

Pharmacokinetics of Cardiovascular, Central Nervous System, and Antimicrobial Drugs

by P. G. Welling and F. L. S. Tse

During the last 20 years the drug industry and the practice of medicine have expanded at an incredible rate. This has been due to the combined influences of a number of factors, including rapid advances in pharmacology and pathology, and accompanying advances in such diverse areas as pharmacodynamics, pharmacokinetics, and the development of sophisticated drug delivery systems. The last of these has been the focus of frenzied activity during the last ten years, and is likely to continue for some time. More recent advances in immunopharmacology and the use of monoclonal antibodies have provided further impetus to the quest for new drugs in many therapeutic areas.

Three major areas of drug research and development which have undergone considerable changes in recent years include cardiovascular agents, drugs acting on the central nervous system, and antimicrobial agents.

This book reviews developments which have taken place in these subjects from 1970 to the early 1980's.

Contents:

Cardiovascular Drugs

Cardiac Glycosides and Other Cardiotonic Agents; Antiarrhythmic and Antianginal Agents; Beta-Adrenergic Receptor Antagonists; Diuretics; Other Antihypertensive Agents; Anticoagulants.

Drugs Acting on the Central Nervous System

Antidepressants; Antipsychotic Agents; Sedatives, Hypnotics, and Tranquillizers; Anticonvulsants.

Antimicrobial Agents

Penicillins; Cephalosprins and Cephamycins; Tetracyclines; Aminoglycosides; Sulfonamides; Erythromycin, Its Salts and Esters; Other Antimicrobial Agents.

Compound Index

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This book covers the recent advances made in the field of biotechnology and is aimed not at expert biotechnologists but at scientific workers with little or no previous experience in this field. The contributions in this book should thus be seen as primarily having a teaching function. The book should prove of interest both to undergraduates studying for biological or chemical qualifications and to scientific workers from other fields who need a basic introduction to this rapidly expanding area.

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