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Nota di contenuto	Intro -- Preface -- Acknowledgments -- Contents -- Contributors -- Part I: Pediatric Sedation Outside the Operating Room -- 1: The History of Sedation -- Introduction -- Inebriation, Intoxication, Hallucination, and Anesthesia -- A Forme Fruste of the Sedation Continuum -- Ancient History -- Chinese Drug Lore -- Hindu Drugs -- Sumerian Drugs -- Jewish Medicine -- Egyptian Medicine -- Classical History -- Greek Medicine -- Roman Medicine -- Islamic Medicine -- Medieval Medicine -- Ether -- Varied Preparations of Varying Potencies -- The Scientific or Modern Epoch -- The Modern Story of Anesthesia -- "Modern" Sedation and Analgesia Services -- The Future of Sedation -- References -- 2: Sedation Policies, Recommendations, and Guidelines Across the Specialties and Continents -- Introduction -- American Academy of Pediatrics (AAP) Guidelines -- American Society of Anesthesiologists (ASA) Policies and Recommendations -- Center for Medicare and Medicaid Services (CMS) -- The Joint Commission -- American College of Emergency Physicians (ACEP) Guidelines -- International Committee for the Advancement of Procedural Sedation Consensus Statement on Fasting for Procedural Sedation -- American Dental Association Sedation Guidelines -- British National Health

Service Dental Sedation Standards -- Intercollegiate Advisory Committee for Sedation in Dentistry -- American Society of Gastroenterologists -- International Guidelines -- Summary -- References -- 3: Procedural Sedation: Let's Review the Basics -- Introduction -- Questions to Be Asked -- Definitions and Concepts -- Rescue -- Setting -- Personnel -- Equipment -- Monitoring -- Protocols -- Patients -- Procedures -- Other Considerations -- Future Directions -- Conclusion -- Case Studies -- References -- 4: Pre-sedation Assessment -- Introduction -- Pre-sedation Screening -- History -- Physical Examination. When Not to Proceed -- When Referral to General Anesthesia Is Required -- Fasting Guidelines and Sedation -- Preparation for and Considerations in Special Populations -- Asthma and Reactive Airway Disease -- Autism, Developmental Delay, and Intellectual Disability -- Bronchopulmonary Dysplasia -- Cannabis Use -- Cerebral Palsy -- Congenital Heart Disease -- Cystic Fibrosis -- Diabetes Mellitus -- Endocrinopathies -- Mitochondrial Disease -- Mucopolysaccharidosis -- Multiple Allergies -- Muscular Dystrophies -- Musculoskeletal Disorders -- Obesity -- Obstructive Sleep Apnea -- Pregnancy -- Premature Infant -- Psychiatric and Behavioral Disorders -- Sickle Cell Disease -- Syndromes -- Trauma -- Tuberos Sclerosis -- Upper Respiratory Tract Infection -- Summary -- Case Studies in Pre-sedation Assessment -- References -- 5: Sedation Scales and Discharge Criteria: How Do They Differ? Which One to Choose? Do They Really Apply to Sedation? -- Introduction -- Sedation Scales -- The Ramsay Scale -- The Observer's Assessment of Alertness/Sedation Scale and Modified Observer's Assessment of Alertness/Sedation Scale -- The COMFORT Scale -- The University of Michigan Sedation Scale -- Dartmouth Operative Conditions Scale -- The Sedation-Agitation Scale -- Modified Aldrete Score as a Sedation Scale -- Processed EEG Monitors: The Bispectral Index and Amplitude-Integrated EEG -- Auditory Evoked Potentials -- Other Sedation Scales -- Objective, Physiologically Based Sedation Scales -- Recovery and Discharge Scales -- A Practical Approach to Sedation Scales and Discharge Scores -- Conclusion -- References -- 6: Physiological Monitoring for Procedural Sedation -- Introduction -- Current Guidelines and Standards -- Observational Monitoring -- Electronic Monitoring -- Oxygenation Monitoring -- Ventilation Monitoring -- Hemodynamic Monitoring. Cortical Activity Monitoring -- Bispectral Index Monitoring -- Cerebral Oximetry -- Future Directions -- Bioacoustic Methods -- Noninvasive Cardiovascular Monitoring -- Conclusion -- References -- 7: Neuromonitoring and Sedation -- Is There a Role? -- Introduction: The History -- Awareness Under Anesthesia and Neuromonitors -- A Global Review of Published Guidelines on Depth of Anesthesia Monitoring -- The Range of Neuromonitors: The Science, Practice, and Function -- BIS -- Validity of BIS Scores with Sedation Scales and Depth of Sedation in Infants and Children -- Validation of BIS with Inhalational Agents and Sedatives -- Nitrous Oxide -- Chloral Hydrate (CHO) -- Ketamine -- Propofol -- Dexmedetomidine -- Midazolam -- Narcotrend -- M-Entropy -- Auditory Evoked Potential (AEP) -- Limitations of EEG-Based Monitors -- Recent Advances and Future Considerations -- Conclusion -- Case 1 -- Considerations -- Case 2 -- Considerations -- Case 3 -- Considerations -- References -- 8: The Pediatric Airway: Anatomy, Challenges, and Solutions -- Anatomy of the Pediatric Airway -- Assessment of the Pediatric Airway for Sedation -- Risk Factors for Airway Compromise or Depression -- Sleep-Disordered Breathing -- Identification and Treatment of Airway-Related Adverse Events -- Conclusion -- Case Studies -- Case 1:

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Morphine (MS Contin, MSIR, Avinza, Kadian, Oramorph, Roxanol, Kapanol) -- Nitrous Oxide -- Pentobarbital (Nembutal) -- Propofol (Diprivan) -- Remifentanil (Ultiva) -- Remimazolam (Byfavo) -- S-Ketamine (Ketanest, Ketaset, Ketalar) -- Sufentanil (Sufenta) -- Reversal Agents -- Flumazenil (Flumazepil, Anexate, Lanexat, Mazicon, Romazicon, Anexate) -- Naloxone (Narcan, Nalone, Narcanti) -- Local Anesthetics -- Lidocaine (Lignocaine) -- Anti-emetics -- Ondansetron (Zofran) -- Metoclopramide (Maxolon, Reglan, Degan, Maxeran, Primperan, Pylomid, Cerucal, Pramin) -- Scopolamine (Levo-Duboisine, Hyoscine) -- Diphenhydramine (Benadryl, DPH, DHM, Dimedrol, Daedalon) -- Dexamethasone -- References -- Alfentanil -- Pharmacokinetics -- Chloral hydrate -- Pharmacokinetics -- Clinical Application -- Codeine -- Dexmedetomidine -- Buccal -- Intranasal -- Intramuscular -- Pharmacokinetics and Pharmacodynamics -- Diazepam -- Etomidate -- Clinical Application -- Fentanyl -- Transdermal -- Intranasal -- Transmucosal -- Pharmacokinetics -- Fospropofol -- Ketamine -- Pharmacokinetics -- Clinical Application -- Ketofol -- Lorazepam -- Pharmacokinetics -- Meperidine -- Pharmacokinetics -- Methohexital -- Midazolam -- Pharmacokinetics

-- Morphine -- Pharmacokinetics -- Nitrous Oxide --  
Pharmacokinetics -- Clinical Application -- Pentobarbital --  
Pharmacokinetics -- Propofol -- Pharmacokinetics -- Clinical  
Application -- Remifentanil -- Pharmacokinetics -- Clinical Application  
-- Remimazolam -- S-Ketamine -- Intranasal -- Caudal Block --  
Rectal -- Pharmacodynamics and Pharmacokinetics -- Sufentanil --  
Pharmacokinetics -- Flumazenil -- Intranasal -- Rectal --  
Pharmacokinetics -- Naloxone -- Pharmacokinetics -- Lidocaine --  
Pharmacokinetics -- Ondansetron -- Pharmacokinetics --  
Metoclopramide -- Pharmacokinetics -- Scopolamine --  
Diphenhydramine -- Pharmacokinetics.  
Dexamethasone.

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