Reviewer’s report

Title: Variation in plasma calcium analysis in primary care in Sweden - a multilevel analysis.

Version: 1 Date: 17 February 2010

Reviewer: Claudio Marcocci

Reviewer’s report:

Major Compulsory Revisions
1 The strength of this study would be very much increased if the authors could provide data on the results of calcium measurements (how many were abnormal) and also on the rate of diagnosis of primary hyperparathyroidism. I believe that these data could be retrieved from the database

Minor essential revisions
1. Page 3, line 7 from bottom. The authors should mention the study by Wermers el al. (Am J Med 1998) showing no increase in mortality and cancer among their patients with PHPT. Differences in the severity of the disease are likely accounting for these discrepancies
2. the text contains a few grammar and spelling errors

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

Amgen (honoraria for conferences and Advisory Boards)