Contents

Contributors xi
Preface xiii
Acknowledgments xv

1 Substance Use Disorders, Drug Diversion, and Pain Management: The Scope of the Problem 1
Michael O’Neil, PharmD
Introduction 1
Definitions 2
Substance Use Disorder, Drug Misuse, Drug Diversion, and Pain Management in the Dental Community 4
Understanding the Cultures of Substance Use Disorder, Drug Misuse, and Drug Diversion 8
Summary 9
References 10

2 Understanding the Disease of Substance Use Disorders 11
James H. Berry, DO and Carl Rollynn Sullivan, MD
Introduction 11
Definitions 11
Epidemiology: Drug/Alcohol 13
Pathophysiology/Brain Pathways 14
Signs, Symptoms, Behavior 15
Treatment Methods 20
Summary 26
3 Principles of Pain Management in Dentistry
Paul A. Moore, DMD, PhD, MPH and Elliot V. Hersh, DMD, MS, PhD

Introduction 31
Definitions 32
Neurophysiology and Neuroanatomy of Acute Inflammatory Pain 32
Orally Administered Analgesic Agents 33
Medication-Assisted Therapies for Treating Drug-Dependent Patients 41
Adjunctive Drugs Used to Limit Pain in Dentistry 41
Guidelines for Analgesic Therapy 43
Summary 45
References 45
Resources and Further Readings 46

4 Special Pain Management Considerations: (1) Chronic Methadone, Buprenorphine, and Naltrexone Therapy; (2) Chronic Opioids for Nonmalignant Pain
Michael O’Neil, PharmD

Introduction 47
Definitions 48
Interviewing the Patient: Establishing Goals of Treatment 49
Pharmacological Treatment of Opioid Addiction 49
Treating Acute Dental Pain 51
Acute Pain in Patients Receiving Opioid Maintenance Therapy 51
The Active Opioid Addict 55
Acute Pain Management in Patients Receiving Naltrexone Therapy 56
Acute Pain Management in Patients Receiving Opioids for Chronic Pain 57
Summary 57
References 58

5 Sedation and Anxiolysis
Matthew Cooke, DDS, MD, MPH

Introduction 61
Definitions 61
Spectrum of Anesthesia and Sedation 62
Preoperative Evaluation 64
Physical Status Classification 65
Sedation 65
Medications Available for Sedation of Patients with Substance Use Disorder 68
The Concept of Balanced Anesthesia 76
Monitoring and Documentation 76
Summary 78
Disclaimer 78
References 79
Resources and Further Readings 82
Contents

9 Interviewing and Counseling Patients with Known or Suspected Substance Use Disorders: Dealing with Drug-seeking Patients 159
George F. Raymond, DDS and William J. Maloney, DDS

- Introduction 159
- Definitions 160
- Preinterview Considerations 160
- Patient Interview Considerations 161
- Interviewing and Counseling Techniques 162
- What Questions Should Be Asked? 163
- Screening Tools 164
- Documentation 165
- Summary 166
- References 166
- Resources and Further Readings 167

10 Office Management of Controlled Substances 169
Carlos M. Aquino

- Introduction 169
- Federal Statutes and Regulations 169
- Definitions 169
- Common Violations by Dental Practitioners 170
- Surviving a Drug Enforcement Administration Inspection 173
- Practice Due Diligence Program 175
- Management of Noncontrolled Substances in the Office 176
- Summary 176
- Resources and Further Readings 176

11 Addiction and Impairment in the Dental Professional 177
William T. Kane, DDS, MBA, FAGD, FACD

- Introduction 177
- Definitions 178
- The Complexity of Addiction 178
- The Neurobiology of Addiction 179
- The Stigma of Addiction 180
- Epidemiology of Addiction in Dentistry 180
- Risk Factors for Substance Use Disorder 180
- Substances of Choice 182
- Identifying Addiction 183
- “The Conspiracy of Silence” 183
- Intervention 184
- Evaluation/Assessment 185
- Treatment 186
- Family and Staff 186
- Relapse 187
- Monitoring 187
- Peer Assistance or Dental Well-being Committee Programs 187