



PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

Manuscript NO: 44515

Title: Tobacco Smoking and its Drug Interactions with Comedications involving CYP and UGT enzymes and Nicotine

Reviewer’s code: 00504466

Reviewer’s country: France

Science editor: Li-Jun Cui

Date sent for review: 2018-11-14

Date reviewed: 2018-11-21

Review time: 7 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Reviewer’s comments (WJP-Ms 44515): The review article by Dr. Maideen deals with tobacco smoking and its effects on health and certain drugs associated with medications among smokers. For this purpose, the author searched various databases for the



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appropriate/relevant articles in the field. The main tobacco smoke-induced enzymes in host were reviewed (i.e. cytochrome P450 enzymes) in more or less details, and 'connected' to their target drugs in humans. Finally, some recommendations on the use of these drugs were provided to the clinicians and researchers in the field. In my opinion, this is (overall) a nice review article on tobacco smoking and resulting side effects on health and medications. The manuscript is also well-written and rather clear. I have some (minor) comments/concerns on this manuscript, as follows: 1. The 'Methods' section is poorly described and would need to be significantly improved. The criteria and basis of selection of the considered articles (number?) should be detailed; 2. One may regret that the manuscript is often 'superficial' and lacks of details, especially on the molecular interactions between compounds; 3. The author might provide an 'exhaustive' list of current drugs that are likely affected by tobacco smoke; 4. Apart from the polycyclic aromatic hydrocarbons, the known content in chemical compounds of tobacco smoke could be cited or listed in a table.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- [] The same title
- [] Duplicate publication
- [] Plagiarism
- [Y] No

BPG Search:

- [] The same title
- [] Duplicate publication
- [] Plagiarism



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[Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

Manuscript NO: 44515

Title: Tobacco Smoking and its Drug Interactions with Comedications involving CYP and UGT enzymes and Nicotine

Reviewer's code: 00503476

Reviewer's country: Spain

Science editor: Li-Jun Cui

Date sent for review: 2018-11-14

Date reviewed: 2018-12-04

Review time: 20 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Ms. No. 44515 MS Title: Tobacco Smoking and its Drug Interactions with Comedications involving CYP and UGT enzymes and Nicotine N. M. Pakkir Maideen COMMENTS FOR THE AUTHORS General comments. The manuscript entitled "Tobacco Smoking



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and its Drug Interactions with Co-medications involving CYP and UGT enzymes and Nicotine" by N.M. P. Maideen represents novel and interesting review which is written in logical and consistent manner. It is a thought-provoking review which provides highly interesting clinical information. Use of medications among smokers is highly common and PAHs from tobacco smoke have highly influence on drug biotransformation in human. Particularly, those drugs which are metabolized by enzymes coded by CYP1A1, CYP1A2, CYP2E1 and UGT genes. Therefore, the impact of tobacco-drug interactions is frequently associated with therapy failure and severe toxicity/adverse drug reactions.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
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- Plagiarism
- No

BPG Search:

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