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Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_JAMPS_29269
Title of the Manuscript:	EVALUATION OF CARDIOPROTECTIVE PROPERTIES OF AQUEOUS AND ETHANOLIC EXTRACTS OF ENTANDROPHRAGMA ANGOLENSIS, COLA NITIDA AND GOMPHRENA ACUTIFOLIA AGAINST DOXORUBICIN-INDUCED CARDIOTOXICITY 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>)



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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	1. This work was done in just one of the heart abnormalities, i.e. cardiotoxicity induced by doxorubicin. This condition could not be used as a representative for all other cardiac abnormalities. So, the aim including background to the study must be more specific to this condition. The authors should emphasize the reason or the clinical impact (benefit) of choosing this model for their investigation, rather than describing in general. 2. The methods are not quite clear. Several points/questions need to be addressed. 2.1 Why using animals in both sexes? Any hormonal impact? 2.2 The yield as well as phytochemical constituents of the extract should be analysed and demonstrated. 2.3 Why using resveratrol, not other phenolic antioxidants, as positive control? 2.4 Why it is necessary to measure lipid profiles (TG, Cholesterol, HDL) in this condition? 2.5 CK-MB is the only specific cardiac parameter evaluated in this study. Other cardiac markers (e.g. Troponin) or, at least, histological study of heart tissues are needed. 2.6 As it is expected that the antioxidant properties of the extracts are responsible	1. The title of the article was improved taking into account your comment. The new title is mentioned in the left column. 2. 2.1. The animals of both sexes were used to verify the nature of gender could influence the results. 2.2. The study phytochemical extracts has already been done by other researchers of our laboratory. References [38,39,40] 2.3. The aim was that the reference cardioprotective whether through its antioxidant activity. And this is the case of Resveratrol [18]. 2.4. Induced cardiotoxicity with doxorubicin is mediated by free radicals and the involvement of oxidative stress[36]. However the stress affects the profile of serum lipids with consecutive hypertriglyceridemia an increase in lipoprotein very low densities VLDL. And there is a reduction in the concentration of lipoproteins of high density and low density (HDL, LDL). It was therefore necessary to



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	for their potential benefits, it is necessary to measure oxidative stress parameters (at least, the malondialdehyde and reduced glutathione are required). 3. The result section is the most confusing part, particularly the illustrations. All abbreviations in the Figure legend are totally different from its really appeared in the Figure. These issues need intensive revision! Use the same abbreviation and nomenclature as described in the method. 4. The results are expressed as mean $\pm$ SD or SEM. Standard error of the average is SEM. (recheck page 5, line 162-163) Ethical issues: Yes. This work involves the use of animals for research. Thus, a statement concerning the approval from an animal ethics committee must be declared.	measure lipid profile [34,35] . 2.5.The specificity of CK-MB focuses on the origin of enzymes ALAT , ASAT and LDH in this study. The histological study is a perspective that will be realized later 2.6. The antioxidant properties, including oxidative stress parameters were determined by other member of our research team. References [6,7,8] . 3. These comments were considered in the revision of the manuscript (Figure 1,2,3,4,5,6,7,8 and 9.) 4. The results are expressed as mean $\pm$ SD. This Note was taken into account in the revision of the manuscript (page 5 line 171). Ethical issues: Yes. This work involves the use of animals for research. The statement on the approval of an ethics committee said on page 3, lines 81-85 1. Effets des extraits aqueux et ethanoliques d'entandrophragma angolense, cola nitida et gomphrena celosioides sur une cardiotoxicite induite par la doxorubicine chez le rat.
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<u>Minor</u> REVISION comments	1. Add "cardiotoxicity" in the keywords. 2. A number of typing errors are detected. Carefully check through.	1. This recommendation was taken into account in the revision of the manuscript (page 1 line 32). 2. This Note was taken into account in the revision of the manuscript.
<u>Optional/General</u> comments	The study design of this investigation is not appropriate. The manuscript is not well presented and written. The description was not clear, very confusing and difficult to understand. Also, some English expressions need revision.	This observation was taken into account in the revision of the manuscript.