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### Original Research Article

## Comparison of the efficacy and rate of ondansetron with meperidine in the treatment of shivering after general anesthesia after heart surgery

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#### ABSTRACT

**Introduction:** Shivering after anesthesia in cardiovascular surgery can be very dangerous and increase the need for oxygen and ultimately lead to damage to heart tissue; Therefore, treatment measures must be taken very quickly. The aim of this study was to compare the efficacy and rate of ondansetron with meperidine in the treatment of shivering after general anesthesia after heart surgery. **Material and Methods:** Shivering after anesthesia in cardiovascular surgery can be very dangerous and increase the need for oxygen and ultimately lead to damage to heart tissue; Therefore, treatment measures must be taken very quickly. The aim of this study was to compare the efficacy and rate of ondansetron with meperidine in the treatment of shivering after general anesthesia after heart surgery. **Results:** There was no significant difference between the two groups in the mean shivering in the two groups before the initial treatment [warm-up] and after warm-up and at different minutes after drug injection up to 9 minutes, and in the last minute Pvalue was equal to 0.05 **Conclusion:** Although ondansetron is effective in treating shivering after general anesthesia, it is less potent and faster than meperidine.

**Keywords:** Ondansetron, Shivering, Meperidine, Heart Surgery