

**Review Form 3**

Journal Name:	<b>Journal of Advances in Medicine and Medical Research</b>
Manuscript Number:	<b>Ms_JAMMR_122299</b>
Title of the Manuscript:	<b>THE IMPACT OF THE INTER-SET REST PERIODS OF HIGH-INTENSITY INTERVAL TRAINING IN THE ACUTE GLUCOSE AND INSULIN SENSITIVITY IN TYPE I DIABETIC CHILDREN: A RANDOMIZED CROSSOVER TRIAL</b>
Type of the Article	

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	As the title focuses on the necessity of exercise training on a metabolic disease type 1 diabete, it can be interesting and practical. Eventhough, HIIT is not totally prescribed for children specially with overweight and type 1 diabetes. if the author can convince the scientists in Sport sciences in this regard, it can be accepted and applicable. If not, it is not reasonable to use the HIIT pressure in the study method.	
Is the title of the article suitable? (If not please suggest an alternative title)	<p>HIIT has an intermittent nature. So, it does not need to bring inter-set in the title.</p> <p><b>THE IMPACT OF VARIOUS HIGH-INTENSITY INTERVAL TRAINING PROTOCOLS IN THE ACUTE GLUCOSE AND INSULIN SENSITYVITY IN TYPE I DIABETIC CHILDREN: A RANDOMIZED CROSSOVER TRIAL</b></p>	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	<p>The written text needs highly carefully grammatical corrections. Even some sentences lose the verb. line 1, line 3, line 4 and ...: please check the writing mistake, it seems a mistake in utilizing interest instead of inter-set.</p> <p>Line 6 and 7: using second in two different meanings makes the procedure unclear. Totally, the method part makes the reader of the abstract confused. Please read it in a simple and clear manner.</p> <p>-The way of blood sampling is not needed to be repeated, bring it in 1 well-described time.</p> <p>Keywords need to afford according to MeSH terms, the words are repeated and are selected weakly.</p>	
Are subsections and structure of the manuscript appropriate?	The total subsection is normal and suitable. The authors should insert acknowledgement, conflict of interest and funding part in the text, if any is existed.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	the main question according to the title is about the effects of HIIT on Type 1 diabetic children, while we cannot find any necessity of the intervention or any previous literature about type 1 diabetes and impacts of HIIT in the introduction. a min question for method is that HIIT with 90% of Max HR is suitable for children, especially with overweight and diabetes. How do you justify it?	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Numerous studies related to Insulin sensitivity and diabetes exist in the medicine literature. If the author can address more reports in the articles, the introduction and discussion will be more rigorous.	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The grammatical correction is highly recommended in all parts of the manuscript.</p>	
<p><b>Optional/General</b> comments</p>	<p><b>Abstract</b>          The written needs highly carefully grammatical corrections. Some sentences even loose the verb.          line 1, line 3, line 4 and ...: please check the writing mistake, it seems a mistake in utilizing interest instead of inter-set.          Line 6 and 7: using second in two different meanings makes the procedure unclear. Totally, the method part makes the reader of the abstract confused. Please read it in a simple and clear manner.          -The way of blood sampling is not needed to be repeated, bring it in 1 well-described time.          Keywords need to afford according to MeSH terms, the words are repeated and are selected weakly.</p> <p><b>Introduction</b>          -the main question according to the title is about the effects of HIIT on Type 1 diabetic children, while we cannot find any necessity of the study or any previous literature about type 1 diabetes and impacts of HIIT in the introduction.          -paragraph 4, please bring the references (e.g reference number 8) in the end of the sentence.</p> <p><b>Methods</b>          -in the first paragraph, please describe the cross-over blinded selection very briefly.          - please describe the way you selected the type-1 diabetic children for the study.          -a min question for method is that HIIT with 90% of Max HR is suitable for children, specially with overweight and diabetes. How do you justify it?          -please check the writing mistake, it seems a mistake in utilizing interest instead of inter-set.          - in burpee, an optional push-up can change the metabolism due to its laying position.</p> <p><b>Results</b>          This part needs to report more information about the anthropometrics and descriptive factors of the groups.          - to describe the differences between and within, I'd used "no significant difference" or "significant differences" instead of "difference".          - it is clearer to bring the exact p value instead of &lt;&gt; 0.05, 0.01 and so on.</p> <p><b>Discussion</b>          -The description of the previous studies must be addressed in the introduction. For instance, paragraph 3 describes the previous work of a study by De Teles et al in a fully-descriptive manner.</p>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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