

Review Form 3

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_121578
Title of the Manuscript:	Association between GSTP1 (rs1695) and Human Papillomavirus infection in women from southern Brazil
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>Human papillomavirus (HPV) infection is one of the main causes of cervical and oropharyngeal cancers. Recent studies have demonstrated that host-related genetic factors also contribute to sexually transmitted infections and cancer susceptibility. The glutathione S-transferase Pi (GSTP) belongs to GST gene family and its polymorphism alone or with other factors, is associated with cervical cancer susceptibility in different cohorts (PMID: 12497653, 20069434, 29479986, 28829907). HPV-16 E7 oncoprotein is demonstrated to stabilize GSTP1 and promotes cell survival (PMID: 19826491). In this manuscript, the authors analyzed the association between GSTP1 polymorphism (rs1695) and HPV infection in women from Southwest Parana, Brazil. The authors concluded that the G allele and AG accounts for high risk of viral infection. This study will provide an insight into early screening and prevention for high-risk HPV-infected cervical cancer, as well as further understanding of role of host genetic events in HPV infection and cervical tumorigenesis.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>yes</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>yes</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The T-ARMS method via PCR was performed to genotype the GSTP1 SNP. Yates' correction of continuity and Fisher's exact test were used to analyze the association between SNP and HPV infection. And logistic regression analysis was conducted. The authors also analyzed the association between HPV infection and different sociodemographic characteristics, compartmental, sexual and gynaecological patterns. The methodology and data integrity look good.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are sufficient and updated.</p>	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language overall is okay. But there are several typos in the manuscript, please carefully check and revised. P represents P-value should be capitalized and italic. Additionally, there should be space between number and unit. For example, in Figure 1, it should be "467 pb" instead of 467pb".	
<u>Optional/General</u> comments	1. Please provide details of labels in Figures in Figure legend. 2. It would be better to include the types of HPV in cases. Please explain why no relative analysis.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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