

CONTENTS

Dedications v

Preface vii

Contributors xi

Companion CD xiii

PART I CLINICAL EXPERIENCE

1 Epidemiology and Significance of Carotid Artery Stenosis 3
Anthony Y. Fung and Jacqueline Saw

2 Medical Therapy for Carotid Artery Stenosis 11
David S. Lee

3 Carotid Endarterectomy:
Techniques and Evidence-Based Medicine 33
Joël Gagnon and York N. Hsiang

4 Carotid Angioplasty and Stenting Trials:
A Historical Perspective and Evidence-Based Medicine 47
David S. Lee and Jay S. Yadav

5 Cerebrovascular Anatomy 65
Ravish Sachar and Samir Kapadia

6 Noninvasive Imaging of the Carotid Artery 83
*J. Emilio Exaire, Mikhael Mazighi,
Jacqueline Saw, and Alex Abou-Chebl*

7 Cerebrovascular Angiography 99
*J. Emilio Exaire, Jacqueline Saw,
and Christopher Bajzer*

8 Indications for Carotid Artery Stenting 111
Cameron Haery, Sharat Koul, and Deepak L. Bhatt

PART II TECHNIQUES OF CAROTID AND VERTEBRAL ARTERY STENTING

9 The Approach to Extracranial Carotid Artery Stenting 131
Jacqueline Saw and Jay S. Yadav

10 Equipment for Extracranial Carotid Artery Stenting 147
Jacqueline Saw and J. Emilio Exaire

11 Emboli Protection Devices 159
Jacqueline Saw

12 Complications of Carotid Artery Stenting 175
Jacqueline Saw

13	The Approach to Intracranial Carotid Artery Intervention	189
	<i>Ivan P. Casserly and Jay S. Yadav</i>	
14	The Approach to Intracranial and Extracranial Vertebral Artery Stenting	211
	<i>J. Emilio Exaire and Jacqueline Saw</i>	
15	Endovascular Treatment of Acute Ischemic Stroke	229
	<i>Mikhael Mazighi, Qashim Bashir, and Alex Abou-Chebl</i>	

PART III CHALLENGING CASE ILLUSTRATIONS AND PEARLS

16	Case: Left Carotid Artery Stenting with a Challenging Type III Aortic Arch	249
	<i>Jacqueline Saw</i>	
17	Case: Stenting of a Tortuous Left Internal Carotid Artery	259
	<i>J. Emilio Exaire</i>	
18	Case: Stenting of a Critical Internal Carotid Artery Stenosis with String Sign	265
	<i>Jacqueline Saw</i>	
19	Case: Stenting of a Carotid Endarterectomy Patch Restenosis and Aneurysm	275
	<i>J. Emilio Exaire</i>	
20	Case: Carotid Stenting with Slow Flow and Distal Embolization	283
	<i>J. Emilio Exaire</i>	
21	Case: Acute Stroke Intervention with a Large Thrombotic Burden	289
	<i>Jacqueline Saw</i>	
22	Case: Left Internal Carotid Artery Stenting in a Bovine Aortic Arch	295
	<i>David S. Lee</i>	
23	Case: Right Carotid Artery Stenting via Right Brachial Artery Approach	305
	<i>David S. Lee</i>	
24	Case: Ostial Innominate Artery Intervention	317
	<i>David S. Lee</i>	
Index	329



<http://www.springer.com/978-1-58829-605-4>

Handbook of Complex Percutaneous Carotid
Intervention

Saw, J.; Exaire, J.; Lee, D.S.; Yadav, S. (Eds.)

2007, XIV, 334 p. 180 illus., Hardcover

ISBN: 978-1-58829-605-4

A product of Humana Press