

The comparison effect of indometacin suppository and voltaren ampoule on severity of pain after cesarean section under spinal anesthesia

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Abstract

Background&Objective: Using analgesic drugs such as non-steroidal anti-inflammatory drugs can control the pain after cesarean section. This is an experimental study to compare the efficacy of indometacin Suppository and Voltaren ampoule on severity of pain, side effect ratio, and need for narcotic analgesic inpatient who had cesarean section delivery under spinal anesthesia.

Materials&Methods: In this study, there were 100 pregnant patients that had selected cesarean section and had research conditions. These patients were selected by randomized method and divided into study group (indometacin) and control group (voltaren) that accomplished for 4 months. On the basis of patient's necessity and take of vital analog scale we profiled indometacin suppository in study group and voltaren Amp in control group. Pethedin ampoules were indicated if further necessity were objected. This research was prolonged with 24 hours after operation.

Results: In the end after assembling and analyses of information we observed that indometacin and voltaren both have positive effects on severity of pain after cesarean section ($P < 0.5$), but in comparison with them the voltaren has better effectiveness than indometacin after 4 hours from first dose ($p < 0.05$). There was no difference in two groups in necessity for more sedative. But the side effects were lower in study group than control group ($P < 0.05$).

Conclusion: It is suggested that indometacin suppository is preferable than voltaren in cesarean patients except in 4 hours after surgery.

Key Words: Indometacin-Voltaren-cesarean section - pain