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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16159

Title: Brewers' rice modulates oxidative stress in azoxymethane-mediated colon carcinogenesis in rats

Reviewer's code: 00058696

Reviewer's country: United States

Science editor: Ya-Juan Ma

Date sent for review: 2015-01-01 12:50

Date reviewed: 2015-02-28 07:20

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

We have carefully evaluated this new manuscript. Briefly, this manuscript is a prospective randomized trial investigating the mechanism of action of brewers' rice on gene expression implicated in colon carcinogenesis in rats. Our major questions are: 1) Although the authors have proposed a study aim, there is no clearly outlined hypothesis. 2) It is not delineated whether the authors and/or individuals interpreting the results were blinded to the five groups. 3) Neither the sources of funding, nor potential conflicts of interest are disclosed. 4) The authors have not clearly stated whether there was an institutional review board (IRB) approval for this study. 5) The authors do not specify the limitations of their study (such as being conducted in only male rats), or suggest areas of further study which are needed. Minor issues include several potential grammatical, structural or formatting errors which can detract from the overall comprehension of the manuscript. These are listed below. In the abstract section under 'Methods', the terms 'AOM' and '(w/w)' are used prior to being defined. In fact, '(w/w)' is never clearly defined in the study. In the 'Conclusion' section the authors could clarify the role of 'Nrf2 and Wnt/NF-kB' in colon



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carcinogenesis. On page 5 under 'Introduction', lines 2-3, the authors do not specify if these statistics refer to the United States or worldwide. On page 5, line 16, consider changing 'remedies' to 'remedy'. On page 5, line 27, consider striking "of brewers' rice due to their prominent antitumor activities". On page 5, line 28 consider changing 'mechanisms' to 'mechanism underlying these effects remain obscure.' On page 5, line 28 to page 6 line 1, consider striking "Therefore, in the present study, we determined..." to "The present study sets out to determine..." On pages 7-11, in the 'Materials and Methods' section consider summarizing the information further and placing detailed procedural information such as 'Chemicals and reagents, brewers' rice', 'diet and animals', 'PCR analysis', Colon tissue preparation' in an 'appendix section' rather than in the 'Methods' as they detract from overall fluency of the paper. On pages 12-14, consider explaining specific values obtained and results from figures/tables in detail in the body of the publication. On pages 15-21, consider summarizing the discussion further as it is a lengthy discussion of the prior work on the subject area and touches on subject matter previously referred to in the publication.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16159

Title: Brewers' rice modulates oxidative stress in azoxymethane-mediated colon carcinogenesis in rats

Reviewer's code: 01714224

Reviewer's country: Italy

Science editor: Ya-Juan Ma

Date sent for review: 2015-01-01 12:50

Date reviewed: 2015-03-01 23:46

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Many compliments to Authors. The study is very interesting and well written and its findings contribute to understand the mechanisms through which the rice may play an anti-cancer activity.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16159

Title: Brewers' rice modulates oxidative stress in azoxymethane-mediated colon carcinogenesis in rats

Reviewer's code: 00504462

Reviewer's country: Mexico

Science editor: Ya-Juan Ma

Date sent for review: 2015-01-01 12:50

Date reviewed: 2015-03-06 10:39

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Dear Sir, I am pleased to read your manuscript and sending my recommendation for publish it.

Sincerely



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16159

Title: Brewers' rice modulates oxidative stress in azoxymethane-mediated colon carcinogenesis in rats

Reviewer's code: 02438232

Reviewer's country: China

Science editor: Ya-Juan Ma

Date sent for review: 2015-01-01 12:50

Date reviewed: 2015-03-06 22:48

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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 checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a carefully done study and the findings are of considerable interest. A few major revisions are list below. 1. The aim of the abstract part is not Accurate. 2. In the introduction, the author should describe why GSK3 β , iNOS, Nrf2, and HO-1 genes was chosen in this paper. Some studies had introduced the relationship among these genes. 3. Western blot should be performed to confirm the results. 4. β -catenin may translocate from the cytoplasm to the nucleus, where it might serve as a transcriptional factor to stimulate tumour formation. Thus, only β -catenin expression was not enough. Immunofluorescence should be performed to study the location change of β -catenin.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16159

Title: Brewers' rice modulates oxidative stress in azoxymethane-mediated colon carcinogenesis in rats

Reviewer's code: 03004091

Reviewer's country: India

Science editor: Ya-Juan Ma

Date sent for review: 2015-01-01 12:50

Date reviewed: 2015-01-21 19:34

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

In this manuscript the authors have studied the modulation of oxidative stress by brewer's rice in experimental colon cancer. However, the authors need to address the following comments. Major comments- 1. The effect of different dosages of brewer's rice (10%, 20% and 40%) is different for different parameters. e.g. though 40% diet had maximum effect on GSK3beta and beta-catenin, 10% showed the maximum effect on NF-kB. No explanation has been provided by the authors for these. 2. The statistical significance is difficult to understand as it does not describe clearly the comparison among the groups. 3. The results of iNOS does not correlate with NO levels. The authors have mentioned in their discussion that iNOS is responsible for NO production, however, their results on this are contradictory. No clearcut explanation for this has been given in the discussion section. 3. The reason behind increased NF-kB expression in 20% and 40% brewer's rice diet has not been explained properly. Minor comments- 1. The methods section does not clearly state the number of dosages of AOM given. It should be clearly stated. 2. There is no major difference between the levels of SOD using 20% and 40% brewer's rice and therefore, the statement stating that highest dose of brewer's



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rice shows a value closest to the normal is erroneous.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 16159

Title: Brewers' rice modulates oxidative stress in azoxymethane-mediated colon carcinogenesis in rats

Reviewer's code: 00189327

Reviewer's country: Argentina

Science editor: Ya-Juan Ma

Date sent for review: 2015-01-01 12:50

Date reviewed: 2015-01-23 08:54

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
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		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a very interesting ms trying to elucidate molecular mechanisms by which the brewers'rice could be a potential anticancer strategy. There are minor aspects that should be re-written to improve the manuscript. ABSTRACT: in the aim, the authors say "regulating the gene expression" (which one?). Results: the sentence related to NK-kB mRNA level should be re-written. It is not clear. RESULTS:1) NK-KB. Why there is none in normal tissue?, why the maximum effect was with 10 % brewers'rice? Values with different concentrations were the same.2) what explanation the authors have with the 40% concentration, mainly on Nrf2 mRNA. English style might be improved.