Reviewer’s report

Title: Pituitary and adrenal involvement in diffuse large B-cell lymphoma, with recovery of their function after chemotherapy

Version: 2 Date: 8 September 2013

Reviewer: Urs D Lichtenauer

Reviewer’s report:

After the changes, the manuscript provides more detailed information, allowing the reader to follow the authors' management of the patient much better. It is an interesting case report worth publishing.

Major Compulsory Revisions: -none-

Minor Essential Revisions: - none-

Discretionary Revisions:

Excessive thirst, an unusual (but not excessive) amount of 24 hour urine might be a hint towards diabetes insipidus, but certainly is not sufficient for a proper diagnosis without the deprivation test. Clearly, chemotherapy was more important to the patient than excessive endocrine testing. Nevertheless, I would recommend more careful phrasing. E.g. Abstract: "Endocrine function tests revealed adrenal insufficiency and panhypopituitarism, including a possible affection of the posterior pituitary." First paragraph page 6: "As the patient had polydipsia and polyuria (intake and urine volume approximately 5 liters/24hous) with excessive thirst, and further ..., the diagnosis of diabetes insipidus could not be excluded. The overall condition of the patient did not allow a deprivation test." ...

As testosterone has not been, and still is not measurable, we certainly would have recommended this 63 year old patient testosterone replacement. If this is the proper management in Japan as well, the authors should add in the Case Presentation Section after the last sentence before the discussion section on page 9 for example: "The basal level of testosterone was not improved, so testosterone replacement therapy will be initiated with the next follow-up visits. Bottom of page 8."After those treatment ..." should rather be: "Under this replacement regimen, basal hormone .... and f-T4 improved to ...

Conclusion page 3: As the pituitary function has not completely normalized yet, and the patient still needs replacement therapies, the sentence ".. adrenal insufficiency resolved after treatment..." should rather be ".. adrenal insufficiency improved to almost normal values after treatment...

Level of interest: An article of importance in its field
Quality of written English: Acceptable

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.