Open peer review report 1

Reviewer: Stephanie K Seidlits, University of California Los Angeles, USA.

Comments to the authors:

The manuscript is a thorough and focused review of the potential of melatonin as a therapy to attenuate damage from secondary injury after spinal cord injury (SCI). Although this is a bit of a "niche" topic, there is enough variability in the literature and findings across different biological systems to make this interesting for researchers in neural recreation. I recommend acceptance after minor corrects by the authors.

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Figure 1 - I suggest changing the text "Repairing of the damaged BSCB" to "Repair of the damaged BSCB" to keep consistent tense use within the figure.

While Table 1 does a thorough job of summarizing methods of several studies, results are not indicated. This would be useful info to add a column summarizing the key findings from each study.

Pg 6, line 10 - "injection" should be the plural "injections"

The article only contains a single figure. Most reviews and other articples have at least 2 figures.