Reviewer’s report

Title: Three cases with unusual presentation of primary hyperparathyroidism

Version: 4 Date: 12 February 2015

Reviewer: Søren Daugaard

Reviewer’s report:

Major compulsory revisions
None

Minor compulsory revisions
Background: The authors mention secondary and tertiary HPT, but do not define them – this should be added.
line 55: No, there are no ‘spicules of osteoid deposit’ in a brown tumor (this would imply an osteosarcoma). But there may be remodeling of the bone surrounding the lesion.
line 202: The giant cells (osteoclasts) of brown tumor are similar to the giant cells in the other giant cell lesions, except the true giant cell tumor, where they are larger (often containing >50 nuclei). True GCT does NOT contain any fibrous stroma (except after fracture or treatment), and the stromal cells are NOT atypical.

Discretionary revisions
The report would benefit from a linguistic revision. At least the authors should check that subject and verb correspond in regard to singular/plural.
line 54: ‘fibrillar’, the authors probably mean ‘fibrous’
line 58: replace the whole line with ‘ending as osteitis fibrosa cystica (OFC)’
line 60: ‘sometimes’ -> ‘they’
line 82: replace ‘polynesian’ with ‘multiple’
line 205: GCTs -> giant cell lesions
line 206: ‘infiltrative’, the authors probably mean ‘destructive’ in the radiological sense

Level of interest: An article whose findings are important to those with closely related research interests

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

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

No competing interests