Χαρακτηριστικά:

- Offers **step-by-step instructions** on a full range of image-guided intervention techniques, including discussions of equipment, contrast agents, pharmacologic agents, antiplatelet agents, and classic signs, as well as detailed protocols, algorithms, and SIR guidelines
- Features **new chapters** on pediatrics (covering venous access, GI interventions, biopsies and drainage) and musculoskeletal embolization
- Employs a **streamlined format** with short, digestible chapters for quick reference
- Integrates **patient care and communication tips** throughout to reflect today's direct patient involvement with the interventional radiologist
- Highlights **indications and contraindications** for interventional procedures, and provides tables listing the materials and instruments required for each
- Features **more than 2,300 state-of-the-art images** demonstrating IR procedures, full-color illustrations of anatomical structures and landmarks, and an **expanded video library** online
- **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, make notes and highlights, and have content read aloud. Additional digital ancillary content may publish after the publication date

Περιεχόμενα:

Part 1: Vascular Interventions
Section A: History of Angiography and Intervention
1 A Brief History of Image-Guided Therapy
Section B: Patient Care
2 Patient Preparation and Informed Consent
3 Clinical Vascular Examination
4 Treatment of Medical Emergencies
5 Radiation Safety and Protection in the Interventional Fluoroscopy Environment
6 Pharmacologic Agents Used in Image-Guided Interventions
Section C: Principles of Vascular Intervention
7 Principles of Vascular Access
8 Closure Devices
Section D: Peripheral Arterial Intervention
9 Vascular Anatomy of the Upper Extremity
10 Anatomy of the Lower Limb
Section E: Acute Arterial Disease
11 Acute Arterial Disease
12 Revascularization: Upper Extremity
13 Aortoiliac Revascularization
14 Revascularization: Femoropopliteal
15 Infrapopliteal Revascularization

16 Below the Ankle Vascular Interventions and Deep Venous Arterialization
Section F: Vascular Malformations
17 Congenital Vascular Anomalies: Classification and Terminology
18 Management of Low-Flow Vascular Malformations
19 Management of High-Flow Vascular Anomalies
Section G: Abdominal Vascular Intervention
20 Vascular Anatomy of the Abdominal Aorta and the Inferior Vena Cava
21 Endovascular Aortic Repair
22 Fenestrated and Branched Stent Grafting of Juxtarenal Aortic Aneurysms
23 The Management of Thoracoabdominal Aortic Aneurysms by Branched Endograft Technology
24 Endoleaks: Classification, Diagnosis and Treatment
25 Endovascular Treatment of Dissection of the Aorta and Its Branches
26 Anatomy of Alimentary Tract Vasculature
27 Management of Upper Gastrointestinal Hemorrhage
28 Management of Lower Gastrointestinal Hemorrhage
29 Acute Mesenteric Ischemia
30 Chronic Mesenteric Ischemia
Section H: Renal Vascular Intervention
31 Anatomy of the Renal Vasculature
32 Acute Renal Ischemia
33 Renal Artery Embolization
34 Transvenous Pressure Measurements and Liver Biopsy
35 Chemoembolization for Hepatocellular Carcinoma
36 Transcatheter Embolization of Liver Metastases
37 Embolotherapy for the Management of Liver Malignancies Other Than Hepatocellular Carcinoma
38 Portal Vein Embolization
39 Vascular Interventions in the Liver Transplant Patient
40 Management of Abdominal Visceral Trauma
41 Management of Visceral Aneurysms
Section I: Pelvic Vascular Intervention
42 Vascular Anatomy of the Pelvis
43 Uterine Fibroid Embolization
44 Management of the High-Risk Obstetric Patient
45 Management of Pelvic Hemorrhage in Trauma
46 Percutaneous Management of the Male Varicocele
47 Management of Female Venous Congestion Syndrome
48 Fallopian Tube Recanalization
49 Treatment of High-Flow Priapism and Erectile Dysfunction
50 Prostate Artery Embolization
Section J: Thoracic Vascular Intervention
51 Vascular Anatomy of the Thorax, Including the Heart
52 Management of Thoracic Aortic Aneurysm
53 Management of Acute Aortic Syndromes
54 Embolization for Hemoptysis

55 Pulmonary Arteriovenous Malformations: Diagnosis and Management
56 Percutaneous Interventions for Acute Pulmonary Embolism
Section K: Neurovascular and Head and Neck Imaging
57 Craniocervical Vascular Anatomy
58 Arterial Anatomy of the Spine and Spinal Cord
59 Use of Skull Views in the Visualization of Cerebral Vascular Anatomy
60 Cerebral Functional Anatomy and Rapid Neurologic Examination
61 Carotid Revascularization
62 Acute Stroke Management
63 Endovascular Management of Chronic Cerebral Ischemia
64 Management of Head and Neck Tumors
65 Endovascular Management of Epistaxis
66 Subarachnoid Hemorrhage
67 Management of Head and Neck Injuries
68 Cervical Artery Dissection
Section L: Venous Intervention
69 Superior Vena Cava Occlusive Disease
70 Chronic Deep Venous Disease of the Lower Extremity
71 Acute Extremity Venous Occlusive Disease
72 Portal-Mesenteric Venous Thrombosis
73 Caval Filtration
74 Percutaneous Management of Varicose Veins
75 Foreign Body Retrieval
76 Venous Sampling for Endocrinologic Diseases
Section M: Intervention in Portal Hypertension
77 Transjugular Intrahepatic Portosystemic Shunt (TIPS)
78 Balloon-Occluded Retrograde Transvenous Obliteration of Gastric Varices
Section N: Hemodialysis Access Management
79 Surveillance and Management of Failing Hemodialysis Access
80 Management of Clotted Hemodialysis Access Grafts
81 Percutaneous Arteriovenous Fistula Creation
Section O: Venous Access
82 Peripherally Inserted Central Catheters and Nontunneled Central Venous Catheters
83 Tunneled Central Venous Catheters
84 Subcutaneous Ports
85 Thoracic Duct Embolization for Postoperative Chylothorax
Part 2: Nonvascular Interventions
Section P: Percutaneous Biopsy and Abscess
86 Percutaneous Biopsy and Abscess Drainage in the Abdomen and Pelvis
Section Q: The Gastrointestinal Tract
87 The Role of Stenting in the GI Tract
88 Gastrostomy and Jejunostomy
89 Management of Malignant Biliary Tract Obstruction
Section R: The Biliary Tract

90 Management of Benign Biliary Strictures
91 Management of Biliary Leaks
92 Percutaneous Cholecystostomy
93 Percutaneous Management of Biliary Calculi
Section S: The Liver Tract
94 Thermal Ablation of Liver Lesions
95 Nonthermal Ablation of Liver Lesions
Section T: The Genitourinary Tract
96 Percutaneous Renal Drainage Procedures
97 Ablation for Renal Cell Carcinoma
98 High-Intensity Focused Ultrasound Treatment of Genitourinary Lesions
Section U: The Thorax
99 Percutaneous Biopsy and Drainage of the Lung, Mediastinum, and Pleura
100 Percutaneous Lung Ablation
101 Breast Biopsies, Localization and Ablation
102 Tracheobronchial Interventions
Section V: The Musculoskeletal System
103 Image-Guided Percutaneous Biopsy of Musculoskeletal Lesions
104 Ablation and Combination Treatments of Musculoskeletal Lesions
105 Vertebroplasty and Kyphoplasty
106 Disc Interventions: Minimally Invasive Techniques
107 Peripheral Nerve Interventions
108 Nerve Root and Facet Blocks and Pain Intervention
109 Musculoskeletal Embolization
Section W: Pediatrics
110 Venous Access in Children
111 Gastrointestinal Interventions in Children
112 Biopsies and Drainage in Pediatrics