

Contents

List of Authors

Introduction

(B. J. Schaller, Stockholm, Sweden)

1. Imaging examination techniques of carotid artery

1.1 The pathology of atherosclerosis

(H. W. Strauss and M. P. Dunphy, New York, USA)

1.2 Correlation of carotid artery pathology and morphology in imaging

(W. S. Kerwin, Seattle, USA)

1.3 Sonographic evaluation in carotid artery stenosis

(B. K. Lal, New Jersey, USA)

1.4 Digital subtraction angiography in carotid artery stenosis

(A. Srinivasan and M. Goyal, Ottawa, Canada)

1.5 Computed tomography imaging in carotid artery stenosis

(M. Berg, R. Canninen and H. Manninen, Kuopio, Finland)

1.6 Intracerebral imaging and carotid artery stenosis

(K.-O. Lövblad, Geneva, Switzerland)

1.7 Positron emission tomography imaging in carotid artery stenosis

(C. P. Derdeyn, St. Louis, USA)

2. Specific pathologic problems in carotid artery imaging

2.1 Atherosclerotic plaque characterisation by imaging

(S. P. S. Howarth, J. U. King-Im and J. H. Gillard, Cambridge, United Kingdom)

2.2 Imaging findings in carotid artery dissection

(C. Chaves and G. Lee, Burlington, USA)

2.3 High suited carotid artery stenosis and imaging

(B. Butz, Regensburg, Germany)

2.4 Intracranial magnetic resonance and vascular imaging in patients with extracranial carotid stenosis

(A. D. Mackinnon, A. D. Platts and D. J. H. McCabe, London, United Kingdom)

3. From imaging to therapy in carotid artery stenosis

(K. Bettermann and J. F. Toole, Winston-Salem, USA)

4. Therapy and carotid artery imaging

4.1 Imaging of extracranial to intracranial bypass

(H. J. N. Streefkerk, C. A. F. Tulleken, J. Hendrikse and C. J. M. Klijn, Nijmegen and Utrecht, The Netherlands)

4.2 Imaging after surgical thrombendarterectomy of the carotid artery

(H. Katano and K. Yamada, Nagoya, Japan)

4.3 Imaging after carotid stenting

(G. M. Biasi, A. Froio and G. Deleo, Milano, Italy)

5. Imaging in carotid artery stenosis: Prospects to the future

(B. J. Schaller, H. C. Ludwig and M. Buchfelder, Göttingen, Germany)