

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_81082
Title of the Manuscript:	EVALUATION OF ORAL HEALTH CONDITION AMONG THE PREGNANT FEMALES AT TERTIARY CARE HOSPITAL OF HYDERABAD, SINDH
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:

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PART 1: Review Comments

	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)
Compulsory REVISION comments	<p>The research is of clinical relevance and I would like to thank the author(s) for their efforts. However, the quality of the paper needs significant improvement in many aspects before being considered for publication. I recommend reconsideration after major revision. Kindly address my comments below:</p> <ol style="list-style-type: none"> 1) In general, the whole paper needs to be rewritten following the STROBE guidelines. 2) An English recheck is mandatory, there are too many language mistakes. 3) Title: Please include the type of the study. 4) Keywords: Please use MeSH keywords (MeSH on Demand (nih.gov)). 5) Introduction: <ol style="list-style-type: none"> a) "Changes in hormones during pregnancy may alter the physiological conditions that impose the bad impact of different body parts including gastric and oral health of the mother." Clarify how the gastric changes can affect the oral health for better understanding of its relevance in the introduction section rather than later in the discussion. b) "C-reactive protein is considered as marker for systematic inflammation and it is only marker responsible for periodontal diseases. [5]" The reference is too old!! There are so many biomarkers that play a role in PDL disease. c) Generally, the introduction is not organized and the role of hormonal changes of pregnancy in altering the oral health status is not written clearly. Please rewrite it. 6) The aim of the study in the introduction is not fully consistent with the one stated in the abstract. The levels of oral hygiene is a subset of the evaluating the oral health condition as a whole (caries and periodontal indices and others). Please rewrite the aim as written in the abstract. 7) Methods: <ol style="list-style-type: none"> a) Where is the sample size calculation statement?? It is mandatory to mention how you chose your sample size and cite the appropriate references from previous studies of similar design. b) "Medical history was taken in order to ensure any major disease or medication affecting oral health, habit of smoking and alcohol consumption was also noted." Did you include or exclude females with medical conditions, smoking and alcohol consumption?? Clarify. Also, if you included them, mention how those conditions affected the oral health condition of pregnant females?? Are there any statistical data present?? 8) Results: <ol style="list-style-type: none"> a) The results needs re-presentation, they are not informative. Moreover, they are not in line with the stated aim of the study. What is the prevalent or significant oral health problem in each trimester?? What are the mean score values of your outcome measures?? Are there any differences in those measures between trimesters and age groups?? Providing more comprehensive data and P values is applicable. b) What are the results of the DMFT index????? c) You didn't mention anything about pregnancy tumor (pyogenic granuloma) in any section of your paper!! Among your study participants, no pyogenic granulomas were noted at all?? Clarify d) In this study, some data that influence the oral health condition in pregnancy were missing. For example, education, the socioeconomic status, awareness of the importance of oral care during pregnancy, compliance with the dental follow-up visits and the overall oral health status before pregnancy if 	

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	<p>applicable. Did you gather those data? If not I recommend this should be added to the study limitations.</p> <p>9) Discussion and conclusion: a) They are totally irrelevant with the study aim and the provided results. b) "There was huge difference observed among the control trial group and 2nd and trimester group whereas the difference were not enough among the control and 1st trimester group." What control trial group? Is it a cross-sectional or case control study?? You did not mention any groupings in the methods!!! Clarify. Also, throughout the discussion you kept mentioning data that weren't mentioned in your tables, what differences do you mean here? No p values were stated at all. Moreover, the comparison you chose (other studies) aren't relevant with your own results. For example, you mentioned studies that discussed caries in pregnancy and as mentioned above, you provided no values of the DMFT scores. c) Please choose the appropriate outline for your discussion. Re-arrange your data then compare your results with other relevant studies.</p> <p>10) References: Some are too old, renovate them for an updated and timely research.</p> <p>All in all, Please rewrite this paper with more details and better presentation of all your data and a good language to be more comprehensive, conclusive and clinically relevant.</p>	
Minor REVISION comments		
Optional/General comments		

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>	

Reviewer Details:

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