

Contents

Foreword	xi
Preface	xiii
Acknowledgments	xv
Contributors	xvii
1. Craniosynostosis: An Overview <i>Ashok Kumar Mahapatra, Vivek Tandon</i>	1
2. Craniofacial Abnormalities <i>Sheffali Gulati, Shruthi Nellamkuzhiyl Michael</i>	5
3. Embryogenesis of Craniosynostosis <i>Hitesh Gurjar, Seema Singh</i>	13
4. Perioperative Anesthesiological Care for Craniosynostosis Procedures <i>Anna Teresa Mazzeo, Moreno Bolzon, Giuseppe Talamonti</i>	19
5. Imaging in Craniosynostosis <i>Leve Joseph Devarajan Sebastian, Anuj Prabhakar</i>	41
6. Use of 3D Print Technology for Training on Craniosynostosis Surgeries: A Novel Approach <i>Deepak Kumar Gupta, Raghav Singla, Shweta Kedia</i>	49
7. Craniosynostosis: Experience Over 15 Years at the All India Institute of Medical Sciences, New Delhi, a Tertiary Care Center <i>Satish Kumar Verma, Ashok Kumar Mahapatra, Deepak Kumar Gupta</i>	55
8. Mild Trigenocephaly: Treatable or Not <i>Takeyoshi Shimoji</i>	65
9. Anterior Plagiocephaly: An Overview <i>Rajeev Sharma, Subodh Raju, Deepak Kumar Gupta, Ashok Kumar Mahapatra</i>	71
10. Sagittal Craniosynostosis: Nonsurgical Treatment Option and Controversies <i>Sandeep Sood</i>	77
11. Oxycephaly <i>Chidambaram Balasubramaniam</i>	89

12. Geometric Correction of Nonsyndromic Craniosynostosis: Principles and Techniques	97
<i>Pramod Subash, Suhas Udayakumaran, Arjun Krishnadas</i>	
13. Fronto-orbital Advancement: Principles and Techniques	101
<i>Shweta Kedia, Deepak Kumar Gupta</i>	
14. The Role of Posterior Vault Distraction for Complex Syndromic Craniosynostosis	111
<i>Jonathan R. Ellenbogen, Benjamin Robertson, Ajay Sinha</i>	
15. Chiari Malformation and Craniosynostosis	123
<i>Suhas Udayakumaran</i>	
16. Secondary Craniosynostosis	129
<i>Amol Raheja, Ashok Kumar Mahapatra</i>	
17. Midface Distraction and LeFort III Osteotomy for Syndromic Craniosynostosis	139
<i>Ajoy Roychoudhury, Bhaskar Agarwal, Saravanan Lakshmanan</i>	
18. An Overview and Avoidance of Complications and Long-Term Outcomes in Craniosynostosis Surgery	151
<i>Manoj Phalak, Suhas Udayakumaran</i>	
19. Illustrative Cases	163
<i>Ashok Kumar Mahapatra, Deepak Kumar Gupta, Shweta Kedia, Subodh Raju, Ramesh Sharma, Pramod Subhash, Suhas Udayakumaran, Chandrashekhar E. Deopujari, Nitin Mokal</i>	
Index	175