Descending Thoracic and Thoracoabdominal Aortic Aneurysms: General Principles and Open Surgical Repair
37. Endovascular Repair of Thoracic Aortic Aneurysm
38. Combined Endovascular and Surgical (Hybrid) Approach to Aortic Arch and Thoracoabdominal Aortic Pathology
39. Fenestrated-Branched and Parallel Stent-Grafts for Endovascular Repair of Aortic Arch and Thoracoabdominal Aortic Aneurysms
40. Acute and Chronic Aortic Dissection: Medical Management, Surgical Management, Endovascular Management, and Results
41. Aneurysms of the Aorta and Iliac Arteries
42. Endovascular Repair of Juxtarenal (Chimney), Infrarenal, and Iliac Artery Aneurysms

- 43. Open Surgical and Endovascular Management of Ruptured Abdominal Aortic Aneurysm
- 44. Laparoscopic Aortic Surgery for Aneurysm and Occlusive Disease: Technique and Results
- 45. Building a Hybrid Operating Suite including Robotic Capability
- 46. Splanchnic and Renal Artery Aneurysms
- 47. Aneurysms of the Peripheral Arteries
- 48. Surgical and Endovascular Management of Vascular Trauma including aortic transection

Section 5 Venous Disease

- 49. Venous Thromboembolic Disease
- 50. Thrombolysis and Mechanical Thrombectomy for Deep Venous Thrombosis and Pulmonary Embolism
- 51. Surgical Management of Chronic Venous Obstruction
- 52. Endovascular Repair of Chronic Venous Obstruction
- 53. Etiology and Management of Varicose Veins: Surgery, Endovenous Ablation, and Sclerotherapy
- 54. Management of Venous Leg Ulcers
- 55. Portal Hypertension
- 56. Lymphedema
- 57. Hemodialysis and Vascular Access

Section 6 Complications In Vascular Surgery

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- 59. Prosthetic Graft Infection
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- 61. Management of Complications After Endovascular Abdominal Aortic Aneurysm Repair

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- 64. Lower Extremity Amputation
- 65. Anterior Spine Exposure: Operative Techniques for the Vascular Surgeon
- 66. Carotid Sinus Stimulation: Background, Technique, and Future Directions
- 67. Building an Outpatient Interventional Suite