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Altri autori (Persone)	QuirogaPablo A
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Nota di contenuto

Part 1: The basics of ADME processes -- Chapter 1-Introduction. Biopharmaceutics and Pharmacokinetics -- Chapter 2-Drug release -- Chapter 3-Drug Absorption -- Chapter 4-Drug Distribution -- Chapter 5-Drug Metabolism -- Chapter 6-Drug Excretion -- Chapter 7-Drug Delivery Routes -- Chapter 8-Compartmental Pharmacokinetic Models -- Chapter 9-Regulatory Requirements and Applications of Physiologically Based Pharmacokinetic Models -- Chapter 10-Drug Drug and Food Drug Interactions of Pharmacokinetic Nature -- Part 2: Specialized topics -- Chapter 11-Nanocarriers: Delivery Routes -- Chapter 12-Advanced Techniques for Quality Assessment of Nanocarriers -- Chapter 13-Nanomedicines Obtained by Nanoprinting -- Chapter 14-Absorption, Distribution, Metabolism and Excretion of Biopharmaceutical Drug Products -- Chapter 15-In silico and in vitro ADME predictions -- Chapter 16-Relationship Between Pharmacokinetics and Pharmacogenomics and Its Impact on Drug Choice and Dose Regimens -- Chapter 17-The Relationship Between Pharmacogenomics and Pharmacokinetics and Its Impact on Drug Choice and Dosing Regimens in Pediatrics -- Chapter 18-Bioavailability and Bioequivalence studies -- Chapter 19-Drug transporters – Physiological role and Their Impact on Pharmacotherapy -- Chapter 20-Blood Flow Distribution and Membrane Transporters As Determinant Factors Of Tissue Drug Concentration.

Sommaro/riassunto

The Second Edition of the ADME Processes in Pharmaceutical Sciences maintains the general structure of the first volume. The first part is dedicated to the generalities of LADME processes, including compartmental pharmacokinetics, and the second part is dedicated to burgeoning topics in the field, including pharmaceutical nanocarriers, pharmacogenomics, and pharmacokinetics of biologicals. The contents of the first edition have been kept (revised, updated and expanded) and six entirely new chapters are introduced to this second edition. American, European, and Latin American experts from both industry and academia converge in this volume intended for undergraduate and graduate Pharmacy, Medicine, and other health care careers, but also for professionals from other related fields working in relation to pharmaceuticals, such as chemists, biochemists, material scientists, bioengineers and molecular biologists. The volume is abundant in pedagogical features, including highlights, definitions, figures, tables, book recommendations, case studies and questions. ADME Processes (2nd Edition) is designed as a core textbook for pharmacology, pharmacokinetics, biopharmacy, drug design, medicinal chemistry, and pharmaceutical technology courses. .