

Progress Report

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Date: 17 October 2020

Title of Project: Tremor: a clinical and neurophysiological study

Summary:

Current tremor classification guidelines do not provide a robust and reproducible system for classifying many patients with postural upper limb tremors, in particular essential tremor, essential tremor plus, and dystonic tremor. Our study has focussed on addressing this issue through recruiting participants with tremor and performing a battery of clinical and neurophysiological assessments. Our goal is to identify clusters of tremor patients with similar characteristics using a data-driven approach and see how these clusters compare with the existing system of tremor classification.

The Brain Foundation's Research Gift has been essential for this research study as it allowed the purchase of the tremor neurophysiology equipment for collection of detailed tremor studies. To date we have studied 65 research participants and collected detailed data including clinical data, videotaped examinations, and neurophysiological data. The analysis of these data are ongoing and we hope to report soon on our findings.

We would like to express our thanks to the Brain Foundation for their support.