Special Issue

Drug–Drug Interactions

Message from the Guest Editors

Drug–drug interactions (DDIs) cause one drug to affect other drugs, leading to a reduced drug efficacy or an increased toxicity of the affected drugs. Traditionally, DDIs have been evaluated around the selective action of drugs on specific CYP enzymes. The interaction of drugs based on CYPs is very important, but recently, other important mechanisms have also been studied as contributing to the drug interactions, such as drug transporter- or UDP-glucuronyltransferase-mediated DDI. In addition, the novel mechanism to regulate DDI can also be suggested. In the case of the substance to be interacted, not only the DDI, but also the herb– or food–drug interactions have been reported to be clinically relevant in terms of adverse side effects. Reporting examples of drug interactions on a marketed drug or a new mechanism study will be very helpful for preventing the side effects of the patient taking them. This Special Issue has the aim of highlighting the current progress in the clinical or non-clinical interactions of commercial drugs and the elucidation of the mechanism of drug interactions.

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