



SDI Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_47720
Title of the Manuscript:	Study of Salivary Alpha-amylase Activity Level for Predicting Malignant Ventricular Arrhythmias in STEMI Patients
Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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>We have reviewed in detail the document sent for publication in the journal under his charge, with some suggestions for the authors:</p> <ol style="list-style-type: none"> 1. The biological plausibility of the relationship between salivary amylase and acute coronary syndrome can not be clearly seen. There is an outline of this relationship in some lines but we suggest to be more profound in the antecedents. 2. We propose to review the following references: <ul style="list-style-type: none"> Walther, A., Breidenstein, J., Bösch, M., Sefidan, S., Ehlert, U., Annen, H., ... & La Marca, R. (2019). Associations between digit ratio (2D4D), mood, and autonomic stress response in healthy men. <i>Psychophysiology</i>, e13328. Singh, R. S., Singh, T., & Singh, A. K. (2019). Enzymes as Diagnostic Tools. In <i>Advances in Enzyme Technology</i> (pp. 225-271). Elsevier. Malathi, N., Mythili, S., & Vasanthi, H. R. (2014). Salivary diagnostics: a brief review. <i>ISRN dentistry</i>, 2014. Rahim, M. A. A., Rahim, Z. H. A., Ahmad, W. A. W., & Hashim, O. H. (2015). Can saliva proteins be used to predict the onset of acute myocardial infarction among high-risk patients?. <i>International Journal of Medical Sciences</i>, 12(4), 329. Zhang, C. Z., Cheng, X. Q., Li, J. Y., Zhang, P., Yi, P., Xu, X., & Zhou, X. D. (2016). Saliva in the diagnosis of diseases. <i>International journal of oral science</i>, 8(3), 133. Cozma, S., Dima-Cozma, L. C., Ghiciuc, C. M., Pasquali, V., Saponaro, A., & Patacchioli, F. R. (2017). Salivary cortisol and α-amylase: subclinical indicators of stress as cardiometabolic risk. <i>Brazilian journal of medical and biological research</i>, 50(2). 3. The title speaks of prediction however the design that was made is not according to a prognostic test as it is implied, it is suggested to adjust it since finally it is a cross-sectional study in which it compares subjects with infarction with and without malignant arrhythmias. 4. Once clarifying that it is an analytical cross-sectional study of two groups (infarction with and without malignant arrhythmias), we defined that differences of demographic characteristics and especially of salivary amylase levels were sought. 5. Revision of the operational definition of the variables, methodology and discussion is required. 6. The conclusion should be limited to the findings of the study, so it is risky to conclude that amylase levels predict the presence of arrhythmias; perhaps it is concluded that there is a difference in the concentrations of both groups and that other potential confounders must also be taken into account. 	
Minor REVISION comments	<ol style="list-style-type: none"> 1. It is suggested to standardize the way of referring. 	



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Optional/General comments		
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PART 2:

	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>
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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