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Nota di contenuto	Section 1: Basic principles of pharmacology. Mechanisms of drug action -- Pharmacokinetics and pharmacodynamics for intravenous anesthetics -- Pharmacokinetics and pharmacodynamics of inhaled anesthetics -- Drug metabolism and pharmacogenetics -- Physiology and pharmacology of obesity, prematurity, and aging -- Pharmacodynamic drug interactions -- Adverse drug reactions -- Section 2: Nervous system. Central nervous system physiology: neurophysiology -- Central nervous system physiology: cerebrovascular -- Pharmacology of intravenous anesthetics -- Pharmacology of inhaled anesthetics -- Neuropharmacology -- Autonomic nervous system: physiology -- Autonomic nervous system: pharmacology -- Thermoregulation -- Physiology of pain -- Intravenous opioid agonists and antagonists -- Oral and non-intravenous opioids -- Non-opioid analgesics and anti-inflammatory drugs -- Local anesthetics -- Neuromuscular physiology and pharmacology -- Neuromuscular blockers and reversal drugs -- Section 3: Cardiovascular system. Cardiovascular physiology: cellular and molecular regulation -- Cardiovascular physiology: integrative

function -- Vasopressors and inotropes -- Antihypertensive drugs and vasodilators -- Anti-arrhythmic drugs -- Cardiopulmonary resuscitation -- Section 4: Pulmonary system. Pulmonary physiology -- Pulmonary pharmacology -- Section 5: Gastrointestinal and endocrine systems. Liver and gastrointestinal physiology -- Liver and gastrointestinal pharmacology -- Nutritional and metabolic therapy -- Pharmacology of postoperative nausea and vomiting -- Endocrine physiology -- Endocrine pharmacology -- Physiology and pharmacology of obstetric anesthesia -- Section 6: Immunity and Infection. Chemotherapy, Immunosuppression, and Anesthesia -- Infection, Antimicrobial Drugs and Anesthesia -- Section 7: Fluid, electrolyte and hematologic homeostasis. Renal physiology -- Intravascular volume: regulation and replacement therapy -- Electrolytes and diuretics -- Section 8: Blood and hemostasis. Blood and coagulation -- Transfusion and coagulation therapy -- Antiplatelet and anticoagulant therapy.

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Sommario/riassunto

"Pharmacology and Physiology for Anesthesia: Foundations and Clinical Application, 2nd Edition, delivers the information you need in pharmacology, physiology, and molecular-cellular biology, keeping you current with contemporary training and practice. This thoroughly updated edition is your one-stop, comprehensive overview of physiology, and rational anesthetic drug selection and administration, perfect for study, review, and successful practice"--Publisher's description.

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