



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_46267
Title of the Manuscript:	Vitamin D and obesity in adult populations in Egypt: the vitamin inadequacy in association with visceral fat distribution
Type of the Article	Original Research 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	1. Abstract In Study aim (Lines 20), I suggest the author to indicate the method of dosing used for vitamin D₃. In Keywords (Line 40) I suggest to remove visceral fat and add the name of the country 2. Methods Biochemical analyses(Line 367) I suggest to include creatinine, calcium, phosphore and PTH to avoid a long discussion. This is to eliminate metabolic disorders and focus on Anthropometric measurements and vitamin d. 3. Results (Lines 406- 472) . Author must reduce the number of tables. Combine Tables 3a and 3b into a single table And Tables 4 and 5 into a single table. . Put the Legend and add in the caption the definition of abbreviations for a better readability of the for a better understanding table . The table of postmenopausal women is not essential because physiologically vitamin D decreases in women at menopause 4. Discussion (Lines 492- 585) Author must arrange the discussion to highlight the relationship between Anthropometric measurements and vitamin d. 5. Conclusion . Would vitamin D be trapped inside adipose tissue? This is the suggestion of this study that reveals that obesity can lead to a lack of vitamin D, but also that genetics, such as diet and exercise, play a role in obesity.	The method of measuring and dosing the vitamin is already mentioned in the next third line of the methodology, as follows: and VFA assayed using bioelectrical impedance analysis (BIA). Country "Egypt" added to keywords. The study has already been done. Crumbling the tables together makes them look complex. But anyway, I did what you are asking for. All abbreviations have already been spelled out fully the first time they appeared text. Why to repeat in the tables? Anyway, I added them as footnotes. Principal anthropometric measures here involve weight and height, in other words, obesity as assessed by BMI. The study's prime quest involves central (visceral) obesity, measured by VFA, and the relationship between visceral obesity and vitamin D. This has been well addressed in the discussion. Shifting the discussion from the influence of visceral obesity on vitamin D to the influence of anthropometric measurements (which are weight and height) on vitamin D might not be so convenient. A separate conclusion section has been added after the discussion section. The study's mainstay is that obesity as a determinant (independent variable) can lead to vitamin D deficiency (the outcome – dependent variable). The conclusion is a concise wrap-up of any research. Its function is to highlight the main finding to indicate that the study aim with respect to the outcome, i.e., vitamin D deficiency, has been achieved, the research hypothesis has been examined, and the research questions have been answered, alongside with adding a very brief relevant recommendation, or so. Shifting the talk toward the study input, i.e., obesity, i.e., the independent variable, and explaining what related independent variables, such as diet, genetics, and exercise affect obesity might not be so convenient in the conclusion of this study? What is the importance and what is new in mentioning in the conclusion that obesity can be caused by diet, genetics, or lack of exercise?
Minor REVISION comments		
Optional/General comments	Article is good and deserves to be published after corrections	Appreciated



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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	