

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_86618
Title of the Manuscript:	Association between type-2 diabetes and infection by human papillomavirus genotype-18 in women aged 40-44 years old.
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy>)

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
Compulsory REVISION comments	<p>1st) The title of the manuscript could be revised, as it is very summarized in relation to the study carried out;</p> <p>(2nd) In the body of the article, the authors also address blood plasma glucose levels in patients with type 2 diabetes infected by HPV divided by genotypes and also about performing a Pap smear in the study population, but do not mention such comparisons as the objective of the work;</p> <p>3) In the summary, it would be necessary to adapt the following topics below:</p> <ul style="list-style-type: none"> • Objective: briefly describe all the objectives proposed in the study; • Materials and Methods: Insert the study location (City, State and Country) and methodology used; • Results: Summarize the main results found in a clearer and more objective way, as the interpretation was confused; • Conclusion: The other findings were not cited; cite briefly. <p>4th) Include a section on objectives, or in the last paragraph of the article's introduction, include all the objectives proposed for carrying out the research;</p> <p>(5th) Include in the Materials and Methods section, in the Datasets and Data Selection topic, the location where the study was carried out (City, State, Country and the affiliated Educational Institution).</p> <p>In the topic of Statistical Analysis, in which program the data were run.</p> <p>And finally in the topic Ethical Considerations, the approval number of the Ethics Committee and information about the signature of the TCLE's by the study participants;</p> <p>6th) In the results section, table 2 could be removed or better adapted, as they present a lot of data that can confuse the reader.</p> <p>The results presented in tables 3 and 4 are not defined as objectives of the work and are presented separately in the text, it would be necessary to make a connection and include these data as the objective of the research;</p> <p>It was concluded that the study establishes evidence that diabetes is a factor associated with increased risk of infection by the HPV-18 genotype only in young women (age group 40 to 44 years), but this finding was not clear in the results found. Include a paragraph with this finding, evidencing statistical significance (p value, relative risk and confidence interval);</p> <p>7th) In the discussion section, it would be necessary to include a paragraph related to the results presented in relation to blood plasma glucose levels in patients with type 2 diabetes</p>	

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	<p>infected by HPV divided by genotypes and also about performing a Pap smear in the study population.</p> <p>In the last paragraph of the discussion, it was discussed that “In addition, t2D increases the risk of HPV-18 genotype infection in young adult women with a probability of 79.8%. However, the hazard ratio for women aged 20 to 24 is very large, suggesting that more studies should be conducted in this population group” , however this result was not evidenced in the results section, it would be important to make this information clear in the results as well;</p> <p>Emphasize study limitations and possible future strategies;</p> <p>8) The conclusion of the study was very summarized, it would be necessary to explore this topic further;</p> <p>9th) Review all abbreviations throughout the text, adjust the titles, body and legends of tables and figures and finally review the English;</p>	
<p>Minor REVISION comments</p>		
<p>Optional/General comments</p>		

PART 2:

	<p>Reviewer’s comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><u>(If yes, Kindly please write down the ethical issues here in details)</u></p>	

Reviewer Details:

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