



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_38498
Title of the Manuscript:	Cardioprotective effect of enalapril on isoproterenol-induced myocardial infarction in rats
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:

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



SDI Review Form 1.6

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>This paper reports that enalapril protects myocardium against myocardial infarction injury induced by isoproterenol in rats evidenced by haemodynamic, biochemical, histopathological and immunohistochemistry parameters. Although the main idea of the study shows potential interest, there are some critical points to be considered:</p> <ol style="list-style-type: none"> 1. About experimental protocol, Group D (enalapril treated only) should be included. 2. The cardiotoxicity assay is critical in this study. Authors should provide data showing the effect of enalapril on myocardial marker enzymes (such as LDH, CK) and cardiac functions (Hemodynamic Studies) in isoproterenol-induced myocardial infarction injury in rats. Otherwise, the data is not enough to draw the conclusion. 	
Minor REVISION comments	<p>In addition, there are a number of technical and conceptual issues need to be addressed due to which the results or at least the conclusions are not so convincing.</p> <ol style="list-style-type: none"> 1. Were enalapril and isoproterenol administered by intra-peritoneal route or other method? Why to choose the dose of enalapril and isoproterenol? Please describe clearly. 2. The ethics statement of animal is absent in MATERIALS AND METHODS section. In MATERIALS AND METHODS section, Catalase assay (CAT) and Estimation of lipid peroxidation assay (TBARS) were included. However, In result section, there is no the corresponding results. 3. Further amendments to figures and tables legend are suggested. For example: In Figure 4, 5, 6, 7 legends, there is "Grp A", "Grp B", "Grp C" tag, however, no the corresponding "Grp A", "Grp B", "Grp C" tag exist in Figure 4, 5, 6, 7, and so on. 4. In figures and tables, what does "a, b" stand for respectively? And P value and number of animal should be provided. 5. What is the rationale for observing CRP, PT and NPT in heart? It should be mentioned in text. 6. The picture quality is poor, Figure 15, 16 in particular, it is suggested to change the image. 7. There are many errors in grammar and typography. It is recommended to go through the paper a few more times to correct these errors. Such as, "p< .05" should be "p<0 .05". 	
Optional/General comments	<p>Although the main idea of the study shows potential interest, there are some critical points to be revised.</p>	

Reviewer Details:

Name:	Bimei Jiang
Department, University & Country	Department of Pathophysiology, Xiangya School of Medicine, Central South University, China