



# Comparision of lignocaine 5 per cent (hyperbaric) alone and lignocaine 5 per cent (hyperbaric) with neostigmine for spinal anesthesia

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**ABSTRACT :** The present study comparison of lignocaine 5 per cent (hyperbaric) alone and lignocaine 5 per cent (hyperbaric) with neostigmine for spinal anaesthesia was conducted in 100 female patients (ASA-I and II) in age group of 20-50 years of average built (46-64 kgs) undergoing various elective gynaecological surgeries. They were randomly divided into two groups. Group-I consisting of 50 patients were given only lignocaine 5 per cent (hyperbaric) 2 cc with 1 cc Dextrose 5 per cent and group-II were given lignocaine 5 per cent (hyperbaric) 2 cc with 100 µg of neostigmine in 1 cc of 5 per cent Dextrose, after subarchnoid block onset of block, duration of block, side effects, heart rate and mean arterial pressure were observed at different time points. Onset was early in group-II (Lignocaine with Neostigmine) 78.80 sec. than group-I (Lignocaine alone) 97.60 seconds. Duration of analgesia and motor block was prolong in group-II<sup>1</sup> (Lignocaine with Neostigmine) (180 min. each) than group-I (Lignocaine alone) (90 min. each). High incidence of nausea and vomiting observed in group-II<sup>1</sup> (Lignocaine with Neostigmine) (64% and 48%, respectively) than group-I (Lignocaine alone) (20% and 8%, respectively). Both groups are haemodynamically stable.

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