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| Journal Name: | [**International Journal of Biochemistry Research & Review**](https://journalijbcrr.com/index.php/IJBCRR) |
| Manuscript Number: | **Ms\_IJBCRR\_142157** |
| Title of the Manuscript: | **Association between calcium, magnesium and lipid levels of vitamin D deficiency in obese children – A Cross-sectional Descriptive Study** |
| Type of the Article | Original Research Article |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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. A minimum of 3-4 sentences may be required for this part.** | **Obesity in children is linked to an increased risk of vitamin D deficiency. This Manuscript explores the complex interplay between vitamin D status and cardiometabolic risk factors, particularly in the context of childhood obesity and highlights potential preventative.** | Vitamin D deficiency is a significant health issue in the Middle East, especially among pediatric populations. This manuscript contributes to a better understanding of the biochemical implications of hypovitaminosis D in obese children, offering clinical insight into early detection through routine biomarkers. The findings may help guide regional health policy related to pediatric obesity, supplementation strategies, and nutrition-based interventions. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **This is suitable. But I think an alternative title, which will be better.**  **Title: “Association between calcium, magnesium and lipid levels of vitamin D deficiency in obese children.”** |  |
| 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. | **Yes, the abstract of the article is comprehensive.** |  |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is Scientifically correct.  (i) This manuscript have in text references and the reference list at the end of the manuscript, (ii) The article has written in clear academic language in English. (iii) Quantitative data analysis used by statistical software package “SPSS”. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, the references are sufficient and recent. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the language/English quality of the article is suitable for scholarly communications |  |
| Optional/General comments |  |  |

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| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |