Reviewer’s report

Title: Dexmedetomidine is neuroprotective in an in vitro model of traumatic brain injury

Version: 3 Date: 27 November 2011

Reviewer: Sandrine de Ribaupierre

Reviewer's report:

Interesting article on the protective effect of a drug in focal injury. While it is well known that the hippocampus is one of the area at risk in TBI; one can argue that this model (with magnetic injury) is really focal, and therefore the conclusion are too broad. Therefore the introduction would need to be focused more on hippocampal injuries and the discussion more focused as well.

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

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.