

Preface xxiii

About the Companion Website xxv

1 History of Local Anesthesia in Dentistry 1

2 Applied Anatomy I: Maxillary Arch 17

3 Applied Anatomy II: Mandibular Arch 31

4 The Peripheral Nerve and Local Anesthesia 50

5 Local Anesthetics 67

6 Vasoconstrictors 85

7 Injectable Anesthetic Solutions Used in Dentistry 107

8 Contraindications for Local Anesthetic Techniques in Dentistry 135

9 Contraindications for Local Anesthetics 148

10 Contraindications for Vasoconstrictors 155

11 Instrument Set and Equipment 173

12 Topical Anesthesia 195

13 Basic Injection Technique 219

14 Maxillary Anesthesia I: Pulpal Anesthesia 241

15 Maxillary Anesthesia II: Complementary Anesthesia of the Palate 267

16 Mandibular Anesthesia I: Pulpal Anesthesia 281

17 Mandibular Anesthesia II: Complementary Anesthesia 312

18 Supplementary Techniques in Cases of Failure 318

19 Failure of Dental Local Anesthesia 344

20 Alternatives to Conventional Techniques 360

21 Local Anesthesia in Children 389

22 Local Complications of Dental Local Anesthesia 397

23 General Complications of Dental Local Anesthesia 433

Index 469

For Annexes: Refer Online