Author’s response to reviews

Title: The Antiangiogenic activities of ethanolic crude extracts of four Salvia species

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Dear Editor:

Below are the answers of the reviewer’s comments,

Reviewer: Thomas Mohr

1) Wound healing assay:

The authors reply is insofar acceptable as that 18 hours is indeed short for a major proliferatory effect. However, in my experience, a migration inhibition in wound healing assays display that the scratch stays as it is. In Figure 2, S Triloba 100 and 150µg/mL the cells clearly "thin out" at the borders so that some other effect can not be excluded.

Migration inhibition in wound healing assays could be 100%, but it depends on the agent, time and other experiment conditions. However, we repeated the experiment many times for various times and different concentrations for pure compounds as well as for crude extracts, the predominant pattern that inhibition of migration is not 100% [1-5].

The same pattern has been observed in other studies [6-8] and many other.

2) IC50 for HUVEC, I stand corrected.

3) Figure 4 is still mislabeled (mg instead of µg/mL)

The label corrected to µg/mL.

4) The authors should state the low passage use of HUVEC.

A sentence state the passage no of used HUVECs were included in material and methods section.

“HUVECs from passages 2 through 4 were used through this study “
New objections:
Minor essential revision

5) The title should focus on the antiangiogenic activity of the extracts the more since the cytotoxic effects lead to the exclusion of two extracts.

The title has been changed accordingly to “The antiangiogenic activities of ethanolic crude extracts of four salvia species”

Discretionary revisions:
The manuscript would benefit greatly if the first two sentences of the introduction would be rewritten to reflect the importance of angiogenesis to cancer in general, not just to breast cancer.

These two sentences have been inserted at the beginning of the introduction.

“Angiogenesis is the formation of new blood vessels. Cancer is angiogenesis dependent; any significant increment in tumour size must be in synchrony with increment in the blood supply. The new blood vessels supply the tumour cells with extra amount of oxygen and nutrients, and most importantly they facilitate cancer cell metastasis to other localities [9]. All solid tumours are dependent on the angiogenesis for tumour growth and metastasise [10]. “

REFERENCES


