

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

ESPS manuscript NO: 28001

Title: Cigarette smoking, dietary habits and genetic polymorphisms in GSTT1, GSTM1 and CYP1A1 metabolic genes: A case-control study in oncohematological diseases

Reviewer's code: 02471365

Reviewer's country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2016-06-24 17:28

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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

Overall, this study adds to the literature on this issue although the following details need to be addressed. 1. What were the response rates? 2. A better description of the controls is highly desirable. Please provide a frequency distribution of ICD diagnostic categories, if available. 3. Table 1, under the case heading and in the text, please provide the numbers for each type of hematologic malignancy. 4. Table 3 lists the OR for all malignancies combined. The authors should also look at the risk associated with each of the major groups within the case category. Although the sample size will be small, it needs to be determined if the risks are the same across all groups so as to combine them in a single category. Otherwise it is possible that a real effect of a genotype or risk factor for a specific type of leukemia or lymphoma might be obscured. A separate table is not needed but the findings should be described. 5. Was grilled meat/cans the only food items that were asked in this questionnaire. Were there other food items? If there were other foods that were assessed, this should be reported, even if the findings are null. 6. It should be noted in the discussion that the finding on barbecued meats could be due to misclassification or bias since the portion size was not assessed.



BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

<http://www.wjgnet.com>

Also, there are many types of meats and so recall bias may have affected the findings since there was not a separate food frequency question for each type of meat. The authors should also note that the levels of the food born carcinogens such as HA and PAH vary between red and white meats, which this study was not able to differentiate. 7. The coffee finding is interesting. Again it would be worthwhile to look more closely at coffee consumption among control diagnostic categories. For example, if some of the controls were patients with gastrointestinal problems, they may be abstaining from coffee, which would create a spurious odds ratio. These controls should be excluded from the analysis.

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Title: Cigarette smoking, dietary habits and genetic polymorphisms in GSTT1, GSTM1 and CYP1A1 metabolic genes: A case-control study in oncohematological diseases

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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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
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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 case study analyzed the association between oncohematological diseases and genetic polymorphisms in GSTT1, GSTM1 and CYP1A1, dietary habits and cigarette smoking, in an argentine hospital. Total 125 patients with oncohematological diseases and 310 control subjects involved. Blood samples were analyzed for deletions in GSTT1 and GSTM1 by PCR, and CYP1A1 MspI polymorphism by PCR-RFLP. The results show that women had lower risk of disease compared to men; higher levels of education were significantly associated with an increased risk. None of the smoking categories associated with oncohematological diseases. Consumption of grilled/barbecued meat 3 or more times per month was associated with an increased risk of disease. Daily consumption of coffee also was associated with an increased risk. GSTT1, GSTM1 and CYP1A1 polymorphisms were not associated with oncohematological diseases. No interaction between polymorphisms and tobacco smoking or dietary habits modified disease risk. The study indicates an increased risk of oncohematological diseases associated with meat and coffee intake. Overall the manuscript was written in a clear and concise manner. Minor Concerns: 1. References cited are



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not approximate, and the number should be substantially reduced. 2. Representatives of GSTT1, GSTM1 or CYP1A1 genotype assay should be presented.