

# Antiretroviral Resistance in Clinical Practice

**Edited by Anna Maria Geretti**

*Antiretroviral Resistance in Clinical Practice* is a novel publication that has been developed to serve as a handbook for physicians dealing with the problems of antiretroviral resistance in their practice.

*Antiretroviral Resistance in Clinical Practice* covers an extensive range of topics (see below) written by eminent and internationally renowned authors led by the Editor Dr Anna Maria Geretti. Dr Geretti is a Consultant Medical Virologist and Honorary Senior Lecturer based at the Royal Free Hospital in London, and has a special interest in antiretroviral therapy and resistance.

The book examines the mechanisms of resistance to reverse transcriptase, protease and entry inhibitors with contributions from Charles Boucher, Noortje van Maarseveen, Nicola Mackie, Anne-Geneviève Marcelin, Eva Poveda and Vincent Soriano. With chapters by Martin Däumer and Tobias Sing, Alessandro Cozzi-Lepri, Karin Metzner, Carlo-Federico Perno and Ada Bertoli, Caroline Sabin and Martin Schutten, readers will be able to gain a valuable insight into the complex topic of resistance and obtain an update on the various methods used to measure, predict and interpret resistance.

Françoise Brun-Vézinet and Diane Descamps review the overall benefits of resistance testing, whereas Andrea De Luca examines the impact of resistance on viral fitness.

Marta Boffito investigates the pharmacokinetic implications of resistance, and Ricardo Camacho discusses the implications of HIV-1 subtypes on resistance testing, while Clare Booth gives an overview of transmitted resistance.

Finally, there is a chapter dedicated to a series of case studies compiled by experienced clinicians and each accompanied by an expert commentary.

*Antiretroviral Resistance in Clinical Practice* will prove to be a valuable handbook to all those who want to understand the increasingly complex problem of antiretroviral drug resistance in HIV medicine.

*Topics covered in Antiretroviral Resistance in Clinical Practice:*

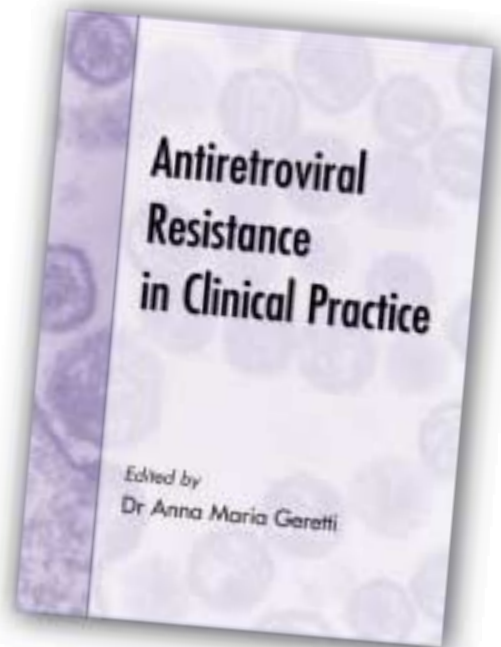
- Mechanisms of resistance
- Transmitted resistance
- Evolution of resistance in treatment failure
- Minority resistant mutants
- The impact of resistance on virus fitness
- Benefits of resistance testing
- HIV-1 subtypes and resistance
- Resistance tests and their interpretation
- Statistical analyses of predictors of resistance

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