

**Open peer review report 1**

**Reviewer:** Da-Zhi Liu, University of California at Davis, USA.

**Comments to the authors:**

The authors described combination of mild hypothermia and adipose-derived stem cells in treatment of stroke. The data generally supported conclusions. However, the authors needed to cite one previous publication (Neural Regen Res. 2014 Oct 1; 9(19): 1745-1752). Note that it was inappropriate to use SH-SY5Y cell line instead of primary neuron cultures for cell viability and cytotoxicity assessments, as SH-SY5Y cells (tumor cells) have different phenotype from primary neurons.