Data acquisition was done by Epi-data3.1 software and statistical analysis was performed using Statistical Package for Social Science (SPSS) version 21.0 for Windows (IBM Corp. Released 2011. IBM SPSS Statistics for Windows, version 21.0. Armonk, NY: IBM Corp.) and Stata 12.0 software. Continuous variables are expressed as median (interquartile range=IQR) or mean ± standard deviation where appropriate, and categorical variables as count (percentage). The Spearman rank coefficient was used to test correlations. The chi-square test, Mann-Whitney rank sum test were used to test associations between qualitative variables and difference between two respectively. A *p* value ≤0.05 was considered statistically significant

The biostatistical methods used in this study were designed and review by Olivier T. Donfack