

Special Issue

Pharmacokinetic Drug-Drug Interactions and Herb-Drug Interactions

Message from the Guest Editors

Due to the growing use of herbal medicine and easy of taking herbal medicine formulation with therapeutics drugs and with a trend of polypills, adverse drug reactions or drug/herb-drug interactions caused by co-administration of therapeutic drugs and herbal medicine have been rapidly growing. About 25% of herbal supplemental users regularly take prescribed drugs, which increased the possibility of herb-drug interaction. The most frequently reported case of herb-drug interactions included the modulation of herbal medicine on drug metabolizing enzymes and transporters and the causative pharmacokinetic effect of co-administered therapeutic drugs that are substrate for drug metabolizing enzymes and transporters.

Therefore, this special issue has the aim of highlighting the pharmacokinetic drug-drug interactions and herb-drug interaction and their mechanistic understanding in relation to the drug metabolizing enzymes and drug transporters. For this, the bioanalytical method development for the measurement of pharmacological active component of concomitantly administered herbal medicines is also important.

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