**“Epidural Tramadol for post operative analgesia”**

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**Abstract:**

**Background:** Tramadol is mixed with Lignocaine 1.5% given epidurally for postoperative analgesia. We compared Tramadol with plain Lignocaine for postoperative analgesia.

**Method:** Sixty ASA I and II patients scheduled for elective surgery below the umbilicus were divided into two equal groups in a randomized, double blinded fashion. Control Group received Lignocaine 1.5% 25 cc and Study Group received Lignocaine 1.5% 25 cc and Tramadol 50 mg epidurally. Onset time of analgesia and motor block, duration of analgesia were studied in both the groups.

**Result:** Onset of time for analgesia and motor block was 5.5 ± 2.09 minutes and 9.13 ± 2.52 minutes in control group and it was 6.43 ± 1.90 minutes and 12.33 ± 3.20 minutes in study group respectively. The difference in the time taken for onset of analgesia was statistically insignificant (P>0.05). The difference in the time taken for motor blockade was statistically significant (P<0.05). The mean duration of analgesia in control group was 2.2 ± 0.5 hours and in study group was 6.55 ± 1.23 hours.

**Conclusion:** The duration of analgesia in the study group was found to be highly significant (P<0.05).

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