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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology
ESPS manuscript NO: 28497
Title: Long-term potentiation in autonomic ganglia: Potential role in cardiovascular disorders
Reviewer's code: 00646395
Reviewer's country: Germany
Science editor: Xue-Mei Gong
Date sent for review: 2016-04-28 13:35
Date reviewed: 2016-04-28 15:28

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The mini-review submitted by Karim Alkadhi is excellent work. The manuscript focusses on gLTP in sympathetic ganglia. While LTP as a correlate of memory is generally known in bioscience and clinical medicine, gLTP in autonomic ganglia is not of common knowledge. The manuscript summarizes basic research on gLTP, but also relevant clinical aspects. The manuscript is concise, the content, the structure and the readability of the manuscript are good. The mini-review may be of interest for clinicians as well as for basic scientists. I have only a few minor comments: - The author could add some information/studies on the effect of exogenous serotonin in clinical settings. The author should comment on the doses of serotonin agonists/antagonists in Table 2: Do the reported doses correspond to physiological doses that can be achieved by pharmacotherapy? - The author should comment on the reversibility of gLTP. Are there any explanations why some PTSD patients may recover after a few years while others will not? Are there any ideas how to pharmacologically reverse already existing gLTP in a clinical setting (not preventing gLTP but reversing gLTP)? - The author should shortly comment on other hypothesis concerning causes for SUDEP. - Are there any

studies/data concerning the assumed increased risk of patients with epilepsy who smoke (page 11)? Are there any data concerning a caffeine-consumption-dependant-risk for cardiac events in smokers, i.e. does caffeine consumption increase the risk in smokers independent of other factors? - In Figure 1 there is a misspelling of ondansetron ("andonsetron") and abbreviations should be explained in the legend (NTS, SUDEP). - For Figure 3 abbreviations (CAP) should be defined in the legend as well. I recommend accepting the manuscript for publication in the World Journal of Pharmacology after the minor comments have been addressed by the author.

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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology
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Reviewer's country: Japan
Science editor: Xue-Mei Gong
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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[Y] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This short review by Alkadhi is concise and well-written to introduce little-known ganglionic LTP into the readers. This reviewer has no major concerns with this manuscript and thinks it suitable for publication in the journal. Minor point: 1) Misstypos; page 6 work form-> work from Figure 1 andonsetron-> ondansetron.