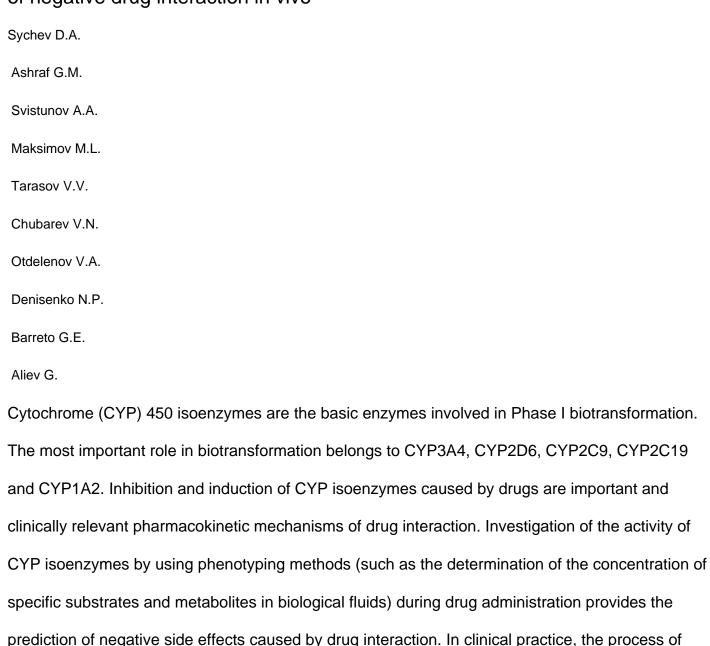
The cytochrome P450 isoenzyme and some new opportunities for the prediction of negative drug interaction in vivo



phenotyping of CYP isoenzymes and some endogenous substrates in the ratio of cortisol to

promising, safe and minimally invasive method for patients nowadays. © 2018 Sychev et al.

6?-hydroxycortisol in urine for the evaluation of CYP3A4 activity has been deemed to be a quite

Cytochrome CYP450

Drug interaction

Drug metabolism

Phenotyping

alprazolam
atorvastatin
caffeine
celecoxib
clozapine
codeine
cytochrome P450 1A2
cytochrome P450 2C19
cytochrome P450 2C9
cytochrome P450 2D6
cytochrome P450 3A4
dextromethorphan
diazepam
hexobarbital
losartan
metoprolol
nortriptyline
omeprazole
pantoprazole
paracetamol
phenacetin
phenytoin
pravastatin
propafenone
testosterone
theophylline

tolbutamide
unindexed drug
warfarin
zidovudine
6 beta-hydroxycortisol
cytochrome P450
hydrocortisone
isoenzyme
drug metabolism
drug transformation
enzyme activity
enzyme inhibition
enzyme specificity
human
hydrophilicity
hydrophobicity
in vitro study
in vivo study
phenotype
prediction
protein expression
protein function
Review
single nucleotide polymorphism
analogs and derivatives
biotransformation

drug interaction
metabolism
Biotransformation
Cytochrome P-450 Enzyme System
Drug Interactions
Humans
Hydrocortisone
Isoenzymes
Phenotype