Reviewer's report

Title: Parathyroidectomy improves cardiovascular risk factors in normocalcemic and hypercalcemic primary hyperparathyroidism

Version: 0 Date: 15 Nov 2018

Reviewer: Giorgio Borretta

Reviewer's report:

This study compares cardiovascular risk factors in HPHPT and NPHPT: no differences are found between these groups, which have an increased cardiovascular risk compared to control. It is to be taken into account that subjects with diabetes and subject using antilipidemic and antihypertensive drugs were excluded from the control group. This choice is not justified by the Authors and can affect the results.

Authors should specify if the serum total calcium concentration was albumin correct.

Moreover, considering that most normocalcemic patients were referred from the osteoporosis outpatients clinic, Authors should specify whether they were treated with bisphosphonates. This treatment can affect PTH levels.

Finally, it would be interesting to know the evolution of cardiovascular risk factors after surgery.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Not suitable for publication unless extensively edited

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