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Nota di contenuto	<p>             ""Pharmacokinetics in Risk Assessment""; ""Copyright""; ""PREFACE""; ""Contents""; ""PART I INTRODUCTION: THE PROBLEM AND AN APPROACH ""; ""Risk Assessment: Historical Perspectives""; ""References""; ""Tissue Dosimetry in Risk Assessment, or What's the Problem Here Anyway?""; ""INTRODUCTION""; ""A DOSE OF WHAT?""; ""ISN'T THIS VOLUME ABOUT PHARMACOKINETICS?""; ""GENOTOXIC CARCINOGENS""; ""PARENT CHEMICAL""; ""STABLE METABOLITES""; ""REACTIVE, NONISOLATABLE METABOLITES""; ""INTERCALATING AGENTS""; ""EPIGENETIC CARCINOGENS""; ""SUMMARY""; ""References""; ""PART II MATHEMATICAL MODELING "" </p> <p>             ""Modeling: An Introduction"" ""References""; ""Physiologically Based Pharmacokinetic Modeling""; ""INTRODUCTION""; ""BIOLOGICAL BASIS OF PHYSIOLOGICAL PHARMACOKINETICS""; ""DEVELOPMENT OF MODELS""; ""CHOICE OF COMPARTMENTS""; ""BASIC MASS BALANCES""; </p>

""Mass Balance: Blood Pool""; ""Mass Balance: Tissue Region i"";  
""SIMPLIFICATIONS OF MASS BALANCES""; ""Examples""; ""DISCUSSION"";  
""FUTURE RESEARCH NEEDS""; ""References""; ""PART III  
GENERALIZATIONS AND EXTRAPOLATIONS ""; ""Allometry: Body Size  
Constraints in Animal Design""; ""INTRODUCTION""; ""SIZE, DESIGN,  
AND PHARMACOKINETICS""  
""Aerobic Energetics of Muscle In Vivo"" ""Conflict of Physiological and  
Chronological Time""; ""Species Extrapolations, Physiological Time, and  
Pharmacokinetics""; ""CONCLUSIONS""; ""SUMMARY""; ""References"";  
""Prediction of In Vivo Parameters of Drug Metabolism and Distribution  
from In Vitro Studies""; ""IN VITRO PREDICTION OF IN VIVO DRUG  
METABOLISM""; ""IN VITRO PREDICTION OF IN VIVO DRUG BINDING AND  
DISTRIBUTION""; ""CONCLUSION""; ""References""; ""Dose, Species, and  
Route Extrapolation: General Aspects""; ""DIFFERENT PROBLEMS AND  
OBJECTIVES, DIFFERENT MODELS""; ""Different Mechanisms""  
""GENERAL PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELS""  
""Simplification of Models""; ""Rates of Formation of Complexes"";  
""Diffusional Barriers and Modified Fick's Law""; ""Simple PB-PK  
Models""; ""Basic Parameters  $f_u$  and  $R$ ""; ""Nonlinear Kinetics and Lost  
Concepts""; ""INTERFACE BETWEEN PB-PK MODELS AND CLEARANCES"";  
""Organ Availabilities (F), Extraction Ratios (E), and Clearances (CL)"";  
""Physiologically Based Linear Compartmental Pharmacokinetic  
Models""; ""Validity of the Assumption of Virtual Steady State"";  
""Calculation of Other Compartmental Model Parameters""  
""Approximations of Terminal Half-Lives"" ""Approximate Time  
Required to Approach Steady State""; ""LINEAR PHARMACOKINETIC  
SYSTEMS""; ""Total Body Clearance""; ""Importance of the Unbound  
Concentration of Substances""; ""Classification of Organs; Routes of  
Administration""; ""Non-First-Pass, Nonelimination Organs""; ""Range of  
Maximum and Minimum Unbound Concentrations in Nonelimination  
Organs and Repetitive Administration""; ""Non-First-Pass, Elimination  
Organs""; ""FIRST-PASS, NONELIMINATION ORGANS""; ""First-Pass,  
Elimination Organs""; ""ROUTE-TO-ROUTE EXTRAPOLATION""; ""Lungs  
and Skin Administration""

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