How Should We Handle Decreased Efficacy Caused by DDI on Transporters for Drug Absorption and Target-tissue Distribution, but Not Associated with Toxicity?

Full text of this paper is available at http://www.jstage.jst.go.jp/browse/dmpk
example and there might be other drugs that are taken up by other transporters.

This concept may not be limited to the intestinal absorption process, and the distribution from blood to target tissues other than clearance organs might be explained by specialized transporters. That is, target-tissue distribution of drugs might be affected by circulating drugs administered simultaneously. Therefore, DDI may lead to a decrease in efficacy of drugs by reducing not only tissue distribution but also intestinal absorption of the victim drugs which may not lead to toxicity. Better appreciation for uptake transporters should facilitate efficacious pharmacotherapy and drug development.

References


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