# Textbook of Orthodontics - Gowri Sankar

## Table of Contents

### Section 1: Introduction
1. Introduction to Orthodontics

### Section 2: Growth & Development
2. General Principles and Concepts of Growth
3. Embryology of Orofacial Structures
4. Postnatal Growth of the Craniofacial Skeleton
5. Development of Dentition & Occlusion
6. The Functions of Stomatognathic System

### Section 3: Occlusion & Malocclusion
7. Occlusion—Basic Concepts
8. Classification of Malocclusion
9. Etiology of Malocclusion
10. Epidemiology of Malocclusion

### Section 4: Diagnostic Aids
11. Case History and Clinical Examination
12. Orthodontic Study Models
13. Facial Photographs and Radiographs
14. Cephalometrics
15. Skeletal Maturity Indicators
16. Advancements in Diagnosis

### Section 5: Mechanics & Biomechanics
17. Biology of Tooth Movement
18. Mechanics of Tooth Movement
19. Anchorage
20. Adult Orthodontics and Age Factor in Orthodontics

### Section 6: Orthodontic Appliances
21. Orthodontic Appliances-General Concepts
22. Removable Appliances
23. Myofunctional Appliances
24. Orthopedic Appliances
25. Fixed Appliances
26. Arch Wires

### Section 7: Methods of Gaining Space
27. Methods of Gaining Space
28. Expansion in Orthodontics
29. Distalization of Molars
30. Extractions in Orthodontics

### Section 8: Preventive and Interceptive Orthodontics
31. Preventive Orthodontics
32. Interceptive Orthodontics
33. Habits

### Section 9: Corrective Orthodontics
34. Treatment Planning
35. Management of Common Malocclusions
36. Deep Overbite
37. Management of Open Bite
38. Management of Crossbite
39. Management of Class II Malocclusion
40. Management of Class III Malocclusion

### Section 10: Surgical Orthodontics
41. Minor Surgical Procedures
42. Major Surgical Procedures

### Section 11: Cleft Lip and Palate
43. Cleft Lip and Palate

### Section 12: Retention and Relapse
44. Retention and Relapse

### Section 13: Miscellaneous
45. Implants in Orthodontics
46. Magnets in Orthodontics
47. Genetics
48. Computers in Orthodontics
49. Soldering and Welding
50. Orthodontic Management of Medically Compromised Patients
51. Infection Control in Orthodontics
52. Dental Materials in Orthodontics

*Index*