Reviewer's report

Title: In-vitro evaluation of selected Egyptian traditional herbal medicines for treatment of Alzheimer diseases

Version: 1 Date: 23 January 2013

Reviewer: Sahar SE Elmekkawy

Reviewer's report:

Minor Essential Revisions
1-Title: the word herbal must deleted and Egyptian traditional medicine will be accurate description. The word herbal is restricted to the herbal parts only, however different parts of the selected plants were used.
Similarly, the word herb must also deleted from keywords and the title of table 1&2

2- In Methods: Cyclooxygenase-1 assay, the author must give more details about the method used to determine the inhibition % obtained by the plant extract.

3- In table 1, the 1st row, % Inhibition must divided to be % inhibition for AchE and COX-1 inhibitory activities, while % AA must added for DPPH activity column. Similarly, IC50 for the AchE and COX-1 inhibitory activities, while EC50 for the DPPH.

4- References: plant names in the references must be italic (reference number 34, 36,37, 38, 39, 40, 41, 42 and 43)

Discretionary Revisions:
1- I recommend the first sentence written in the results replaced by: Of the tested plant extracts ; Adhatoda vasica and Peganum harmala showed inhibitory effect on AChE. at IC50 294 #g/ml and 68 #g/ml respectively.

2- The discussion part is long and I recommend to shorten the discussion part.

3- In Methods, the multi-well plate AchE Inhibitory assay, I recommend that the equation numbered to be equation 1 while for the Antioxidant activity part, the equation will be equation 2.

Level of interest: An article whose findings are important to those with closely related research interests

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