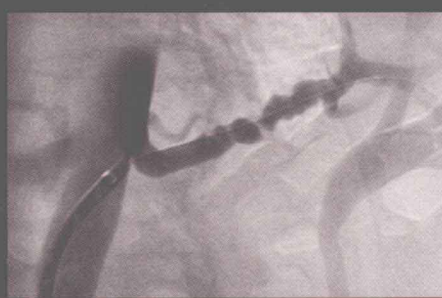
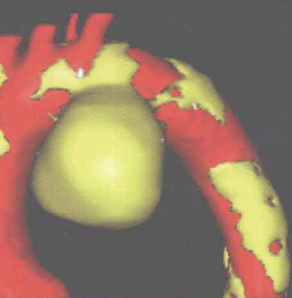


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RUTHERFORD'S Vascular Surgery

SEVENTH EDITION

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RUTHERFORD'S
Vascular Surgery

*This Edition is dedicated to our good friend Robert B. Rutherford, the founder of this textbook,
in recognition of his numerous contributions to the field of vascular surgery.*

*And to the memory of James M. Seeger, an Associate Editor, good friend, and important
contributor to vascular surgery education, whose untimely death leaves a void in our hearts.*

*And to our wives, Debra Cronenwett and Jean Johnston, for their strong
support of our academic endeavors.*

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Congenital Vascular Malformations: Endovascular and Surgical Treatment

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Thoracic and Thoracoabdominal Aneurysms: Open Surgical Treatment

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Mesenteric Vascular Disease: General Considerations

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Nonaortic Stents and Stent-Grafts

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Varicose Veins: Endovenous Treatment

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Lower Extremity Amputation: Techniques and Results

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Superior Vena Cava Obstruction: Surgical Treatment

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Local Complications: Aortoenteric Fistulae

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Acute Ischemia: Treatment

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Thoracic Sympathectomy

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Venous Physiology

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Atherosclerotic Risk Factors: Smoking

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Vascular Laboratory: Arterial Physiologic Assessment

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Cerebrovascular Disease: Decision Making and Medical Treatment

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Vascular Laboratory: Venous Duplex Scanning

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Vascular Laboratory: Venous Physiologic Assessment

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Raynaud's Syndrome

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Brachiocephalic Artery Disease: Surgical Treatment

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Diabetic Foot Ulcers

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Arterial Aneurysms: General Considerations

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Coagulopathy and Hemorrhage

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Congenital Vascular Malformations: General Considerations

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Mesenteric Vascular Disease: Chronic Ischemia

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Vascular Laboratory: Venous Duplex Scanning

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Thrombolytic Agents

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Atherosclerotic Risk Factors: General Considerations

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Hypercoagulable States

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Intraoperative Management

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Superior Vena Cava Obstruction: Endovascular Treatment

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Renovascular Disease: Fibrodysplasia

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Abdominal Aortic Aneurysms: Ruptured

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Systemic Complications: Respiratory

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Magnetic Resonance Imaging

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Systemic Complications: Respiratory

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Acute Deep Venous Thrombosis: Clinical and Diagnostic Evaluation

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Patient Clinical Evaluation

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Imaging: Evolving Techniques

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Chronic Venous Insufficiency: Treatment of Perforator Vein Incompetence

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Patient Clinical Evaluation

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Cerebrovascular Disease: General Considerations

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Hemodialysis Access: General Considerations

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Thoracic and Thoracoabdominal Aneurysms: Endovascular Treatment

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Splanchnic Artery Aneurysms

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Normal Coagulation

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Cerebrovascular Disease: Diagnostic Evaluation

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Wound Care

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Arteriogenesis

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Aortic Stents and Stent-Grafts

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Local Complications: Endovascular

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Arteriography

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Hemodialysis Access: Failing and Thrombosed

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Aortoiliac Disease: Direct Reconstruction

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Thoracic Outlet Syndrome: Venous

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Infrainguinal Disease: Surgical Treatment

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Compartment Syndrome

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Chronic Venous Disorders: Nonoperative Treatment

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Vertebral Artery Disease

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Systemic Complications: Renal

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Cerebrovascular Disease: Diagnostic Evaluation

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Iliacaval Venous Obstruction: Endovascular Treatment

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Epidemiology and Clinical Analysis

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Varicose Veins: Surgical Treatment

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Local Complications: Aortoenteric Fistulae

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Technique: Endovascular Therapeutic

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Atheromatous Embolization

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Chronic Venous Disorders: Nonoperative Treatment

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Thoracic and Thoracoabdominal Aneurysms: Evaluation and Decision Making

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Vascular Trauma: Extremity

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Nonaortic Stents and Stent-Grafts

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Carotid Artery Disease: Endarterectomy

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Systemic Complications: Cardiac

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Chronic Venous Insufficiency: Treatment of Perforator Vein Incompetence

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Prosthetic Grafts

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Hemodialysis Access: Complex

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Mesenteric Vascular Disease: General Considerations

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Arterial Aneurysms: General Considerations

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Splanchnic Artery Aneurysms

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Lymphedema: Evaluation and Decision Making

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Upper Extremity Arterial Disease: Revascularization

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Carotid Artery Disease: Endarterectomy

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