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Nota di contenuto	Cover; Title page; Copyright page; Dedication; Contents; Contributors; Preface; Section I: General; 1: Clinical Pharmacology; Introduction; Pharmacokinetics; Pharmacodynamics; Inhalant Anesthetics; Physics of Gases and Vapors; Control of the Partial Pressure of Delivered Anesthetic; Minimum Alveolar Concentration (MAC); General Pharmacological Actions of Inhalant Anesthetics; Clinically Useful Inhalant Anesthetics; Injectable Anesthetics; Barbiturates; Propofol; Dissociative Anesthetics; Miscellaneous Anesthetics; Opioids; Opioid Receptors; Endogenous Opioid Receptor Ligands Opioid Receptor Signaling and Mechanisms of Analgesia Opioid Receptor Distribution and Therapeutic Implications; Adverse Effects of Clinically Used Opioids; Opioid Agonists; Opioid Agonist-Antagonists and Partial Agonists; Opioid Antagonists; Nonsteroidal Anti-inflammatory; The Cyclooxygenases and Prostaglandin Synthesis; The NSAIDs and Mechanisms of Analgesia; The NSAIDs and Fever; The NSAIDs and Endogenous Antiinflammatory Mechanisms; Other Pharmacologic Considerations for NSAID Use; Contraindications for NSAIDs; NSAIDs used in Veterinary Medicine

NSAIDs Not Approved for Use in Veterinary Medicine (Off-Label Use)
Alpha-2 Adrenergic Receptor Agonists and Antagonists; Introduction;
Alpha-2 Adrenergic Agonist Effects; Specific Drugs; Alpha-2 Adrenergic
Receptor Antagonists; Phenothiazines and Butyrophenones;
Introduction; References; 2: Monitoring; Introduction; Monitoring
Basics; Why Is Monitoring Important?; What Should be Monitored?;
Monitoring the Respiratory System; Pulse Oximetry; Capnography;
Monitoring the Cardiovascular System; Blood Pressure; References; 3:
Airway Management; Introduction; General Principles of Airway
Management
Signs of Airway Obstruction Approaches to Airway Management;
Unsupported Airway; Awake Intubation; Intubation Following Induction;
Planning Airway Management; Maintenance of the Airway during
Anesthesia; Patient Positioning; Supraglottic Airway Devices; Infraglottic
Devices; Subglottic Devices; Aids to Tracheal Intubation; Laryngoscope;
Optical Stylets; Flexible Endoscopes; Bougies and Stylets; Gags and
Ropes; Methods of Tracheal Intubation; Direct Visualization; Blind
Intubation; Palpation Intubation; Retrograde Intubation; Confirmation of
Tracheal Intubation; Extubation
Airway Idiopathic Trauma Cleaning and Disinfection; References; 4:
Thermoregulation; Monitoring Body Temperature; Hypothermia;
Perioperative Heat Loss; Consequences of Hypothermia; Perioperative
Hypothermia: Prevention and Treatment; Hyperthermia; References; 5:
Oxygen Therapy; Why O₂?; Hypoxemia and Hypoxia; What Causes
Hypoxemia?; What Causes Hypoxia?; Oxygen Sources; High Pressure
Oxygen Cylinders; Portable Oxygen Concentrators; Liquid Oxygen
Containers; Methods of Administering Oxygen; Intranasal Oxygen;
Flow-by Oxygen; Intra/Transtracheal Oxygen; Humidification or Not?
Detection of Hypoxemia and Monitoring the Effects of Oxygen Therapy

Sommario/riassunto

Zoo Animal and Wildlife Immobilization and Anesthesia, Second Edition is a fully updated and revised version of the first comprehensive reference on anesthetic techniques in captive and free-ranging wildlife. Now including expanded coverage of avian and aquatic species, this exhaustive resource presents information on the full range of zoo and wildlife species. Covering topics ranging from monitoring and field anesthesia to CPR and euthanasia, the heart of the book is devoted to 53 species-specific chapters providing a wealth of information on little-known and common zoo and wildlife a
