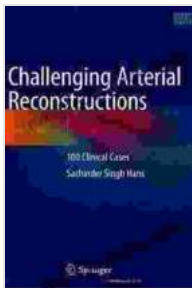


Challenging Arterial Reconstructions: 100 Clinical Cases

Arterial reconstructions are surgical procedures performed to repair or replace damaged or diseased arteries. These procedures can be complex and challenging, requiring a high level of surgical skill and expertise. This article presents 100 clinical cases of challenging arterial reconstructions, providing detailed descriptions, images, and expert analysis.



Challenging Arterial Reconstructions: 100 Clinical Cases by Jana DeLeon

★★★★☆ 4.7 out of 5

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Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 933 pages
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Case 1: Aortic Aneurysm with Iliac Artery Occlusion

A 70-year-old male with a history of hypertension and smoking presented with abdominal pain and a pulsatile mass in his abdomen. Imaging revealed a large aortic aneurysm with occlusion of the left iliac artery. The patient underwent a complex open repair involving aortic replacement and left iliac artery bypass. **(Image 1)**

Case 2: Carotid Artery Stenosis with Thromboembolism

A 65-year-old female with a history of hyperlipidemia and diabetes presented with transient ischemic attacks. Imaging revealed severe stenosis of the right carotid artery with evidence of thromboembolism. The patient underwent carotid endarterectomy with stenting to restore blood flow to the brain. **(Image 2)**

Case 3: Femoropopliteal Bypass Grafting with Vein Graft

A 50-year-old male with a history of smoking and peripheral artery disease presented with leg pain and claudication. Imaging revealed severe stenosis of the left femoropopliteal artery. The patient underwent a bypass grafting procedure using a great saphenous vein as the graft material. **(Image 3)**

Case 4: Subclavian Artery Thrombosis with Axillary-Axillary Bypass

A 40-year-old female with a history of trauma presented with upper extremity pain and weakness. Imaging revealed thrombosis of the right subclavian artery. The patient underwent axillary-axillary bypass to restore blood flow to the arm. **(Image 4)**

Case 5: Renal Artery Stenosis with Stent Placement

A 60-year-old male with a history of hypertension presented with elevated creatinine levels and renal insufficiency. Imaging revealed stenosis of the right renal artery. The patient underwent renal artery angioplasty with stent placement to improve blood flow to the kidney. **(Image 5)**

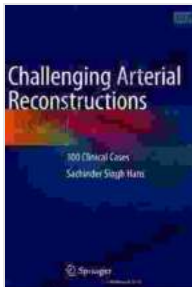
Expert Analysis

These cases highlight the diverse challenges encountered in arterial reconstruction surgery. The expert analysis provides valuable insights into the surgical techniques, decision-making process, and potential

complications associated with these procedures. The discussions cover topics such as:

- Patient selection and preoperative evaluation
- Surgical approach and techniques
- Graft selection and management
- Postoperative complications and management
- Long-term outcomes and surveillance

Challenging arterial reconstructions require a comprehensive understanding of vascular anatomy, surgical techniques, and potential complications. The 100 clinical cases presented in this article provide a valuable resource for vascular surgeons and healthcare professionals seeking to improve their knowledge and skills in this complex field.



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Cases by Jana DeLeon

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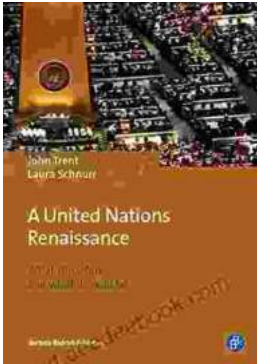
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