



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_13997
Title of the Manuscript:	Effect of L-arginine in eNOS expression in heart tissues of diabetic 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>)



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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 Diabetic rat model Graph presentation	The authors' are not stating what the diabetic rat model is (Type 1 vs Type 2). The manuscript discusses obesity-related Type 2 diabetes in humans. The use of alloxan produces a rat model of Type 1 diabetic rats. No body weights are given in the Results section. It is not clear what type of diabetes is being studied. Type 1 and Type 2 diabetes have differences in their pathologies. This is a crucial flaw in this study. This needs clarification. Figure 5 should indicate where the significance is displayed between the groups.	The required revision was did and the additions highlighted (Alloxan and streptozotocin selectively damage pancreatic β-cells and exhibit the most potent diabetogenicity. They have been widely used for induction of experimental diabetes mellitus type I. The mechanism increasingly accepted is the fragmentation of nuclear DNA of pancreas β-cells. Which seems to be important for the development of diabetes and is supposed to result from the accumulation of superoxide or hydroxyl radicals in the case of alloxan) [1]. The figure was revised in the text



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<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	If the authors' correct what this Reviewer has pointed out, I would be willing to look at a revision of the manuscript so this paper may eventually be published.	