



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_32764
Title of the Manuscript:	Plasma biotinidase as a predictor for hepatic synthetic function impairment
Type of the 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	Abstract: 1-“Recommendation” section is not logical, where no Biotin supplementation takes place during this study Introduction: (page 2& 3) 1- References must be added in the following places organic acids.(RF), biotin- dependent carboxylases.(RF), been reported .(RF), optic atrophy. (RF)enzyme activity(RF), , ketoacidosis and organic aciduria.(RF) In Patients and methods: 1- Please use a Table to describe the basic characteristics of study subjects including patients and controls. 2- Patients classified according to gender or according to live compensation or decompensation? Statistical analysis: Rewrite in One paragraph as the following “data were expressed as mean $\pm$standard deviation, and range. For quantitative data, comparison between two groups was done using Mann-Whitney test (non-parametric test corresponding to student t-test for variables. Comparison between groups was done using non-parametric ANOVA test). <i>P</i> Values were two-tailed and were considered significant if < 0.05.” Results: -Table 1 and 2 collected in one table with	The recommendation has been modified. This has been done in the introduction. The statistical analysis has been modified as required. Table 1 has been removed and written as a descriptive data at the beginning of the result section.



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	change in the title “descriptive -ALP & bilirubin, ALT,AST not recorded in table, why? -Table legend: “Mean $\pm$ SD and p-value NS: non-significant ($P>0.05$); $P<0.05$: significant; $P<0.001$: highly significant. - Age and gender classification in table 1. Why? The author didn't explain what is the meaning and importance of this classification and not disclose what it mean. -SD must be revised in the table 2 - figure 1,2,3 and 4 in what group of patients, author not remember that. - figure 1 &3: “negative correlation not (The inverse) - the correlation was done in the same group between 2 different parmetres to compare the level of each in the same group. I am afraid that the authors may misunderstand that. -table 3 don't add any new information. Discussion - its weak discussion, the results must be discussed more deeply. -References. Go to auther guides to write the references in correct mannar. - in the last paragraph (The effect of biotin (vitamin B 7.....) why?. There is no vit supplementation in this study.	-ALP & bilirubin, ALT,AST not recorded in table as the presence or absence of any significant difference as regard these parameters can't be used to judge weather the liver synthetic functions has been affected or not, for example ALT , AST may be raised while still the liver synthetic function is good (albumin and prothrombin levels within the normal range) and may be within the normal range but the liver synthetic functions is impaired, so I not place them in the results to avoid the conflict of readers. -Table legend: “Mean $\pm$ SD and p-value NS: non-significant ($P>0.05$); $P<0.05$: significant; $P<0.001$: highly significant has been added below the table. Table 1 has been removed and written as a descriptive data at the beginning of the result section. SD has been revised. the references has been modified according to the journal format. The last paragraph of discussion has been removed
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<u>Minor</u> REVISION comments	abstract: 1- in the last line of Patients and methods section: "ELIZA" must be corrected. 2- "INR": full name must be written before abbreviation.	This has been corrected as required
<u>Optional/General</u> comments	1-Title: "Plasma biotinidase as a predictor for hepatic synthetic function impairment" Can be changed to: "Plasma biotinidase as a predictor for hepatic synthetic function impairment in pediatric patients" to be more clear. 2-in table 1: Prothrombin time "PT", seconds- Prothrombin concentration "PC", %- Biotinidase Level,IU\L-gm. rewrite as following: PT(second)- PC(%)-Biotinidase activity(IU/L)- g . the full name of PC and PT write in table legend.	This has been done as required