

Comment on: The utility of vitamin D levels in predicting the severity of coronary artery disease in obese patients

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I read with interest the article titled “The utility of vitamin D levels in predicting the severity of coronary artery disease in obese patients” by Candemir et al.,^[1] published in the journal Cardiovascular Surgery and Interventions. This cross-sectional study investigates the relationship between vitamin D (25-hydroxy [OH]D, 25[OH]D) levels and the severity of coronary artery disease (CAD) in obese patients undergoing coronary angiography due to stable angina pectoris, using the SYNTAX score. The data obtained from the study indicate that in obese patients with vitamin D deficiency, the severity of CAD increases in relation to higher SYNTAX scores. However, I believe several points need to be addressed.

I believe it is necessary to provide information about the patients undergoing coronary angiography due to stable angina pectoris, such as their previous coronary angiography history, stent history, and current medical treatments. Additionally, the effects of current treatments on vitamin D levels should also be considered.

There is extensive literature on the effects of statins, which are frequently used in the treatment of CAD, on vitamin D levels. Therefore, I believe the current medical treatments of the patients should also be taken into consideration.

Additionally, climate and sun exposure time significantly contribute to vitamin D production. Hence, I believe that these findings could be further expanded through multicenter studies examining potential connections between climate, sun exposure time, and vitamin D production. Additionally, as the authors have also mentioned, I believe that increasing the number of patients will lead to more valuable data.

In conclusion, the study by Candemir et al. suggests that more severe CAD is observed in obese individuals. The fact that vitamin D deficiency may be an independent predictor of CAD severity in this population is very valuable. I congratulate the authors and look forward to future research on this topic and hope that the authors will consider my suggestions in their future work.

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