Reviewer’s report

Title: Comparing the Analgesic Effect of Heat Patch Containing Iron Chip and Ibuprofen for Primary Dysmenorrhea: A randomized controlled trial

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Reviewer: Yutaka Osuga

Reviewer’s report:

The authors tried to compare the analgesic effect of heat patch and ibuprofen for primary dysmenorrhea. Despite the interesting aim, many flaws in the methods and data analysis hampered their intent to get any conclusive results.

1. What kind of procedure was used for randomization?
2. It seems that the authors did not use placebos for ibuprofen and for heat patch. Consequently, this is NOT a blind study and its quality is not so high.
3. Table 2 is confusing. Although the authors measured pain at 2, 4, 8, 12, 24 hours of menstruation, those figures were not presented.
4. Discussion is too long. It should be concise enough to discuss matters directly related to the result.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I declare that I have no competing interests.