Reviewer’s report

Title: Bone pathologic fracture revealing an unusual association: Coexistence of Langerhans cell histiocytosis with Rosai-Dorfman disease Case report and a literature review

Version: 0 Date: 24 Jan 2017

Reviewer: Mark Heaney

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Langerhans cell histiocytosis. While Langerhans cell histiocytosis was recently appreciated to occur with some frequency with another rare histiocytosis, Erdheim Chester disease, the association between LCH and RDD is less well-established. Thus, this finding would be interesting and timely. The diagnostic evaluation of RDD in this case appears to be complete, but the diagnosis of LCH would be strengthened by the finding of CD207 expression on immunohistochemistry, Birbeck granules on electron microscopy and/or BRAF or MEK mutation on molecular genetic analysis. Parenthetically, the manuscript would benefit from close editorial review since there are numerous misspellings ("additionnal," "exceptionnal," "a part" for example. The case report would also benefit from consolidation of the figures.

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.

No

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

Unable to assess

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.

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