

This is an interesting review concerning a targeted method of neuroprotective therapy against encephalopathy and elevated intracranial ischemia. The text is clear and cogent and TTM method is described in detail This article may be a valuable search of knowledge for neurologists and for all clinicians who in their practice meet neurological problems. Therefore I recommend this paper for publication in World Journal of Methodology.

Thank you very much for your comments.

The present review article sums up a growing field of therapeutic hypothermia and merits to be published. Nevertheless, two important points should be added: 1. a more detailed summary of eligibility and possible risks of the treatment 2. monitoring methods and interpretation of data obtained Some sentences should be rewritten: ...rapidly uncontrolled rate (p. 4)

The Bedside Shivering Assessment Scale for shivering monitoring is added in table 1. Inclusion and exclusion criteria of TTM for patients with PCAS are added in table 3. The sentence on page 4 was corrected.

ESPS Manuscript NO: 33284 Title: Targeted Temperature Management in Neurological ICU General comments This review gives detailed literature analysis and personal experience in targeted temperature management. Specific comments Title: I suggest avoiding the abbreviation for intensive care unit (ICU) in title. The author's names and affiliations are missing on the title page. Abstract: It gives a clear delineation of the research topics but I suggest improving the scientific strength of the described topic. Figure: Indicate the source of Figures: original work or copyright. Reference: references are not appropriately written according to the WJM guidelines; some typing mistakes are present. In conclusion, this is a very interesting review which provides the achievable applications of target temperature management in neurological conditions occurring in intensive care unit.

The title was changed to "**Targeted Temperature Management in Neurological Intensive Care Unit**". I have got the permission for the figure 1 from the original source. The format of the references has been changed.

This is an interesting review article describing the management of temperature management in neurologic ICU patients. however, I have several comments. 1. The benefits of fever control in patients with sepsis is still controversial as some studies

suggested different results. The authors may cite the two references (PLoS One. 2015 Mar 30;10(3):e0121919. doi: 10.1371/journal.pone.0121919. PLoS One. 2015 Feb 24;10(2):e0117279. doi: 10.1371/journal.pone.0117279.) and discuss it. What is interesting is that how should temperature be managed in patients with neurologic problem and infection. i CLINICAL practice, such group of patients are usually present. 2. For a review article to be unbiased, a table listing all RCTs investigating the temperature management in neurologic patients may help readers to understanding the level of evidence in this topic. I think there can be meta-analysis in this topic. 3. Is the figures original, the copyright issue should be cleared. have the authors got the permission? 4. recently, the NEJM published an important article (N Engl J Med. 2017 Jan 26;376(4):318-329. doi: 10.1056/NEJMoA1610493.), the study reported neutral benefits of temperature control. Can you also include this landmark study in your discussion?

Those two references have been cited and discussed (page 12 reference 132 and 133). Table 2: Summary of the landmark randomized control trials for TTM in PCAS was added. I have got the permission for the figure 1 from the original source. The N Engl J Med. 2017 Jan 26;376(4):318-329. doi: 10.1056/NEJMoA1610493 has already been cited and discussed (page 16 ref 96).