

Statistical Analysis

Clinical Trial: FIS-2024-01

Version 2.1

NCT number: NCT06477822

Date: May 25th, 2026

Official Title of the study: Effect of a sequence of manual therapy techniques on the autonomic nervous system in healthy adults.

Primary Analysis:

ANCOVA models with post-intervention values as dependent variables, treatment group as factor, baseline as covariate. RMSSD and HF will be log-transformed. Holm correction will be applied.

Secondary Analysis:

Exploratory:
ANCOVA models.

Sensitivity Analysis:

- Change-score models
- Robust SE
- Bootstrap CI
- Multivariable adjustment (age, weight)

Model Assumptions:

Residual normality, homoscedasticity, and linearity will be evaluated.

Missing Data:

No missing data expected. Complete-case analysis.

Significance:

Two-sided $\alpha = 0.05$

Software: SPSS v29.