Reviewer’s report

Title: Corticosteroid dose increase is a risk factor for nonalcoholic fatty liver disease and contralateral osteonecrosis of the femoral head: A case report

Version: 1 Date: 01 Nov 2018

Reviewer: Lynne Jones

Reviewer's report:

Line 29 Bilateral corticosteroid-induced ONFH does not always develop concurrently. Asynchronous lesions often occur. Are you trying to say that there is a high incidence of bilateral disease? Does ref #1 discuss bilateral disease?
Line 35 Does this mean that she received continuous corticosteroids for 25 years?
Line 43 Suggest rephrasing "might be". This does not appear to be a strong conclusion. Perhaps a sentence stating to watch individual carefully that have hepatic enzyme abnormality to screen for ON.
Line 59 There are other manuscripts that have looked at this. Please see: Goker B, Block JA. Risk of contralateral avascular necrosis (AVN) after total hip arthroplasty (THA) for non-traumatic AVN. Rheumatol Int. 2006 Jan;26(3):215-9.
Line 114 Also reported in patients: Nafziger AN, Bertino JS Jr. Low hepatic cytochrome P450 3A activity is a risk for corticosteroid-induced osteonecrosis. Clin Pharmacol Ther. 2007 Oct;82(4):379; author reply 380. Please mention here are in line 117 that the association is with reduced levels of P450 3A activity.
Figure 2 Please make sure that both figures are displayed in the same way with the R side on the left side of the figure. Please confirm that comment made in line 71 is true for the right hip.

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.

Yes

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:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal

Do you want to get recognition for reviewing this manuscript? Add a record of this review to Publons to track and showcase your reviewing expertise across the world’s journals. Signing up is quick, easy and free!

No