

# **STATISTICAL ANALYSIS PLAN – COVER PAGE**

**Official Title:** The Ability of Brain Waves Activity to Detect Patient Susceptibility to Post-Operative Pain

**ClinicalTrials.gov Identifier (NCT):** Not yet assigned

**Ethics Approval Serial No.:** FDASU-Rec IM122127

**Document Date:** 22-Dec-2021

## **1. Sample Size**

Total sample size: 100 participants.

## **2. Data Analysis**

Descriptive statistics will summarize demographic data.

Correlation between alpha frequency and VAS scores will be assessed using Pearson or Spearman correlation.

Group comparisons will be performed using appropriate parametric or non-parametric tests.

Significance level set at  $p < 0.05$ .