Reviewer's report

Title: Pretreatment with Intrathecal Amitriptyline Potentiates the Analgesic Effects of the Compound on Axotomy-Induced Neuropathic Pain upon Post-Injury Intra-Abdominal Treatment

Version: 1 Date: 14 August 2011

Reviewer: Wei-Zen Sun

Reviewer's report:

The authors tested the hypothesis whether concomitant intrathecal pretreatment with post-injury intra-abdominal amitriptyline could attenuate nerve damage-induced hyperalgesia and allodynia. Responses to thermal and mechanical stimuli, sodium channels expression in injured dorsal root ganglion and activated glial cells in spinal dorsal horn were measured pre-operatively and postoperatively. They found that activated microglia and astrocytes, Nav1.3 and 1.8 were attenuated more by intrathecal pretreatment with post-injury intra-abdominal amitriptyline than post-injury treatment alone.

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.