Reviewer’s report

Title: Multifocal pigmented villonodular synovitis coexisting in both the knee joint and the patella: a case report and literature review

Version: 0 Date: 31 Mar 2017

Reviewer: Norio Yamamoto

Reviewer's report:

This manuscript titled "Multifocal pigmented villonodular synovitis coexisting in both the knee joint and the patella: a case report and literature review" is a case report for increasing the awareness of bone and extra-articular involvement of PVNS. It is worth to publish from BMC Musculoskeletal disorders. However, the authors should clarify each following points before acceptance.

It is not so rare that diffuse type of PVNS erodes bone. As the authors speculate (P10, line 203-), the lesion in the left patella is considered to come from the adjacent affected synovium of the knee joint somehow, even the authors couldn't clarify any direct connective tissue between the lesion in the patella and that of the knee (P6, line 112-). It is still difficult to say that PVNS arose both in the knee and within the patella (P3, line 55-).

The efficacy of irradiation therapy to PVNS is controversial. The authors need to discuss the necessity of irradiation therapy to PVNS.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

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

Unable to assess

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.
Not relevant to this manuscript

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

Needs some language corrections before being published

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