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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5831

Title: Aging induces Vascular Dysfunction through Increasing Oxidative Stress in Isolated Human Gastric Submucosal Arterioles

Reviewer code: 00057780

Science editor: Gou, Su-Xin

Date sent for review: 2013-09-29 08:15

Date reviewed: 2013-09-29 10:14

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The authors investigate gastric submucosal arteries in younger and older patients. They demonstrate changes that may lead to increased oxidative stress. 1. The younger patients had operations for different indications than older patients. If so, this needs to be documented. 2. The first sentence in the conclusions has not been demonstrated. The findings suggest that these changes MAY LEAD to vascular dysfunction, but this is not proven with this manuscript



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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5831

Title: Aging induces Vascular Dysfunction through Increasing Oxidative Stress in Isolated Human Gastric Submucosal Arterioles

Reviewer code: 00035901

Science editor: Gou, Su-Xin

Date sent for review: 2013-09-29 08:15

Date reviewed: 2013-09-29 16:47

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The authors demonstrated that aging induces vascular dysfunction through Increasing oxidative stress in isolated human gastric submucosal srterioles. This study was well investigated and well organized. Especially, the impact of the use of human gastric submucosal arterioles will be high and give us a novel information. To improve the quality of this paper, the authors should revise it according to the following suggestions; 1) The contents of materials and methods is not enough to understand the data presented here. The authors should describe the methods briefly and use the references of each methods, especially measurements of MDA, H₂O₂, SOD and GSH-Px. 2) We can not understand the "activity of H₂O₂ or MDA". Usually, it should be indicated as contents of these compounds.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5831

Title: Aging induces Vascular Dysfunction through Increasing Oxidative Stress in Isolated Human Gastric Submucosal Arterioles

Reviewer code: 00058696

Science editor: Gou, Su-Xin

Date sent for review: 2013-09-29 08:15

Date reviewed: 2013-10-10 22:21

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[] Grade A (Excellent)	[] Grade A: Priority Publishing	Google Search:	[] Accept
[] Grade B (Very good)	[] Grade B: minor language polishing	[] Existed	[] High priority for publication
[Y] Grade C (Good)	[Y] Grade C: a great deal of language polishing	[] No records	[] Rejection
[] Grade D (Fair)	[] Grade D: rejected	BPG Search:	[] Minor revision
[] Grade E (Poor)		[] Existed	[Y] Major revision
		[] No records	

COMMENTS TO AUTHORS

Our major comments are summarized below: The authors have not clearly outlined a hypothesis for this study in the abstract or introduction. The enzymes and their role in endothelial function are never mentioned in the introduction. The authors do not specifically state which factors of endothelial function were being studied, nor do they state which type of surgery the gastric vessels were being extracted from. The methods and materials used are outlined in great detail, but there are a few abbreviations that are used without explanation of their meaning. The inclusion criteria are unclear for the study. The paper states that “all enrolled patients were ensured [to have] each inspection in normal range”. This is somewhat vague and it is unclear what an inspection refers to or what is considered normal range. Among our minor comments, there are numerous grammatical errors and run-on sentences throughout the article, which makes it very difficult to read and fully understand all of the points being made by the authors. It may be beneficial to hire a consultant to help with the writing of the manuscript. Page 2, line 4: surgeries are not further characterized. Recommend adding gastric bypass to description. Page 2, line 5: The aim of the study is not clear. Suggest rewording and adding hypothesis. Page 2, line 7: This sentence is not worded well, suggest rewriting. Also suggest using the word “elderly” instead of “old”. Page 2, line 8-9: Consider using term “cardiovascular diseases” instead of just “cardiac” to encompass “high blood pressure diseases” Page 2, line 10: What do “some characteristics” refer to? Please further delineate. Page 2, line 12: remove spaces before and after SNP inside the parentheses Page 2, line 13: What does “accessed by perfusion” mean? Recommend using a different word than “accessed”. Page 2, line 14: Please first spell out abbreviations for HE and EVG before using these short-cuts. Page 2, lines 19-22: Please



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consider rewriting this sentence as it is a run-on sentence and has a few grammatical errors. Page 3, line 2: Add “the” before the word “old”. Also consider replacing the word “old” with “elderly” throughout the manuscript. Page 3, line 5: Remove comma between SOD and GSH-Px and replace with “and” Page 3, line 6: Remove comma between XO and MDA and replace with “and” Page 3, line 5-8: Please consider rewriting this sentence as it is a run-on sentence and has a few grammatical errors. Page 3, line 16: How does oxidative stress induce the “structure”? Consider rewording versus using a different word for “structure”. Page 3, line 17: The word “aging” needs a noun to follow it. Consider “aging patients”. Page 3, line 18: The word “then” should be replaced with “thus”. The word “the” needs to be added before “incidence”. Page 4, line 2: Remove the comma after consensually. Page 4, line 8: Remove “As noted above” at the beginning of the sentence. Page 4, line 9: Remove the comma after iron. Page 4, line 7-12: Please consider rewriting this paragraph as there is poor transition and flow. Page 5, line 1: surgeries are not further characterized. Recommend adding gastric bypass to description. Page 5, line 2: Remove “the” before vascular. Page 5, line 1-3: The aim of the study is not clear. Suggest rewording and adding hypothesis. Page 5, line 12: Please first spell out abbreviations for BCIP and NBT before using these short-cuts. Page 5, line 17-19: Start sentence with “Patients with diabetes and hypertension” instead of starting sentence with “The”. This sentence also needs clarification. What does “each inspection” refer to? What is considered “normal range”? Page 5, line 20-21: Please consider rewording this sentence as it is poorly written and contains multiple grammatical errors. Page 5, line 21-22: Remove “the” before “gastric”. Remove “which” before “away”. What does “lesions” refer to? Change “instruments” to “instrumental”. Page 6, line