

Statistical analysis plan

Data were analysed using R Studio software version 12.1. The normality of data was assessed with Shapiro-Wilk test or Kolmogorov-Smirnov test. Quantitative data were described as mean and standard deviation, while categorical data were described as counts and percentages. Normally distributed quantitative data were analysed using independent sample t-test for parametric data between the two groups and Mann-Whitney U test for non-parametric data between the two groups. Chi-square test or Fisher exact test were used to analyse the categorical data. Adjusted mean LOS in hours and 95% confidence intervals (CIs) were analysed by surgical type using a generalized linear model with a Gamma distribution and a log link.