

Contents

Section I General complications	1
1 Complication Related to Medical Conditions	3
Umberto Vespasiani Gentilucci and Antonio Picardi	
2 Hematologic Issues in Cervical Spine Surgery	13
Giuseppe Avvisati, Ombretta Annibali, Elisabetta Cerchiara, Marianna De Muro, Rosa Greco, Francesco Marchesi, Carolina Nobile, Odoardo Olimpieri, Azzurra Romeo, and Maria Cristina Tirindelli	
3 Complications in Surgical Management of Cervical Spinal Metastases.	29
Giuseppe Tonini, Bruno Vincenzi, Chiara Spoto, and Daniele Santini	
4 Systematic Approach to the Patient to Minimize Errors of Diagnosis and Surgical Indications	45
Umile Giuseppe Longo, Luca Denaro, and Vincenzo Denaro	
Section II Peri-operative complications	57
5 Considerations and Anesthesiologic Complications in Spinal Surgery	59
Massimiliano Carassiti, Serena Antonelli, Demetrio Panzera, and Felice Eugenio Agrò	
6 General Complications Related to Patient Positioning	69
Luca Denaro and Vincenzo Denaro	
Section III Complications of Surgical Approaches	79
7 Complications Related to Anterior Approaches	81
Luca Denaro, Domenico D'Avella, Umile Giuseppe Longo, and Vincenzo Denaro	
8 Complications Related to Anterolateral Approaches	91
Luca Denaro, Umile Giuseppe Longo, Rocco Papalia, and Vincenzo Denaro	

9 Complications Related to Posterior Approach	109
Luca Denaro, Domenico D'Avella, and Vincenzo Denaro	
Section IV Complications related to osteo-articular diseases	119
10 Degenerative Disk Disease	121
Vincenzo Denaro, Luca Denaro, Alberto Di Martino, Umile Giuseppe Longo, and Nicola Maffulli	
11 Cervical Spine Bone Tumor Surgery	165
Luca Denaro, Alberto Di Martino, Umile Giuseppe Longo, and Vincenzo Denaro	
12 Cervical Spine Traumas	175
Luca Denaro, Umile Giuseppe Longo, Alberto Di Martino, and Vincenzo Denaro	
13 Infections of the Cervical Spine	193
Luca Denaro, Umile Giuseppe Longo, and Vincenzo Denaro	
14 Pitfalls Related to Inflammatory Disorders	203
Alberto Di Martino, Luca Denaro, Umile Giuseppe Longo, and Vincenzo Denaro	
Section V Complications related to neural diseases	219
15 Spinal Cord Neoplasms	221
Luca Denaro and Domenico D'Avella	
16 Syringomyelia	229
Luca Denaro and Domenico D'Avella	
Section VI Miscellanea	237
17 Complications Related to Graft	239
Umile Giuseppe Longo, Luca Denaro, Nicola Maffulli, and Vincenzo Denaro	
18 Pitfalls Related to Inadequate or Incomplete Surgical Technique and Errors of Level	283
Luca Denaro, Rocco Papalia, Nicola Maffulli, and Vincenzo Denaro	
19 Complications Due to Inadequate Cervical Spinal Immobilization	291
Luca Denaro, Domenico D'Avella, Nicola Maffulli, and Vincenzo Denaro	
Index	301