

Contents

Foreword	vii
<i>Franco Servadei</i>	
Foreword	viii
<i>P. S. Ramani</i>	
Foreword	x
<i>Edward C. Benzel</i>	
Preface	xi
Acknowledgments	xii
Contributors	xiii
01. Cervical Spondylotic Myelopathy: A Historical Review	1
<i>George J. Dohrmann and Jutty Parthiban</i>	
02. Pathophysiology of Cervical Spondylotic Myelopathy and OPLL	7
<i>P. S. Ramani, Sumeet Sasane, and Achal Gupta</i>	
03. Incidence and Natural Course of Cervical Spondylotic Myelopathy OPLL	20
<i>Mehmet Zileli and Nevhis Akintürk</i>	
04. Biomechanics of the Healthy and the Degenerative Cervical Spine	26
<i>Francesco Costa and Fabio Galbusera</i>	
05. Clinical Tests and Differential Diagnosis of Cervical Spondylotic Myelopathy	38
<i>Jesus Lafuente</i>	
06. Imaging Methods in Cervical Spondylotic Myelopathy	60
<i>Mehmet Zileli, Onur Yaman, and Salman Sharif</i>	
07. Electrophysiological Techniques for Cervical Spondylotic Myelopathy	71
<i>Krešimir Rotim and Marina Zmajević Schönwald</i>	
08. Conservative Nonoperative Treatment or Follow-up for Mild Cervical Spondylotic Myelopathy	95
<i>Nobuyuki Shimokawa and Toshihiro Takami</i>	
09. Surgical Indications and Preferences for Cervical Spondylotic Myelopathy and OPLL	105
<i>Salman Sharif, Sandeep Vaishya, Syed Maroof Ali, and Yousuf Shaikh</i>	
10. Cervical Anterior Decompression and Fusion Techniques	131
<i>Ibet Marie Y. Sih, Karlo M. Pedro, Scott C. Robertson, and Salman Sharif</i>	
11. Anterior Cervical Body Replacement with Expandable Cylindrical Cages for Cervical Spondylotic Myelopathy and OPLL	144
<i>Joachim M.K. Oertel and Anna Prajsnar-Borak</i>	
12. Cervical Oblique Corpectomy	154
<i>Oscar L. Alves and D'jamel Kitumba</i>	
13. Anterior Controllable Antedisplacement and Fusion Surgery for Multisegmented OPLL	164
<i>Zhenlei Liu, Zan Chen, and Fengzeng Jian</i>	

14. The Role of Cervical Arthroplasty in the Surgical Treatment of Cervical Spondylotic Myelopathy <i>Oscar L. Alves and Rui Reinas</i>	172
15. Cervical Laminoplasty <i>Se-Hoon Kim and Maurizio Fornari</i>	189
16. Cervical Laminectomy and Fusion <i>Krishna Sharma, Ibet Marie Y. Sih, and Karlo M. Pedro</i>	202
17. Posterior Cervical Fixation Techniques after Laminectomy <i>Jutty Parthiban, Maurizio Fornari, Umesh Srikantha, Francesco Costa, and Carla D. Anania</i>	219
18. Anterior versus Posterior Approach for Spinal Canal Decompression: Indications for Patients with Cervical Myelopathy <i>Nikolay Konovalov, Stanislav Kaprovoy, and Vasilily Korolishin</i>	236
19. Complications of Anterior Cervical Discectomy and Fusion <i>Nicholas Ahye, Joel Passer, Anand Kaul, Scott C. Robertson, Francesco Costa, and Bong-Soo Kim</i>	246
20. Complications of Posterior Cervical Spine Surgery <i>Ben Roitberg, Francesco Costa, and Se-Hoon Kim</i>	268
21. Minimally Invasive Techniques for the Treatment of Cervical Spondylotic Myelopathy and OPLL <i>Marcos Masini and João Flávio G. Madureira</i>	287
22. Technical Challenges and Tips in Minimally Invasive Posterior Decompression in Cervical Spondylotic Myelopathy <i>José Antonio Soriano Sánchez and José Alberto Israel Romero Rangel</i>	293
23. Endoscopic Decompression for Cervical Spondylosis <i>Enrique Osorio-Fonseca, Jorge Felipe Ramírez-León, José Gabriel Rugeles-Ortíz, Nicolás Prada-Ramírez, Carolina Ramírez-Martínez, and Gabriel Oswaldo Alonso-Cuéllar</i>	305
24. Outcome Measures for Patients with Cervical Spondylotic Myelopathy and OPLL <i>Eko Agus Subagio, Abdul Hafid Bajamal, Muhammad Faris, and Khrisna Rangga Permana</i>	315
25. Enhanced Recovery after Surgery (ERAS) Spine Care Pathways for Cervical Spondylotic Myelopathy and OPLL <i>Scott C. Robertson</i>	320
26. Cervical Sagittal Balance <i>R. David Fessler, Onur Yaman, and Richard G. Fessler</i>	333
27. Surgery for Cervical Deformity <i>Toshihiro Takami and Nobuyuki Shimokawa</i>	340
28. Recommendations for Cervical Spondylotic Myelopathy and OPLL <i>Mehmet Zileli and Jutty Parthiban</i>	349
Index	356