



SDI Review Form 1.6

PART 1:

Journal Name:	<u>International Blood Research & Reviews</u>
Manuscript Number:	2013_IBRR_5220
Title of the Manuscript:	ATRIAL FUNCTION AND GLUTATHIONE IN CHILDREN WITH IRON DEFICIENCY ANEMIA
Type of the Article	Research paper

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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 title is clearly stated although it did not reflect where the study was conducted - The introduction is adequate and acceptable. However the author did not state the rationale of the study - The objective is clear and well formulated. - The methods were extensively described with minor comments. In addition the author has mentioned nothing about the methods and instrument of data collection - The study approaches and investigations are technically sound. - The statistical analysis has been adequately described - The layout and interpretation of the results are quite clear - The discussion is fairly detailed and the author has adequately compared the study findings with other researchers' results. - The conclusion is relevant to the study results and accepted. - The author has included recommendations although this does not tally with the standard guidelines of the journal. - The references are correctly cited in the text and in the list using Vancouver style. The wordings and the language are scientifically sound. However there minor spell and grammar mistakes The title is expected to reflect where the study	The rationale was added (page 2 lines 57-59). Method and instrument of Data Collection were added (page 5 lines 166-168). Recommendations were removed and merged into conclusion. The language was revised and we tried to improve the quality as long as we can. We added the word (Egyptian) to the



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	was conducted • • The rationale has to be spelled out within the introduction • • • The method and instrument used for data collection has to be described within the methods • • The author is advised to follow the standard guidelines of the journal and to omit the recommendations.	title to reflect where the study was conducted Rationale was spelled out within the introduction. Done done
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Minor REVISION comments	- The abstract is structured and informative. However the results have been presented without P-values, statistical tests results and confidence intervals - The study design is described by the author as (prospective case control). It is not clear for me how the study is prospective and case control - The matching process: the author has conducted matching to ensure comparability of the cases and the controls. However nothing was mentioned about the process of matching i.e. is it individual or group matching Inclusion criteria The author stated that children with pure anaemia were included. It is not clear what does "pure" exactly mean? The ethical clearance: The author obtained an ethical clearance from IRB, the Department of Paediatrics (departmental). My point is that since the ethical clearance has been obtained from the IRB, then it should be institutional rather than departmental The author is advised to include the P-values, the results of statistical tests and confidence intervals within the results presented in the abstract. The design is simple case control. I suggest that the author should explain the type of matching i.e. individual or group matching It is better to indicate exactly the inclusion criteria of the study subjects such as ✓ Clinically or laboratory diagnosed cases rather than pure iron deficiency anaemia ✓ Old or newly diagnosed cases of anemia ? - It is better to state that the ethical clearance has been obtained from the IRB at the faculty or university	P value, and statistical tests results were added Corrected to case-controlled study Group matching (cleared) That means IDA without associated congenital or acquired systemic diseases (made clearer). The Paediatric department is a separate hospital by its own and is independent from the Faculty and has its own ethical committee, after its approval we get the IRB. Correction done. Done Corrected Group matching. Correction done. Correction done Correction done
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	rather than departmental. - Table (1): Demographic data and laboratory in patients and control children: I suggest the title to be stated as follows: Demographic data and laboratory results among patients and control children - Table 2: Conventional and Tissue Doppler Finding in both patients and control groups. I suggest to correct : Conventional and Tissue Doppler Findings etc	Correction done Correction done
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<u>Optional/General</u> comments	- Referring to paragraph (1), line (4) under subtitle: Results: Hemoglobin% and serum ferritin was significantly... check spelling and grammar . - Referring to paragraph (2), line (2) under subtitle: Results: However, there were significant increase: check spelling. - Referring to paragraph (2), line (6): under subtitle: Results: However, there was significant difference: check grammar. - Referring to paragraph (2). Line (15), under subtitle results: non significant: check spelling. - Referring to paragraph (1), line (4), under subtitle: Discussion: one of the possible mechanisms is the associated oxidative stress that usually present with severe anemia, check spelling - Referring to paragraph (2), line (2), under subtitle Discussion: In our study we found significant increase in LA volume and emptying fraction in children with than that in the control group (Incomplete sentence) - Referring to paragraph (4), line (4) under subtitle Discussion: The difference in the velocities between RA and LA wall velocities was previously documented by ZHANG, ET al : check spelling - Referring to paragraph (8), line (6), under subtitle: Discussion: some studies showed that decrease level of glutathione may be another factor to decrease Hb% which may denotes the presence of interaction between the two parameters and vicious circle effect: Check spelling Referring to paragraph (1), line (2), subtitle: Study limitations and clinical implications: Second, there was little number of patients; check grammar	Corrected Corrected Checked and corrected Checked and updated Correction done Correction done Revised and corrected Revised and corrected Revised and corrected
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	The author is advised to carry out thorough corrections of the spelling and the grammar mistakes as shown under optional/General comments	
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