## **Accepted Manuscript**

Title: Vascular function and cholecalciferol supplementation in CKD: A self-controlled case series

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PII: \$0960-0760(18)30001-3

DOI: https://doi.org/10.1016/j.jsbmb.2018.01.001

Reference: SBMB 5097

To appear in: Journal of Steroid Biochemistry & Molecular Biology

Received date: 2-11-2017 Revised date: 26-12-2017 Accepted date: 3-1-2018

Please cite this article as: Kumar V, Yadav AK, Singhal M, Kumar V, Lal A, Banerjee D, Gupta KL, Jha V, Vascular function and cholecalciferol supplementation in CKD: A self-controlled case series, *Journal of Steroid Biochemistry and Molecular Biology* (2010), https://doi.org/10.1016/j.jsbmb.2018.01.001

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## ACCEPTED MANUSCRIPT

#### Title

Vascular function and cholecalciferol supplementation in CKD: A self-controlled case series

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### **Highlights**

- Cholecalciferol supplementation in patients with CKD and vitamin D deficiency improved endothelial function (FMD) and vascular stiffness (PWV)
- NMD also improved which is a novel finding and needs to be explored further
- PTH decreased with cholecalciferol supplementation
- FGF-23 also decreased with cholecalciferol supplementation unlike previously reported increase with use of activated vitamin D

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