Author's response to reviews

Title: Anti-Neuroinflammatory Effects Of The Extract Of Achillea fragrantissima

Authors: 

Anat Elmann (aelmann@volcani.agri.gov.il)  
SHARON MORDECHAY (sharonnativ@hotmail.com)  
Miriam Rindner (mrindner@volcani.agri.gov.il)  
Rivka Ofir (rivir@bgu.ac.il)

Version: 2 Date: 25 May 2011

Author's response to reviews: see over
Subject: Submission of a new paper

Dear Editor,

We would like to submit the attached manuscript entitled: "Anti-neuroinflammatory effects of the extracts of Achillea fragrantissima" for publication in your journal. Our paper explores, for the first time, the anti-neuroinflammatory effects of the ethanolic extract of this plant, as measured in cultured primary microglial cells. We have found that the extract of Af inhibited the LPS - elicited expression of the proinflammatory mediators IL-1β, TNFα, COX-2 and iNOS and down-regulated NO secretion from the activated microglial cells, without affecting cell viability. Thus, phytochemicals present in the extract of Achillea fragrantissima could be beneficial in preventing/treating neurodegenerative diseases, in which neuroinflammation is part of the pathophysiology.

Therefore we believe it is within the scope of Complementary and Alternative Medicine.

Sincerely

Anat Elmann, PhD