

Statistical Analysis Plan

Unique Protocol ID: STUDY20190922

NCT05469438


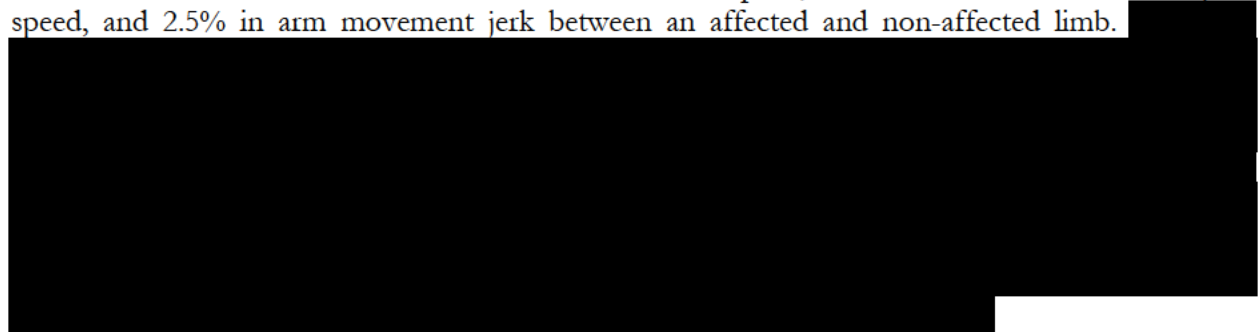
Brief Title: IMAS Optimization and Applicability in Acute and Subacute Stroke.

Official Title: IMAS Optimization and Applicability in Acute and Subacute Stroke.

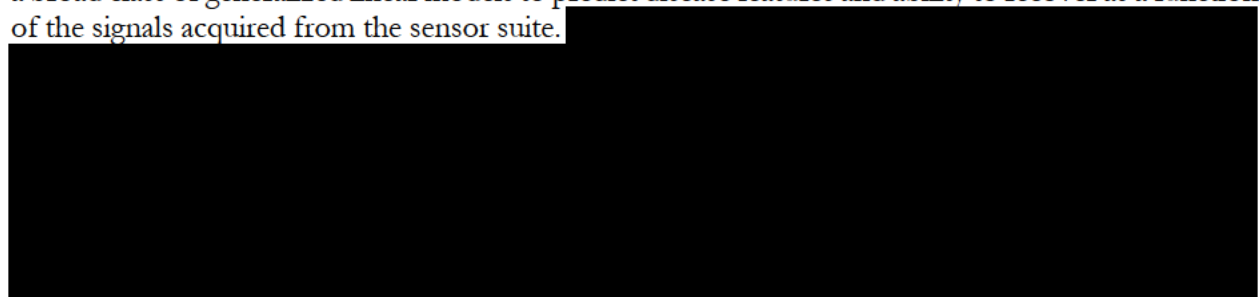
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Data Analysis Plan

We determined the sample size (recruitment up to 60 subjects for n=30 subjects completing the protocol) based on: 1. A sample size of N=15 patients provides at least 80% power ($\alpha=0.05$) to detect a mean difference of 3% in arm movement mean speed, 2.7% in arm movement mean peak speed, and 2.5% in arm movement jerk between an affected and non-affected limb.



hen, we will assess a broad class of generalized linear models to predict disease features and ability to recover as a function of the signals acquired from the sensor suite.



We will then assess if our computational algorithms can predict a patient's FM score and a patient's motor recovery state after rehabilitation.