For those categorical data (Gender/Complex/Complication/ Complex complication/ Reimplantation /Complex re-infection/developed bone loss during spacer/preexisting bone loss), we use Chi-square/Fisher Exact test.

For those continuous data (Age/BMI/ Time of spacer/Outcome measure- HSS/Outcome measure- KSS/Pre ROM/Interim ROM/Post ROM/ Complication rates/ Any reimplantation/ Reinfection(%)) we are willing to make normal-theory assumptions and use the Analysis of Variance (ANOVA) for analysis. That is, suppose we have in the literature two identical studies, following the same protocol, using the same treatments, using the same response variable, and supposes once again that we can obtain the data. We could then fit a mixed model (if we wanted to treat study as a random effect), using PROC MIXED. Means, ranges, and standard deviations

were calculated for those variables.