Special Issue

Dose Optimization and Targeting Strategies of Anti-infective Agents

Message from the Guest Editors

Most drugs are currently developed, approved and marketed based on their effect on the majority of the population. However, the concept of a single dose of a drug for all patients with the same disease may not lead to the desired results. As a result of interindividual variability in the population, the concentration profile of a drug over time after administration of the same dose to individual patients may vary significantly. The same dose may thus lead to signs of toxicity in some patients, while in others, it may be ineffective. In addition, for anti-infective agents, low exposure may be accompanied by the development of resistance. In order to achieve the maximum therapeutic potential of anti-infective drugs, the therapy needs to be targeted and the dosage optimized. Therefore, this Special Issue aims to serve as a platform for sharing the contemporary progress in dose optimization and targeting strategies of antibiotics as well as other anti-infective agents. We cordially invite researchers to submit their original research articles, review articles or commentaries on all aspects of this topic.

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