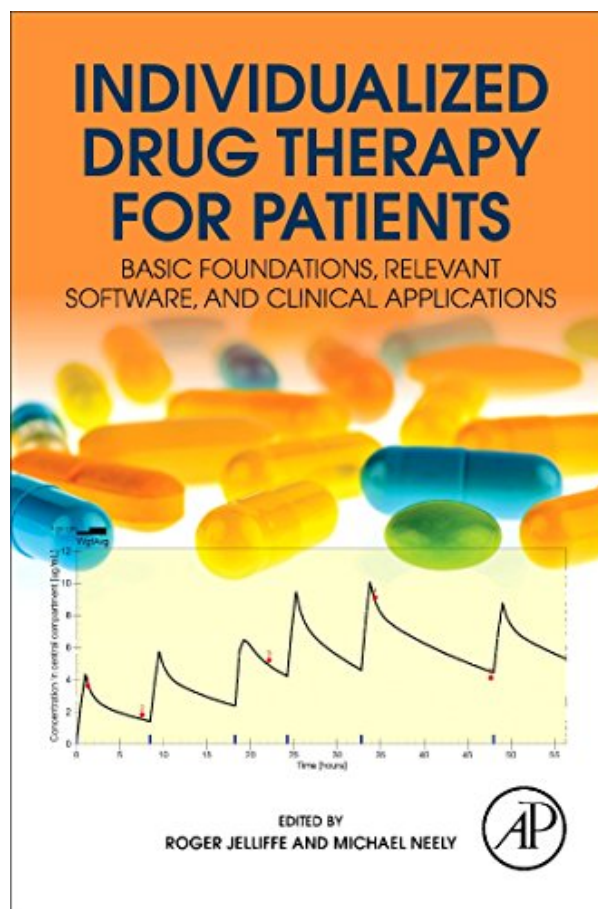


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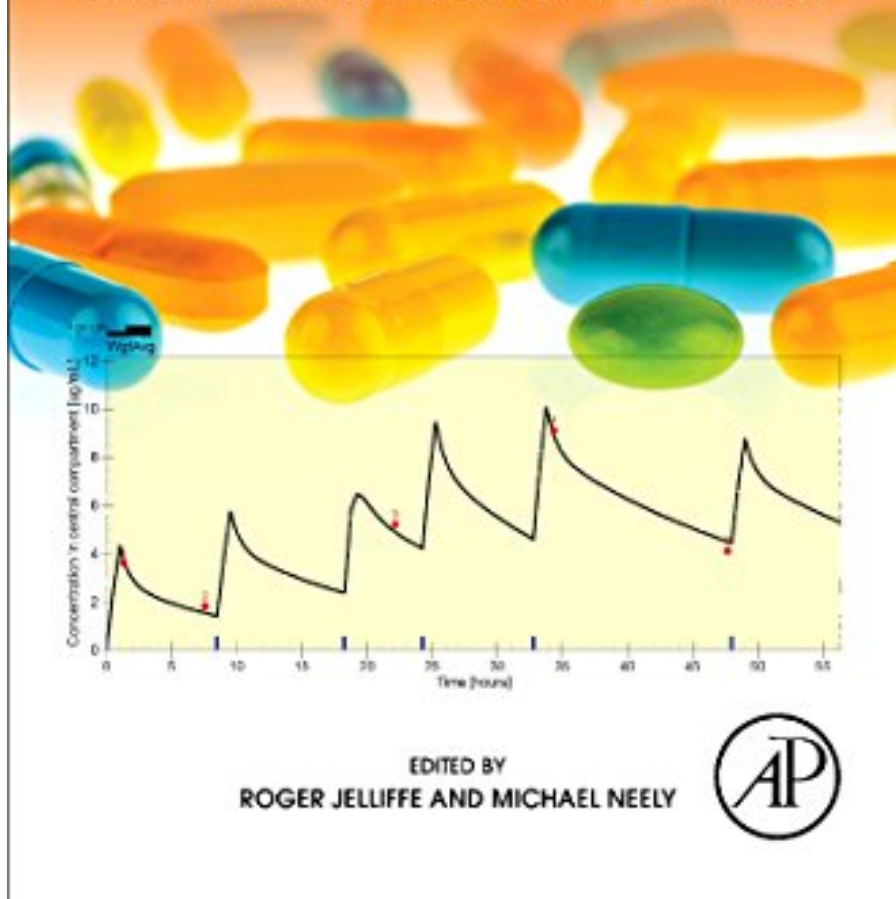


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EDITED BY  
ROGER JELLIFFE AND MICHAEL NEELY



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## About the Author

Roger Jelliffe MD, FCP, FAAPS, an adult cardiologist, developed the first software, for individualizing digitalis dosage, in 1967. He founded the USC Laboratory of Applied Pharmacokinetics and directed it until he retired and had recruited Dr. Michael Neely, who became director in 2013. The laboratory has developed what is now the USC Pmetrics software for population modeling and the Bestdose clinical software for individualizing drug dosage regimens specifically with maximum precision, including several different Bayesian methods for managing individual patients in various clinical situations. The laboratory has contributed significantly to optimize therapy for cardiovascular, bacterial and fungal diseases, transplants, and for acutely ill and unstable patients in the ICU.

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The book discusses where individualized therapy is currently and offers insights to the future. Edited by Roger Jelliffe, MD and Michael Neely, MD, renowned authorities in individualized drug therapy, and with chapters written by international experts, this book provides clinical pharmacologists, pharmacists, and physicians with a valuable and practical resource that takes drug therapy away from a memorized ritual to a thoughtful quantitative process aimed at optimizing therapy for each individual patient.

- Uses pharmacokinetic approaches as the tools with which therapy is individualized
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- Incorporates clinical cases throughout to illustrate the real-world benefits of using these approaches
- Focuses on quantitative approaches that maximize the precision with which dosage regimens of potentially toxic drugs can hit a desired therapeutic goal

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By Roger Jelliffe

As an editor and co-author, I am obviously prejudiced. But there is no other book so devoted not just to pharmacokinetics, but rather to its real application to practical aspects of optimized patient care and how to do it best. It is not a traditional book on pharmacokinetics. Rather it is a book by pharmacokinetically oriented clinicians for other similar clinicians.

Best regards to all,

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