

## BIOSTATISTICS STATEMENT

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**CLINICAL EFFECTIVENESS OF ADDING PROBIOTIC TO A LOW FODMAP DIET: RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED STUDY**

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### **Biostatistics statement:**

The SPSS 22.0 version (SPSS Inc, Chicago, IL, USA) package program was used to perform all statistical analyses. Demographic data, symptoms and IBS subtypes were analyzed descriptively. The Shapiro Wilk Test was used to test the compatibility of the numerical variables to normal distribution. Numerical variables were described with mean and standard deviation while categorical variables were described with frequency and percentage values. The Mann Whitney U Test was used to compare differences between two independent means. The relationship between two independent categorical variables was measured using the Chi-square Test. The Wilcoxon Signed-rank Test was used to compare the relationship between two dependent means. The conformity between two dependent categorical variables was evaluated using the Kappa Test. The Mann Whitney U Test was used to determine the difference between two independent medians. The relationship between two independent numerical variables was analyzed using Spearman's Correlation. The confidence level of the study was 95%, and the p-value below 0.05 was considered to be significant.

The statistical analysis of all the data in this study has been made by Biostatistics and Informatics academic member Tolga Cevizci.

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