

عنوان مقاله:

Effect of Systemic Granisetron in the Clinical Course of Spinal Anesthesia with Hyperbaric Bupivacaine for Outpatient Cystoscopy

محل انتشار:

مجله علمی جراحی، دوره 2، شماره 1 (سال: 1394)

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خلاصه مقاله:

Background: The goals of this study are evaluation the effect of intravenous (IV) granisetron on the duration of sensory and motor block produced by intrathecal hyperbaric bupivacaine and also post-operative nausea and vomiting in patients undergoing outpatient cystoscopy. **Methods:** 62 patients, undergoing cystoscopy received either 3 mg IV granisetron or placebo 15 minutes before the spinal block. Sensory and motor block were assessed after the intrathecal injection of bupivacaine every 2 minutes until the maximum block was achieved and thereafter every 15 minutes until recovery from the sensory and motor block. **Results:** Demographic data were not statistically different in the study groups. Duration of sensory and motor block were also not statistically different between the study groups ($P = 0.060$ and $P = 0.070$ respectively). No patient in either group had vomiting. Seven patients in saline and zero patient in granisetron group had nausea that was statistically significant ($P = 0.040$). Time to discharge after surgery was 243 ± 21 and 239 ± 24 minutes in granisetron and control group respectively ($P = 0.150$). **Conclusions:** Systemic granisetron had no effect on the duration of sensory and motor block produced by spinal anesthesia with hyperbaric bupivacaine. © 2015 Tehran University of Medical Sciences. All rights reserved. **Citation:** Soltani-Mohammadi S, Esmaeili S, Saliminia A. Effect of Systemic Granisetron in the Clinical Course of Spinal Anesthesia with Hyperbaric Bupivacaine for Outpatient Cystoscopy. *Acad J Surg*, 2015;2(1-2): 18-22

کلمات کلیدی:

Bupivacaine, Granisetron, Sensory block, Motor block, Anesthesia, Spinal, Outpatients, Cystoscopy

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