Record Nr. UNINA9910598005703321 Basic Pharmacokinetic Concepts and Some Clinical Applications // **Titolo** edited by Tarek A. Ahmed Rijeka, Croatia:,: IntechOpen,, [2015] Pubbl/distr/stampa ©2015 Descrizione fisica 1 online resource (168 pages) 615.7 Disciplina Soggetti **Pharmacokinetics** Biopharmaceutics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Preface XI -- Chapter 1 -- The Impact of Pharmacokinetic Mismatched Nota di contenuto Antimalarial Drug Combinations on the Emergence and Spread of Drug Resistant Parasites 1 -- Qigui Li and Mark Hickman -- Chapter 2 --Pharmacokinetic (PK) Characteristics in Critically III Patients 33 --Mayuki Aibiki and Noriyasu Fukuoka -- Chapter 3 -- Pharmacokinetics of Drugs Following IV Bolus, IV Infusion, and Oral Administration 53 --Tarek A. Ahmed -- Chapter 4 -- Drug Distribution and Drug Elimination 99 -- Seng Kok-Yong and Lee Lawrence -- Chapter 5 --Biopharmaceutics and Pharmacokinetics 117 -- S. Lakshmana Prabu, T. N.K. Suriyaprakash, K. Ruckmani and R. Thirumurugan -- Chapter 6 --Clinical Pharmacokinetic Applications of Recirculatory Models 137 --Jose M. Lanao and Clara Isabel Colino. Sommario/riassunto This book considers the basic principles of biopharmaceutics and pharmacokinetics. It also illustrates clinical pharmacokinetic applications, such as recirculatory models, common antimalarial drugs, and clinical pharmacokinetic principles in critically ill patients, which are essential for medical professionals. Undergraduate and postgraduate students can make use of the information presented. The contents of the book represent the authors points of view as well as clinical findings and basic concepts of pharmacokinetics and biopharmaceutics that are covered in textbooks.