

PEER-REVIEW REPORT

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Title: Association of vitamin-D and knee osteoarthritis in younger individuals

Reviewer's code: 00505361

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Doctor, Lecturer, Staff Physician, Surgeon

Reviewer's Country/Territory: Thailand

Author's Country/Territory: India

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Reviewer chosen by: Xiao-Quan Yu

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Dear Authors The authors of this manuscript evaluated the association between vitamin D and knee osteoarthritis in the younger age group. I have a number of criticisms as follows; # Major points 1.This was a case control study not observation study. 2.No details regarding how to select case and control and how to match 3.No detail in evaluation process either clinical.lab or radiography (who, what and how) 4.No detail how to select variable into the model and which technique use for Logistic regression analysis . 5.potential confounder such as socioeconomic status, smoking, BMI,occupation should be collected and adjusted. 6 Additional limitation should be added included control group may not be perfectly matched. 7 Sample size may not be enough and power analysis should be calculated. # Minor point Reference number 2,4,6,9,12,17,22 must be rechecked for format