Reviewer’s report

Title: Focal bone lesions in HIV-positive patient treated with tenofovir

Version: 2 Date: 29 October 2013

Reviewer: Vicente Estrada

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The case reported showed some intriguing features that are not completely explained so far:

1. The inflammatory clinical presentation (fever, knee? arthritis and acute phase reactants) attributed to TDF, after several years on this treatment, has not been described previously.

2. Bone biopsies were done but the description of the findings is not shown; this information should be presented.

3. Improvement of patient’s symptoms after TDF cessation suggest as indicated by the authors, a potential role of this drug. Improvement of imaging and biomarkers findings should also be presented.

4. I wonder if a secondary hyperparathyroidism may explain, at least in part, clinical and imaging findings. Low 25 (OH) VD and long term TDF therapy are usually associated with this condition, and in some cases, PET/CT images may show multiple hypermetabolic bone lesions in skeletal system. Unfortunately, PTH levels are not presented that could confirm this hypothesis.

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:

I declare that I have no competing interests.