

Contents

Foreword, Robert M. Goldwyn, MD	ix
Foreword, Paul N. Manson, MD.....	xi
Foreword, Arthur F. Dalley, PhD.....	xiii
Preface	xv
Acknowledgments	xvii
Contributors.....	xix
Chapter 1. The Human Skull as a Sanctuary	1
Part 1. Buttresses in Classical Architecture	1
Part 2. Buttresses of the Craniomaxillofacial Skeleton	3
Key Points	6
References	6
Additional Bibliography.....	8
Chapter 2. Structural Physics of the Craniomaxillofacial Skeleton.....	10
Part 1. Basic Craniofacial Biomechanics.....	10
Part 2. Implications of Finite Element Analysis	19
Key Points	21
References	21
Additional Bibliography.....	22
Chapter 3. Finesse in Buttress Restitution	26
Part 1. Peregrinations of the Past	26
Part 2. Current Principles of Repair.....	29
Key Points	40
References	41
Additional Bibliography.....	43
Chapter 4. The Palatal Platform and Lower Midface	47
Part 1. Surgical Anatomy and General Considerations.....	47
Part 2. Operative Technique and Exemplary Repair	54
Key Points	67
References	67
Additional Bibliography.....	68

Chapter 5. The Mandible	70
Part 1. Surgical Anatomy and General Considerations.....	70
Part 2. Operative Technique and Exemplary Repair.....	74
Key Points	95
References	95
Additional Bibliography	97
Chapter 6. The Cranial Vault and Cranial Base (Frontal, Sphenoid, Temporal, and Occipital Bones)	101
Part 1. Surgical Anatomy and General Considerations.....	101
Part 2. Operative Technique and Exemplary Repair.....	109
Key Points	122
References	122
Additional Bibliography.....	125
Additional Bibliography, Temporal Bones.....	125
Chapter 7. The Medial Orbital Frame and Central Upper Face (Nasal-Nasoseptal, Nasomaxillary, Orbitoethmoid, and Orbitosphenoid Complex)	126
Part 1. Surgical Anatomy and General Considerations.....	126
Part 2. Operative Technique and Exemplary Repair	131
Key Points	147
References	147
Additional Bibliography	148
Chapter 8. The Lateral Orbital Frame, Orbitozygomatic Complex (Lateral Upper Face), and Orbit.....	150
Part 1. Surgical Anatomy and General Considerations.....	150
Part 2. Operative Technique and Exemplary Repair	162
Key Points	187
References	187
Additional Bibliography	189
Chapter 9. Pancraniomaxillofacial Injury	194
Part 1. Surgical Anatomy and General Considerations.....	194
Part 2. Operative Technique and Exemplary Repair	194
Key Points	205
References	205
Additional Bibliography	206
Index.....	209