

Review Form 1.6

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_92777
Title of the Manuscript:	DIGITALIS PURPUREA IMPROVE OBESITY INDUCING ALTERNATION OF CARDIAC INFARCTION : A META ANALYSIS
Type of the Article	Review 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:

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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>Dear author: Some considerations about your interesting article. The theme is a new perspective and can have scientific importance since obesity is known today as a pandemic and digitalis are less used in western developed countries, but are still under consideration in others countries. Some general comments can be explicit to the manuscript: The text is extensive (nearly 10 thousand words, the journal advise is 5000-9000) and as advise it is worth to include the main pathophysiological aspect and less standardized article comparisons seen in meta-analysis. In this regard the title could be something like: Digitalis purpurea, obesity and heart disease If the title is kept as a Meta-analysis some modifications need to be made. The scientific writing style can be improved, there are some basic grammar and spelling errors observed throughout the manuscript as example: some words need to be corrected (practise , centred, globalization, kilogrammes, cadiac and so on). Introduce acronyms: Introduce each acronym the first time it's used in a document. To do so, write out the term in full, followed by its abbreviation in parentheses. For example: body mass index (BMI). which asserts that a person who already has cardiovascular disease may potentially benefit from being overweight and having a higher body mass index (BMI). "This is because of the fact that having a higher body mass index is related with an increased risk of developing cardiovascular disease³². The body mass index, also known as BMI, is a useful tool for estimating the likelihood of developing cardiovascular disease; however, it provides no information whatsoever regarding the distribution of fat in the body." Could be: This is because of the fact that having a higher BMI is related with an increased risk of developing cardiovascular disease³². The BMI is a useful tool for estimating the likelihood of developing cardiovascular disease; however, it provides no information whatsoever regarding the distribution of fat in the body. A proofreading service should be advised (third party service). The title of the article states that is a meta-analysis but failed to ascribed more using the PICO model (Population, Intervention, Comparison and Outcome). In this regard the title should be left as a review, otherwise it is suggested to follow some guidelines currently preferred (PRISMA). In the method section it could be very useful how the articles were selected, it is recommended to use a flow chart, the language used for search, the period and the key words. An exclusion or/and inclusion criterion of the articles can be stated. There are some concepts that need to be revised for example in the following sentences: "In adipose tissue, inflammation and oxidative stress lead to a reduction in the production of adiponectin and an increase in the release of pro-inflammatory adipokines and cytokines, in addition to the hunger hormones resistin and leptin¹⁰" The author must know that adipokines are cytokines, leptin is an adipokines, adiponectin is a cytokine. In this regards many sentences need to be alter. There is very important publication in mice about the digoxin effect over metabolism through the IL-17A axis. The IL-17A is a cytokine produce by obesity. This could be basis for theoretical improvement of heart failure obese patient. There are in the article reference mismatch for example: "Research on obesity brought on by a high-fat diet (HFD) is conducted using a number of different animal models, the mouse being the one used the most frequently²¹." The reference is mostly about cellular essays not mentioning animal models. Zhang J., Wang X., Vikash V., Ye Q., Wu D., Liu Y., Dong W. ROS and ROS-Mediated Cellular Signaling. <i>Oxid. Med. Cell. Longev.</i> 2016;2016:1–18. doi: 10.1155/2016/4350965.</p> <p>The author initiates writing epidemiological aspects of heart disease in obesity later on</p>	

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	<p>continues to describe some metabolic and cellular problems and then return to epidemiological aspects. It is suggested that separate in blocks these characteristics avoiding loop ideas.</p> <p>The author says that "In addition, Digitoxin's rapid adoption can be attributed to the fact that it is the most widely used cardiac glycoside and that it is derived from Digitalis lanat Cardiac glycosides are medications that can cure mild to severe cases of congestive heart failure⁸⁷."</p> <p>Nonetheless the referenced article is in rats and experimental, not applied to address the word cure of a disease, especially when describing heart failure in humans.</p> <p>It is suggested to the author to change the keyword cardiac vascular disease to cardiac heart disease. The author might use cardiovascular disease, though the term is known as a big umbrella for all types of diseases that affect the heart and blood vessels. On the other hand, heart disease is destiny for a variety of conditions that affects the heart's structure and function.</p> <p>Also, the author should remember that keywords are design to link the manuscript with the search engines abroad, in this case the first keyword herbal treatment is not much explained in the article, instead the word digitalis is more appropriated.</p> <p>There manuscript has some redundances, as an example: Digitoxin's rapid adoption can be attributed to the fact that it is the most widely used cardiac glycoside and that it is derived from Digitalis lanatus, the plant from which it is distinguished by its superior predictability in pharmacokinetics. In addition, Digitoxin's rapid adoption can be attributed to the fact that it is the most widely used cardiac glycoside and that it is derived from Digitalis lanat Cardiac glycosides are medications that can cure mild to severe cases of congestive heart failure⁸⁷.</p> <p>Finally It is worth for the scientific community to show studies showing benefits of digoxin in obese patients with cardiovascular disease, or in atrial fibrillation.</p>	
Minor REVISION comments		
Optional/General comments		

PART 2:

	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)
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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