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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.** | **It is useful to examine vitamin D levels in children and even adults, especially in the Middle East, because vitamin D deficiency is very common in these countries. This study helps to make health and nutrition policies more informed and provides a better view of underlying nutritional deficiencies.** | 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)** | **No**  **Alternative:**  **Study of lipid profile, calcium and magnesium on vitamin D deficiency in obese children and adolescents-** **Cross-sectional descriptive study** |  |
| 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. | **It is better to add the average and median age of individuals, gender, and maturity status to the summary of the article.** |  |
| Is the manuscript scientifically, correct? Please write here. | **The text of the article is scientifically correct, although confounding factors such as puberty, socioeconomic status, and gender are not considered.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **YES** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **YES** |  |
| Optional/General comments | **In this study, the gender of the study subjects was not specified, which would help determine the status of vitamin D deficiency according to gender. Also, the maturity status of the subjects was not specified because vitamin D consumption is completely different from the maturity status and body needs and affects serum A levels. Finally, the age chart of the subjects was not specified so that the average age and median age of the subjects could be examined.** |  |

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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)* |  |