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Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di bibliografia Nota di contenuto	Public Health Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references and index. Foreword Section I: Basic Concepts and Principles Introduction to Pharmacodynamics and micrbiology In vitro and animal PK/PD model MIC and breakpoints Principles of applied PK/PD modeling Population Pk/PD modeling and its applications to antimicrobials Drug resistance and Drug-drug combinations Section II: Clinical Aminoglycosides Beta-lactam antibiotics including continuous infusion Macrolides Glycopeptides Quinolones Other

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of considerable value in understanding drug action, defining optimal dosing regimens, and in making predictions under new or changing pre-clinical and clinical circumstances. Not surprisingly, pharmacokinetic-pharmacodynamic modeling concepts are increasingly applied in both basic and clinical research as well as in drug development. Fundamentals of Antimicrobial Pharmacokinetics and Pharmacodynamics is designed as a reference on the application of pharmacokinetic-pharmacodynamic principles for the optimization of antimicrobial therapy, namely pharmacotherapy, and infectious diseases. The reader is introduced to various aspects of the fundamentals of antimicrobial pharmacodynamics, the integration of pharmacokinetics with pharmacodynamics for all major classes of antibiotics, from basic research to clinical situations.