

Pharyngeal packing effects in elective nasal surgeries: A randomized controlled double-blinded trial

Analysis Plan:

Using an alpha of 0.05, a power of 0.80, and a medium effect size ($f = 0.314$, partial eta squared, as presumed in the Statistical Package for the Social Sciences (SPSS) program = 0.09), power analysis for a repeated measures analysis of variance (ANOVA) with three groups and four measurements was performed in G-POWER to determine a sufficient sample size. Based on the aforementioned assumptions, the desired sample size was 28 patients in each group, with a total of 78 patients. However, we adjusted this sample upward with a margin of 10%, resulting in a total of approximately 33 patients in each of the three groups. Thus, the target total sample size was 99 patients.

Data will be analyzed using SPSS version 21. Descriptive statistics (frequencies, percentages, means, and standard deviations) will be used to describe categorical and quantitative variables. Testing will be two-tailed. Associations will be determined via bivariate analysis using the chi-square test and one-way ANOVA followed by post-hoc Tukey analysis where appropriate. Statistical significance is set at $p < 0.05$ and partial eta squared (η^2) will be used to assess the effect size.