

**ARC1: Comparison of The Incidence of Post-Operative Bleeding in Tonsillectomy versus Tonsillectomy with Fossa Closure in a Tertiary Military Hospital: A Retrospective Cohort Study**

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**OBJECTIVES:** To determine the incidence of post-operative bleeding among patients who underwent tonsillectomy alone and tonsillectomy with fossa closure from January 2015 to December 2017.

**METHODS:**

- a) Study Design: Retrospective Cohort Study
- b) Setting: Tertiary Military Hospital
- c) Subjects, Participants, Patients, or Population: All cases of tonsillectomy within the time frame of January 2015 to December 2017 done by the Department of ORL-HNS were included. Records were retrieved from the Medical Records Section. Incidence of post-operative bleeding was identified in cases of tonsillectomy alone and tonsillectomy with fossa closure. Fifty-seven (57) cases of Tonsillectomy alone versus that of twenty-six (26) cases of Tonsillectomy with fossa closure were compared, tabulated, and statistically analyzed via Risk Ratio and Fisher Exact Test.

**RESULTS:** The incidence of bleeding in all cases of tonsillectomy in this institution, whether tonsillectomy alone or with fossa closure, is 4.8%. The incidence of bleeding is higher in cases of tonsillectomy with fossa closure, which is 11.5% (versus 1.8% in tonsillectomy alone). The probability of bleeding increases six-fold (Risk ratio = 6.58) when doing tonsillectomy with fossa closure.

**CONCLUSION:** Tonsillectomy with fossa closure has a higher incidence of post-operative bleeding compared to tonsillectomy alone.

**KEYWORDS:** tonsil, tonsillectomy, bleeding