Reviewer’s report

Title: DNA repair deficiency in peripheral blood lymphocytes of endometrial cancer patients with a family history of cancer

Version: 3 Date: 8 September 2014

Reviewer: Amaya Azqueta

Reviewer's report:

Thank you very much for performing the dose response. Looking at the graph the assay saturates at about 90-95% DNA in tail and you obtain about 87.61% DNA in tail in lymphocytes from controls treated with 20 µM bleomycin and 98.66% DNA in tail in the case of the EC; so you are in the saturated part of the curve. This means that you probably have more damage to repair that the amount you are measuring and that the level of damage can be different between groups. According with your dose response curve you should have used 10 µM bleomycin.

Nevertheless, I am happy to accept the manuscript if the issues discussed in my reports are added to the discussion section. I think the paper has strong points but it is also important to show how to do things in a correct way.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests