

# Contents

<b>Foreword</b> .....	v
<b>Preface</b> .....	vii
<b>Contributors</b> .....	xiii
<b>1 Genetics of Abdominal Aortic Aneurysms</b> .....	1
John H. Lillvis, Guy M. Lenk, and Helena Kuivaniemi	
<b>2 Inflammatory Pathogenesis and Pathophysiology of Abdominal Aortic Aneurysms</b> .....	27
William H. Pearce and Vera P. Shively	
<b>3 Contemporary Imaging of Aortic Disease</b> .....	35
Peter S. Liu and David M. Williams	
<b>4 Medical Management of Small Aortic Abdominal Aortic Aneurysms</b> .....	57
B. Timothy Baxter	
<b>5 Surgical Treatment of Nonruptured Infrarenal Abdominal Aortic Aneurysms</b> .....	71
Michael Wilderman and Gregorio Sicard	
<b>6 Patient Selection Criteria for Endovascular Aortic Aneurysm Repair</b> .....	95
Venkataramu N. Krishnamurthy and John E. Rectenwald	
<b>7 Endovascular Repair of Abdominal Aortic Aneurysms</b> .....	121
Sheela T. Patel and Juan C. Parodi	
<b>8 Complications and Secondary Procedures after Elective Endovascular Aortic Aneurysm Repair</b> .....	133
Matthew J. Sideman and Kevin E. Taubman	

<b>9 Fenestrated Endovascular Stent-Grafts: Current Applications.....</b>	<b>149</b>
E.L.G. Verhoeven, C.J. Zeebregts, I.F.J. Tielliu, T.R. Prins, W.T.G.J. Bos, A.O. Sondakh, and J.J.A.M. van den Dungen	
<b>10 Open Surgical Treatment of Pararenal Abdominal Aortic Aneurysms.....</b>	<b>159</b>
James C. Stanley	
<b>11 Pelvic Ischemia During Endovascular Abdominal Aortic Aneurysm Repair .....</b>	<b>169</b>
Juan Fontcuberta, Manuel Doblas, Antonio Orgaz, Angel Flores, Jose Gil, Ignacio Leal, and Enrique Criado	
<b>12 Open Operative Therapy for Ruptured Abdominal Aortic Aneurysm .....</b>	<b>183</b>
Loay S. Kabbani and Gilbert R. Upchurch, Jr.	
<b>13 Endovascular Repair of Ruptured Abdominal Aortic Aneurysm .....</b>	<b>197</b>
Paul J. Riesenman and Mark A. Farber	
<b>14 Complications After Endovascular Ruptured Abdominal Aortic Aneurysm Repair.....</b>	<b>207</b>
Jonathan L. Eliason and Todd E. Rasmussen	
<b>15 Treatment of Mycotic Abdominal Aortic Aneurysms and Infected Aortic Grafts.....</b>	<b>217</b>
J. Gregory Modrall	
<b>16 Evaluation and Management of Aortoenteric Fistula .....</b>	<b>237</b>
Martin J. Carignan and Marc A. Passman	
<b>17 Management of Abdominal Aortic Aneurysm in the Setting of Coexistent Renal and Splanchnic Disease.....</b>	<b>247</b>
Houman Tamaddon, Peter Ford, and Robert Mendes	
<b>18 Management of Abdominal Aortic Aneurysms in Patients with Renal Ectopia and Renal Fusion .....</b>	<b>263</b>
Patrick J. O'Hara	
<b>19 Abdominal Aortic Aneurysms in Transplant Patients .....</b>	<b>277</b>
Michael J. Englesbe	
<b>20 Inferior Vena Cava: Embryology and Anomalies.....</b>	<b>289</b>
Brian Knipp, Paul Knechtges, Thomas Gest, and Thomas Wakefield	
<b>21 Aortocaval Fistula .....</b>	<b>309</b>
Tamara N. Fitzgerald, Bart E. Muhs, and Alan Dardik	

<b>22</b>	<b>Acute Limb Ischemia After Abdominal Aortic Aneurysm Repair.....</b>	315
	Paul J. Riesenman and William A. Marston	
<b>23</b>	<b>Mesenteric Ischemia Following Abdominal Aortic Aneurysm Repair .....</b>	325
	Kerianne H. Quanstrum and Gilbert R. Upchurch, Jr.	
<b>24</b>	<b>Operative Therapy for the Descending and Thoracoabdominal Aorta.....</b>	337
	Himanshu J. Patel, Gilbert R. Upchurch Jr., and G. Michael Deeb	
<b>25</b>	<b>Endovascular Repair of Thoracic Aortic Aneurysms .....</b>	343
	Timothy A. M. Chuter	
<b>26</b>	<b>Evaluation and Treatment of Isolated Common Iliac Artery Aneurysms .....</b>	353
	Guillermo A. Escobar and Enrique Criado	
<b>27</b>	<b>Diagnosis, Evaluation, and Management of Isolated Hypogastric Artery Aneurysms .....</b>	359
	Gautam Agarwal and Enrique Criado	
<b>28</b>	<b>True Femoral and Popliteal Artery Aneurysms: Clinical Features and Treatment.....</b>	363
	K. Barry Deatrick and Peter K. Henke	
<b>Index.....</b>		375