

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_77768
Title of the Manuscript:	Particular Patterns of the Influence of the Physiology of Normal Pregnancy on the Pharmacokinetics of Drugs in the Liver
Type of the Article	Review article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>The review highlights the fact that pregnant women are not involved in clinical, pharmacodynamic or pharmacokinetic tests, and responsibility for assessing the risk and benefit of a particular drug falls on the attending doctor.</p> <p>The author presents clear information on changing the clearance of drugs in different periods of pregnancy. Data from the literature on the activity of enzymes involved in oxidizing of various substrates, including drugs, are analysed in detail. The enzyme proteins such as CYP3A4, CYP1A2, CYP2D6 and CYP2C9 are expressed mainly in the liver, duodenum and small intestine and the analysis of their activity confirms the name of this article.</p> <p>The review article does not provide for the presentation of new data from the author's personal experimental work and respectively it is not necessary to include in the article the results of other authors in the form of a diagram as we see in this case. Review articles provide a critical and constructive analysis of existing literature published in a certain field, through summary, analysis and comparison, often identifying specific gaps or issues and providing recommendations for future research.</p>	
Minor REVISION comments	<p>The author highlights two important objectives which lead him to write this review: the change of the reproductive age, more precisely its expansion, and physiological changes during the pregnancy which affects the pharmacokinetics of the drug.</p>	
Optional/General comments	<p>The author did not describe the role of changes of oestrogens and progesterone blood levels, as well as other placental hormones and hormone metabolites which also can induce changes in the enzymatic activity of the liver during pregnancy.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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