

The comparative study of dexamethasone and ondansetron with dexamethasone and metoclopramide on PONV and shivering in patients undergoing laparoscopic cholecystectomy

## **Abstract**

**Background and Objective:** Postoperative nausea and vomiting is a distressing condition, with a prevalence of nausea and vomiting after surgery of 10-30%. Since dexamethasone and Plazil are inexpensive drugs and causes little complications for patients, endonestrone is a good and high-quality drug for relieving nausea and vomiting in patients. This study compared the effects of dexamethasone and ondansetron with dexamethasone and plasil on nausea and vomiting and shivering in patients with laparoscopic cholecystectomy.

**Methods:** The present study is a randomized, double-blind clinical trial. After obtaining consent from patients for inclusion in the study, 88 patients were divided into two groups using convenience sampling method and random block method. The first group received the combination of dexamethasone and ondansetron, and the second group received the combination of dexamethasone and metoclopramide. The person who injected was not aware of the type of injectable medicine. Also, the anesthetic method and the drugs used for anesthesia were the same for both groups. After the operation, the uninformed questioner received a question about the nausea and vomiting and shivering for up to 24 hours (at intervals of 1, 6, 12 and 24 hours), and asked all the answers in the checklist for each The person was inserted. Finally, all findings were entered into the SPSS v20 statistical analysis program and analyzed data.

**Results:**In this study of 88 patients were divided into two groups. The first group received the combination of dexamethasone and ondansetron and the second group received dexamethasone and metoclopramide. The mean age in the D+O group was 41.07 years and in the group D+M was 42.16 years. The results of this study showed that ondansetron with dexamethasone compared with metoclopramide and dexamethasone did not significantly decrease nausea and vomiting after laparoscopic cholecystectomy. Also, none of the patients in the two groups did not show shivering.

**Conclusion:** The results of this study showed that the combination of endosomer and dexamethasone did not significantly reduce the incidence of nausea and vomiting after surgery compared to dexamethasone and metoclopramide. No patient was seen in two groups of shivering.

**Keywords:** Dexamethasone, Ondansetron, Plasil, Nausea, Vomiting, Chills, Laparoscopic cholecystectomy.