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### Original Research Article

## Evaluation of Experiences of using Atracurium and lidocaine on Succinylcholine-Induced Fasciculation in Anesthesia Surgeries: a Study from Clinical Experience

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### ABSTRACT

**Introduction:** due to the wide indications for the use of rapid sequencing induction with succinylcholine and the high prevalence of fasciculation and myalgia, as well as increasing the dose of succinylcholine by up to 50% when using atracurium and long-term relaxation of atracurium, this plan Studies were performed Evaluation of experiences of using Atracurium and lidocaine on succinylcholine-induced fasciculation in anesthesia surgeries: a study from clinical experience. **Material And Methods:** This study is a clinical experience that was performed in gold in 2019 in Imam Reza Hospital [Tabriz University of Medical Sciences] with the participation of patients undergoing general anesthesia [requiring rapid sequencing anesthesia and succinylcholine injection]. One group received 0.05 mg/kg tracorium with a volume of 5 cc three minutes before induction of anesthesia and the other group received 1.5 mg/kg lidocaine with a volume of 5 cc 30 seconds before induction of anesthesia. The fasciculation status caused by succinylcholine injection was compared between the two groups. **Results:** The number and severity of fasciculation between the two groups of atracurium and lidocaine to prevent fasciculation were not statistically significant [ $p > 0.05$ ]. **Conclusion:** Atracurium and lidocaine administration to prevent saccharin-induced fasciculation had similar effects in patients undergoing general anesthesia.

**Keywords:** Atracurium, lidocaine, fasciculation, succinylcholine