

Anesthetic pharmacology

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Monografía

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In recent years our understanding of molecular mechanisms of drug action and interindividual variability in drug response has grown enormously. Meanwhile, the practice of anesthesiology has expanded to the preoperative environment and numerous locations outside the OR. Anesthetic Pharmacology: Basic Principles and Clinical Practice, 2nd edition, is an outstanding therapeutic resource in anesthesia and critical care: Section 1 introduces the principles of drug action, Section 2 presents the molecular, cellular and integrated physiology of the target organ/functional system and Section 3 reviews the pharmacology and toxicology of anesthetic drugs. The new Section 4, Therapeutics of Clinical Practice, provides integrated and comparative pharmacology and the practical application of drugs in daily clinical practice. edited by three highly acclaimed academic anesthetic pharmacologists, with contributions from an international team of experts, and illustrated in full colour, this is a sophisticated, user-friendly resource for all practitioners providing care in the perioperative period

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Contenido: Section 1. Principles of Drug Action: 1. Pharmacodynamic principles of drug action; 2. G-protein coupled receptors; 3. Ion channels; 4. Other signalling pathways; 5. Principles of pharmacokinetics; 6. Principles of drug biotransformation; 7. Drug transport and transporters; 8. Target-controlled infusions and closed-loop administration; 9. Alternate routes of drug administration; 10. Principles of pharmacogenetics; 11. Pharmacodynamic drug-interactions in anesthetic practice; 12. Pharmacoeconomics; Section 2. Physiologic

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