



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_28595
Title of the Manuscript:	Effect of 25-hydroxy Vitamin D and Hemodialysis on Vitamin D Axis in Sudanese Renal Failure Patients
Type of the Article	Short 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. The dose and duration of vitamin D treatment in HD patient should be included; also healthy control subject take vitamin D?, the fact should be also included. Do HD patient received 1,25OHD? 2. HD patients and control's age (Mean±SD), BMI, Bum/Cr... should be included 3. 25OHD has long half-life and should not change by HD. It is possible vitamin D binding protein removed by HD: Youselzadeh et al Vitamin D Binding Protein Impact on 25-Hydroxyvitamin D Levels under Different Physiologic and Pathologic Conditions. Int J Endocrinol, vol. 2014; 2014. doi:10.1155/2014/981581. PD lower vitamin D binding protein!	1- The dose is added to the manuscript. I believe that healthy subjects are not on any medicine. The vitaminD was in the for of 25 hydroxyvitamin D. 2- The SD values are in the table. We did not do anthropometric parameters. 3- This is what we have found for that reason we want to share our findings to the scientific community.
Minor REVISION comments	1. In introduction, you do not have to include how PD done. 2. PTH levels usually higher in ESRD patients (secondary hyperparathyroidism). 3. Data should present as Mean ± SD or SE. 4. The calcium concentration in your dialysis bath should be included in you methods, HD duration in this study 3 or 4 hours? 5. Liver and thyroid function normal in patients and control subjects?	4- The introduction is changed according to the reviewers comments 5- May be there is effect of vitamin D dose. 6- The dialysis information is added in the manuscript. 7- We did not evaluate the liver and thyroid functions



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<u>Optional/General</u> comments	The authors of Effect of 25-hydroxy Vitamin D and Hemodialysis on Vitamin D Axis in Sudanese Renal Failure Patients found that HD lower total 25OHD by 35%! What are the mechanisms?	It is well known that the relation between vitamin D axis parameters is complex with feedback mechanism.
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