

Bone Health Research



A single dose pharmacokinetic and pharmacodynamic comparison of 2 calcium supplements in pre-menopausal women

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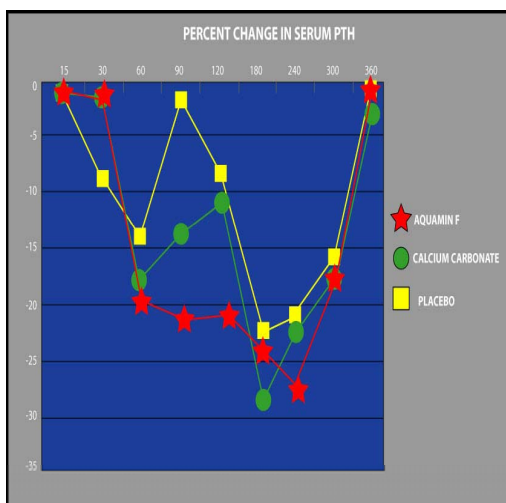
One of the roles of parathyroid hormone PTH is to make calcium available in the body. It does this by taking calcium from the bone. Therefore, a reduction in PTH levels following calcium supplementation may protect against calcium leaching from bone. This short study investigated the effect of Aquamin on parathyroid hormone (PTH) and found that Aquamin reduced PTH levels for significantly longer than either calcium carbonate or placebo.

Study Detail

- 12 pre-menopausal women.
- Cross-over, double-blind, placebo-controlled short term study
- Treatments: Placebo vs Calcium Carbonate vs Aquamin F
- Measurements: Serum parathyroid hormone (PTH)

Results

Aquamin treatment significantly reduces the level of serum PTH compared to placebo at 90, 120 and 240 minutes post administration of test article. At 90 minutes Aquamin significantly lowers PTH levels compared to calcium carbonate.



This figure illustrates that Aquamin reduces PTH levels for significantly longer than either calcium carbonate or placebo.