

Publication

Creatine kinase elevation caused by a combination of fluvastatin and telmisartan in a patient heterozygous for the CYP2C9*3 and ABCC2 -24C < T variants: a case report.

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BACKGROUND: Genetic factors as predictor of the individual outcome of drug therapy is one aim of personalized medicine approaches.
CASE PRESENTATION: We report a drug metabolism based analysis of genetic polymorphisms in a Caucasian patient receiving fluvastatin and telmisartan experiencing myotoxicity (myalgia and moderate creatine kinase elevation).
CONCLUSIONS: The obtained findings suggest that heterozygosity of cytochrome P450 CYP2C9*3 variant in combination with multidrug resistance-associated protein MRP2-24C > T functions as risk factor predisposing to experience drug-drug interaction combining those drugs.

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