

# Effects of COX 1-2 Inhibitors on Prevention of Rocuronium Injection Pain: Controlled, Randomised, Double Blind Study

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## Abstract

Purpose : Rocuronium bromide is a painful agent while general anesthesia induction. The aim of the study is to investigate the effects of cox inhibitors as a resque agent against the rocuronium pain Methodology : Sixty patients enrolled for the general anesthesia enrolled in this study. Patients were allocated into two groups (Group 1: Dexkethoprofen group, Group 2: Control group) .Pain was evaluated by during rocuronium injection, patients were scored by a scale showed below. 0;No movement response to injection 1;Mild movement response to injection 2;Hand withdrawal response to injection 3;Arm withdrawal response to injection We also evaluated the pain with 2 questions when the patient was in the recovery room.Question 1.What was the last feeling before you fall into sleep? and question 2. Did you feel any pain on your hand during medication injection for anesthesia? Results:There were differences between the groups in terms of total pain score for example in group 1 there were 16 (53%) patients who did not make any movement during rocuronium injection while there were 22 (73%) patients in group 2.There was significant difference in injection rocuronium bromide pain between group 1: dexkethoprofen group, Group 2: control group in terms of the answer to the second question.Patients felt less pain than the control group. Conclusion:The effect of cox inhibitors on rocuronium pain was seen in our study but check is also effective in reducing pain in vascular width.

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