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Titolo	Clinical Pharmacokinetic and Pharmacodynamic Drug Interactions Associated with Antimalarials [[electronic resource] /] / by Tony K.L. Kiang, Kyle John Wilby, Mary H.H. Ensom
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Pharmacology of Recommended Antimalarial Agents -- Drug Interaction Potential of Antimalarial Drugs Based on Known Metabolic Properties of Antimalarials -- Pharmacokinetic Drug Interactions Affecting Antimalarials -- Effects of Antimalarials on the Pharmacokinetics of Co-Administered Drugs -- Effects of Antimalarials on the Pharmacokinetics of Co-Administered Antimalarials -- Pharmacodynamic Interactions: Clinical Evidence for Combination Therapy, In Vitro Interactions, and In Vivo Interactions -- Limitations, Future Directions, and Conclusions.
Sommario/riassunto	This comprehensive review provides a systematic, unbiased analysis, critique and summary of the available literature and generates novel clinical decision-making algorithms which can aid clinicians and scientists in practice management and research development. Potential

mechanisms for the identified drug interactions are deduced from available preclinical and in vitro data which are interpreted in the context of the in vivo findings. Current limitations and gaps in the literature are summarized, and potential future research directions / experimentations are also suggested. In addition to the main objective to review the available clinical pharmacokinetic and pharmacodynamic drug interactions associated with WHO-recommended antimalarial drugs on the market today (i.e. chloroquine, amodiaquine, sulfadoxine, pyrimethamine, mefloquine, artemisinin, artemether, artesunate, dihydroartemisinin, artemotil, lumefantrine, primaquine, atovaquone, proguanil, piperaquine and quinine), this book also provides succinct chapter summaries on the epidemiology of malaria infection, diagnosis and therapeutics, in vivo pharmacology and chemistry, preclinical pharmacology, in vitro pharmacodynamics, in vitro reaction phenotyping, and in vitro drug-drug interaction data associated with the identified antimalarial drugs. .
