

# Insights in Nephrology Research

Review Report

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**Article Title:** Bone Mineral Density and Hemodialysis Vintage

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**Submission Date:** April 30, 2017

**Review Status:** Revision Required

**How to Cite this Report:** Arun Chawla. Review Report for: Bone Mineral Density and Hemodialysis Vintage [Version 1, Awaiting Peer Review]. Insights Nephrol Research. (2016) 1: 2.1

## Review Report

Discussion section needs major revisions.

The authors need to understand the disease in question is not hyperthyroidism but secondary hyperparathyroidism

“In 1966, a case was described involving 22 patients on dialysis” – not a case but a case series

“Cortical bones are less active metabolically, but it has been proven that PTH works more on them and also that in primary and secondary hyperthyroidism the loss of bone mass is more strongly expressed in the appendicular part of the skeleton” – Need a reference

“The determination of PTH in chronic kidney failure is the gold standard in the diagnosis of hyperthyroidism and an indirect indicator of the speed of bone change (22, 23).” – inaccurate and incorrect

“we have proven how hyperthyroidism and the duration of dialysis treatment are linked to the loss of bone mass” – This study is an observation and calling it a proven result is an overstatement/ incorrect

This needs major revisions as we are not talking about hyperthyroidism but secondary hyperparathyroidism.

“chronic kidney disease are older and have less muscular mass and less body weight.” – reference??

“It is certain that in these patients, in addition to determining bone mass in the axial portion, determining bone mass in the appendicular portion of the skeleton (distal portion of the forearm) is equally, if not more, important” – It can be proposed but based on such small sample size can not be ascertained

I have read this submission. I believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.