Statistical Analysis Plan

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Brief 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. [redacted]

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