Reviewer’s report

Title: Analysis of Apoptosis Related Genes in Nurses Exposed to Anti-Neoplastic Drugs

Version: 1 Date: 05 Sep 2019

Reviewer: Maja Antunović

Reviewer's report:

The article covers very interesting topic while the authors used very wide methodology assessment to evaluate apoptotic effects of anti-neoplastic drugs. My major concern is that the manuscript is extremely poorly written and needs to be largely reworked (grammatical errors, awkward sentence construction and poor sentences in result analysis).

My suggestions are as follows:

1. The manuscript should be revised by an English-speaking person before submitting it for a detailed revision.

2. The methodology and consequently result analysis, should be ordered as follows:

   Sample collection
   Isolation of lymphocytes
   MTT assay
   Annexin V/Propidium Iodide staining
   Caspase-3 activity assay
   ROS detection
   Lipid Peroxidation assessment
   Lysosomal damage assay
   MMP assay
   RT-qPCR analysis
   Statistical analysis
3. Please do not repeat same headings for methodology and results. Capitation for results should offer short description of your results, often combining more methods.

4. Gene abbreviations should be written in italic

**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.

Yes

**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.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Not suitable for publication unless extensively edited

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