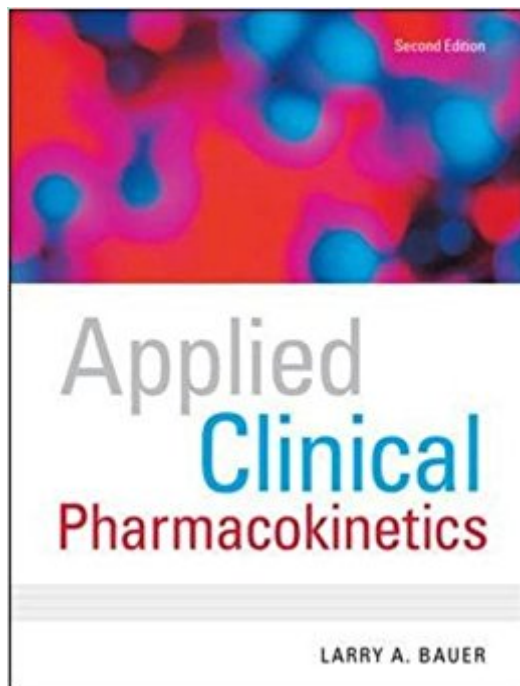


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# Applied Clinical Pharmacokinetics



## Synopsis

The easiest and most trusted way to learn the clinical application of pharmacokinetics 5 STAR DOODY'S REVIEW! "This is an important reference that teaches clinically relevant pharmacokinetic dosing and therapeutic drug monitoring tools. This second edition includes updated information on dosing immunosuppressants, as well as dosing concepts in pediatric and hemodialysis patients. The book is intended as an instructive tool in pharmacokinetics for healthcare practitioners who wish to learn these concepts and apply them in their clinical practice. The book satisfies its objectives, outlining important pharmacokinetic concepts in an organized and easy to understand fashion. It is also written by a pharmacist with extensive experience in pharmacokinetics and includes clinically pertinent pearls for individual drugs. This second edition succeeds at providing updated information on pharmacokinetic concepts. The book presents information in a manner that allows readers to teach themselves about pharmacokinetic dosing and to update their knowledge about clinically relevant concepts for the medications. These concepts are critical because medications are far too often dosed without individual patient characteristics (weight, age, concomitant medications) in mind. It is important to individualize dosing based on pharmacokinetic methods, to monitor levels, and to adjust subsequent dosing based on peaks, troughs, renal, and hepatic function." -- Doody's

The most current, hands-on book in the field, *Applied Clinical Pharmacokinetics* gives you clear and useful coverage of drug dosing and drug monitoring that no other text can match. It offers the latest standardized techniques and approaches to patient-specific dosing plus new information on more recent pharmacokinetically monitored drugs. Written by a nationally recognized authority in pharmacokinetics, *Applied Clinical Pharmacokinetics* provides essential information covered in pharmaceutics, pharmacokinetics, therapeutics, and clinical pharmacy courses. It can be also be used as a clinical refresher to brush up on key concepts and procedures. **FEATURES NEW!**

High-yield sections on dosing strategies in all chapters **NEW!** Up-to-date, ready-to-use information on monitored drugs Valuable coverage of drug dosing in special populations, including patients with renal and hepatic disease, obesity, and congestive heart failure and patients on dialysis All the information that you need on drug categories such as antibiotics, cardiovascular agents, anticonvulsants, and immunosuppressants Tools that simplify learning throughout, such as an introductory chapter on clinical pharmacokinetic and pharmacodynamic concepts, examples of calculations, and problems with answers and explanations at the end of each chapter

## Book Information

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## Customer Reviews

"This is an important reference that teaches clinically relevant pharmacokinetic dosing and therapeutic drug monitoring tools. This second edition includes updated information on dosing immunosuppressants, as well as dosing concepts in pediatric and hemodialysis patients....It includes information that is critical for practitioners to learn and apply to patient care as well as extensive examples and problems with solutions so readers can master the outlined pharmacokinetic concepts. The book can also be used by students who are learning pharmacokinetics and it would be an excellent text for teaching this course. Each chapter is well organized and includes basic as well as advanced pharmacokinetic information. However, the book truly succeeds in presenting this information in a way that is easy to comprehend....This second edition succeeds at providing updated information on pharmacokinetic concepts. The book presents information in a manner that allows readers to teach themselves about pharmacokinetic dosing and to update their knowledge about clinically relevant concepts for the medications. 5 Stars!"--Doody's Review Service (Doody's)

Putting pharmacokinetics into practice, this timely and comprehensive text delivers the latest procedures and data on today's drugs and patient-specific dosing. \* The best guide to pharmacokinetics for real-life pharmacy practice \*Ideal for students, pharmacists, and other clinicians who want clear, useful, and up-to-date coverage of the latest standardized techniques and most recent pharmacokinetically monitored drugs \*Essential topics for pharmaceutics, pharmacokinetics, therapeutics, and clinical pharmacy courses or can be used in a self-directed

manner to self-teach or review important concepts and techniques \*Inside: essential information on approaches to drug-dosing and monitoring in individual patients, including the latest data on serum concentrations, written by a nationally recognized leader in pharmacokinetics The most up-to-date and practical text in the field, Applied Clinical Pharmacokinetics features-- \*Clear, useful coverage of drug dosing and drug monitoring today \*Focus on the latest standardized techniques and approaches to patient-specific dosing \*Up-to-date information on more recently monitored drugs \*Essential information on drug dosing in special populations, including patients with renal and hepatic disease, obesity, and congestive heart failure \*All the information practitioners need on drug categories such as antibiotics, cardiovascular agents, anticonvulsants, and immunosuppressants \*Full coverage of drugs such as Aminoglycosides, Vancomycin, Digoxin, Phenytoin, Carbamazepine, Theophylline, Cyclosporine, Tacrolimus, and Lithium \*Clear and concise summary of pharmacokinetic and pharmacodynamic concepts \*Practical help with calculations and equations \*50 useful charts and illustrations \*18 chapters that provide needed hands-on guidance in techniques, procedures, and approaches \*Tools that make learning and use easier, including a principle-clarifying introductory chapter, examples of calculations, and questions and answers to test your understanding --This text refers to an out of print or unavailable edition of this title.

Had a really bad teacher in kinetics so this book has been my lifeline all semester. Its very informative, and I love that each chapter come with sample problems throughout the chapter, and a ton of practice problems at the end. Answers for the practice problems are in the back, but not detailed like the sample problems. The book came in good condition and wasn't very heavy. four stars because I wish the book contained more drugs.

In my view, the Doody's Review precisely captures the strength of this book. I already had a decent grasp on the concepts of pharmacokinetics but was desperately looking for a resource to learn (by self studying) the clinical application of the pharmacokinetic concepts. This book nicely fits the bill for me.

Clean copy was delivered on time and was exactly as advertized

it's no delayed. Incredible product. Very sturdy. Arrived on time. I enjoy using it. perfect. i have bought one before, I will recommend it to my friend.

As you read this text it becomes apparent that it was written by an in-the-trenches clinical pharmacist. It focuses on the practical application of pharmacokinetics in patient care. The text is very readable, written in an easy to follow style. The tables and illustrations are well presented, providing insight to the topic. There are chapters on aminoglycosides, vancomycin, digoxin, antiarrhythmics, anticonvulsants, cyclosporine, lithium, and theophylline. Each chapter contains practical step-by-step examples for both initial dosage determinations and serum level analysis. But you'll need to look elsewhere for pediatric pk information, application to peds is limited.

Bauer does an excellent job of explaining the basics and details of pharmacokinetics; this book is great guide for both students and practicing clinicians. Many pharmacokinetic residents and fellows live by this book and it came highly recommended to me by experienced clinicians.

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