



SDI Review Form 1.6

Journal Name:	Cardiology and Angiology: An International Journal
Manuscript Number:	Ms_CA_19092
Title of the Manuscript:	Antioxidant and radical scavenging properties of β -carotene on Cisplatin induced cardiotoxicity.
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	The major concerns for this manuscript lie in the written style of the results and discussion. For the results, the data presentations are redundant (between tables and figures), not well organized and not carefully checked through. For example, no antioxidant markers are shown in Table 3 as mentioned in the Table title. In addition, such comparison (as shown in figure 1-4) did not have any significant meaning. Only comparison between experimental groups is reasonable and essential. The discussion contained an intense literature review rather than an analysis of the result obtained from the present study. No discussion concerning the changes of body weight as well as heart weight provided. Also, whether the changes in non-specific serum biochemical parameters (LDH,AST,ALT,ALP,TG,TC) could originate from cisplatin-induced liver injury, apart from cardiac injury, should be commented on. Overall, these two parts need vigorously revision.	We have removed the antioxidant title in the table no. 3. The figures were indicated as an adjunct to the tabulated data indicating the comparison between the various serum and antioxidant parameters. However, i have removed the figures 1-4. Bodyweights discussion in mentioned Justification given is highlighted in the manuscript
Minor REVISION comments	1. It is suggested to move the description	As suggested, it has been moved to materials and



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	concerning the histopathological methods (line 120-122 in the results) to the section of materials & methods. 2. Heart weight/body weight ratio should be calculated, at least, to indicate the development of hypertrophic cardiomyopathy.	methods section. Heart weight is calculated and mentioned
<u>Optional/General</u> comments	This is a straightforward study to investigate the potential benefit of β-carotene, through its antioxidant properties, on cisplatin-induced cardiotoxicity. The issue investigated has clinical impact and the study is designed according to the standard protocol. However, some points need attention to improve the manuscript. 1. Quantitative analyses of the injury score from histopathological observations could strengthen the findings. 2. CK MB is the only specific cardiac marker in this manuscript, while all others serum parameters are not. Since cardiac functions were not assessed in this study, if possible, more specific marker such as cardiac troponin should be included.	We tried to score the injuries from the histopathological findings though we weren't successful making so. Based on the research funding and the equipments available with us we were atleast able to do CK MB. We take your suggestion to look forward for any further extension in future fulfilling the areas that are necessary.