

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_80783
Title of the Manuscript:	Fibroblast growth factor 23 (FGF23) is an early specific marker in the diagnosis and staging of chronic kidney disease (CKD) in human
Type of the 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:

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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		
Minor REVISION comments	<p>It is interesting to note that the first description of FGF23 was actually in thalamic nuclei in the murine brain . However, data about possible functions of FGF23 in the brain are still scarce. It was reported that high concentrations of FGF23 may interfere with neuronal ramification and may increase synaptic density in cultures of hippocampal neurons , but very little is known about potential physiological functions. The parathyroid gland is one of the organs abundantly expressing αKlotho, making it a potential target tissue for FGF23. Although the heart may be an important target tissue at supraphysiological FGF23 concentrations, promoting cardiomyocyte hypertrophy in CKD patients by a Klotho-independent signaling pathway, FGF23 is not expressed in the normal heart, and heart function is normal in <i>Fgf23/VDR</i> mutant mice . These findings suggest that FGF23 does not have a functional role in the heart under physiological circumstances.</p> <p>Taken together, there is only little evidence that FGF23 has a role in normal physiology in organs other than kidney and bone. (https://doi.org/10.3389/fendo.2018.00267) Please read this article for matching some informative tips. Are there any other organ disease to detect such kind of trouble?</p>	
Optional/General comments		

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

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