

## Comparison of the effect of Intra-cuff Ketamine Versus Alkalinized Lidocaine for prevention of Post-Operative Sore Throat

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### Abstract

Post-operative sore throat (POST) happens in 21-65 percent of patients who undergo endotracheal intubation under General Anesthesia. Though considered as a minor complication, it may cause significant post-operative morbidity and patient dissatisfaction. The aim of our investigation was to compare of the effect of Intra-cuff Ketamine Versus Alkalinized Lidocaine for prevention of Post-Operative Sore Throat at a tertiary care Hospital at Karachi. This single center, cross sectional study was conducted for a duration of one month. Total 60 participants were included in the study as per the pre-set inclusion criteria and were divided randomly among 2 groups, Group K (Intra-cuff Ketamine) and group LA (Alkalinized Lidocaine). Primary Outcomes including severity of post-operative sore throat pain, cough, hoarseness of voice, laryngeal spasm & changes in heart rate and blood pressure was assessed and compared among patients undergoing General anesthesia with endotracheal intubation. The data collected from the patients after different intervals was entered in a prescribed proforma. According to our analysis, severity of sore throat pain, cough, hoarseness, laryngeal spasm, and changes in heart rate & blood pressure were noted less commonly in ketamine group as compare to group LA.

### Biography:

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