

## - - - STUDY PARAMETERS - - -

Date: \_\_\_/\_\_\_/202\_\_ Time: \_\_\_:\_\_\_ to \_\_\_:\_\_\_ Project \_\_\_\_\_ Experiment \_\_\_\_\_

Researcher(s): \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ Site/Lab: \_\_\_\_\_

---

## PARTICIPANT

Subject #: \_\_\_\_\_ ID: \_\_\_\_\_ Visit: \_\_\_\_\_ Consent ☐ Safety ☐

Height: \_\_\_\_\_ cm Weight: \_\_\_\_\_ kg Arm length: \_\_\_\_\_ cm Ear-neck-fingertip: \_\_\_\_\_ cm

Nasion-inion: \_\_\_\_\_ cm L-R pre-auricular: \_\_\_\_\_ cm Nasion-Ear-Inion: \_\_\_\_\_ cm

Ethnicity: \_\_\_\_\_ Medications: \_\_\_\_\_ Nicotine: \_\_\_\_\_ Alcohol: \_\_\_\_\_

---

## TMS

Make: Magstim, MagVenture, Mag&More, Dantec, \_\_\_\_\_ NeuroNav: 10/20, MNI, MRI, \_\_\_\_\_

Model: 200, BiStim, Rapid | MagPro R\_\_\_\_, PowerMag \_\_\_\_\_ | Other: \_\_\_\_\_

Coil shape: Round | Figure 8 | Double-Cone | H-coil Handle: Flat | Branding iron

Coil size: 50 | 70 | 90 | 100 | 110 | Other: \_\_\_\_\_ mm Diameter: Inner | Mean | Outer

---

## EMG

Muscle1: FDI, TE, ADM, FDS, EDC, FCR/U, ECR/U, BR, BB, TB, DEL, PEC, Other \_\_\_\_\_ L | R

Muscle2: FDI, TE, ADM, FDS, EDC, FCR/U, ECR/U, BR, BB, TB, DEL, PEC, Other \_\_\_\_\_ L | R

Muscle3: FDI, TE, ADM, FDS, EDC, FCR/U, ECR/U, BR, BB, TB, DEL, PEC, Other \_\_\_\_\_ L | R

Muscle4: FDI, TE, ADM, FDS, EDC, FCR/U, ECR/U, BR, BB, TB, DEL, PEC, Other \_\_\_\_\_ L | R

---

## PNS

Stimulator Make: Digitimer | ADInstruments Model: D \_\_\_\_\_ | BioAmp | Other \_\_\_\_\_

Nerve1: Digit\_, Med, Uln, Rad, \_\_\_\_\_ Location: Finger, Wrist, Elbow, \_\_\_\_\_ Fingertip: \_\_\_\_\_ cm L | R

Nerve2: Digit\_, Med, Uln, Rad, \_\_\_\_\_ Location: Finger, Wrist, Elbow, \_\_\_\_\_ Fingertip: \_\_\_\_\_ cm L | R

Nerve3: Digit\_, Med, Uln, Rad, \_\_\_\_\_ Location: Finger, Wrist, Elbow, \_\_\_\_\_ Fingertip: \_\_\_\_\_ cm L | R

Nerve4: Digit\_, Med, Uln, Rad, \_\_\_\_\_ Location: Finger, Wrist, Elbow, \_\_\_\_\_ Fingertip: \_\_\_\_\_ cm L | R

---

## - - - THRESHOLDS - - -

## TMS THRESHOLD LOCATIONS

Site1: \_\_\_\_\_ Ref.: Vertex, Inion, \_\_\_\_\_ Hem: L, mid, R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm ○

Site2: \_\_\_\_\_ Ref.: Vertex, Inion, \_\_\_\_\_ Hem: L, mid, R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm ○

Site3: \_\_\_\_\_ Ref.: Vertex, Inion, \_\_\_\_\_ Hem: L, mid, R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm ○

Site4: \_\_\_\_\_ Ref.: Vertex, Inion, \_\_\_\_\_ Hem: L, mid, R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm ○

---

## TMS THRESHOLDS

Method: MEPs, Twitch, Other \_\_\_\_\_ Algorithm: Frequency, PEST, Other \_\_\_\_\_

Target: 5/10/ \_\_\_\_\_ MEPs of 10/20/ \_\_\_\_\_ trials Criterion mV: 0.05/0.10/0.20/1.0/Other \_\_\_\_\_ mV

Muscle1: \_\_\_\_\_ Side: L, R State: Rest/ \_\_\_\_\_ %MVC, Move mV: 0.05/ \_\_\_\_\_ Threshold: \_\_\_\_\_ %MSO

Muscle2: \_\_\_\_\_ Side: L, R State: Rest/ \_\_\_\_\_ %MVC, Move mV: 0.05/ \_\_\_\_\_ Threshold: \_\_\_\_\_ %MSO

Muscle3: \_\_\_\_\_ Side: L, R State: Rest/ \_\_\_\_\_ %MVC, Move mV: 0.05/ \_\_\_\_\_ Threshold: \_\_\_\_\_ %MSO

Muscle4: \_\_\_\_\_ Side: L, R State: Rest/ \_\_\_\_\_ %MVC, Move mV: 0.05/ \_\_\_\_\_ Threshold: \_\_\_\_\_ %MSO

---

## NERVE THRESHOLDS

Nerve1: \_\_\_\_\_ Side: L, R; Duration: \_\_\_\_\_ ms Sensory: \_\_\_\_\_ mA; M-wave: \_\_\_\_\_ mA; Twitch: \_\_\_\_\_ mA

Nerve2: \_\_\_\_\_ Side: L, R; Duration: \_\_\_\_\_ ms Sensory: \_\_\_\_\_ mA; M-wave: \_\_\_\_\_ mA; Twitch: \_\_\_\_\_ mA

Nerve3: \_\_\_\_\_ Side: L, R; Duration: \_\_\_\_\_ ms Sensory: \_\_\_\_\_ mA; M-wave: \_\_\_\_\_ mA; Twitch: \_\_\_\_\_ mA

Nerve4: \_\_\_\_\_ Side: L, R; Duration: \_\_\_\_\_ ms Sensory: \_\_\_\_\_ mA; M-wave: \_\_\_\_\_ mA; Twitch: \_\_\_\_\_ mA

---

## - - - EEG - - -

Hardware: \_\_\_\_\_ Sampling rate: \_\_\_\_\_ kHz Filtering, Low: \_\_\_\_\_ Hz High: \_\_\_\_\_ Hz

Electrode(s): \_\_\_\_\_ Reference: \_\_\_\_\_

Nerve: \_\_\_\_\_ Side: L, R; Duration: \_\_\_\_\_ ms Intensity: \_\_\_\_\_ mA; Frequency: \_\_\_\_\_ Hz Reps: \_\_\_\_\_

NOTES: \_\_\_\_\_

---

## - - - EXPERIMENT - - -

## TMS LOCATIONS

Site1: \_\_\_\_\_ Hem.: L | Mid | R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm MNI: \_\_\_\_\_x,\_\_\_\_\_y,\_\_\_\_\_z ○

Site2: \_\_\_\_\_ Hem.: L | Mid | R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm MNI: \_\_\_\_\_x,\_\_\_\_\_y,\_\_\_\_\_z ○

Site3: \_\_\_\_\_ Hem.: L | Mid | R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm MNI: \_\_\_\_\_x,\_\_\_\_\_y,\_\_\_\_\_z ○

Site4: \_\_\_\_\_ Hem.: L | Mid | R Right: \_\_\_\_\_ cm Forward: \_\_\_\_\_ cm MNI: \_\_\_\_\_x,\_\_\_\_\_y,\_\_\_\_\_z ○

---

## TMS PULSES

TMS train type: Single | Paired | Triple | Quadruple | rTMS: \_\_\_\_\_ Hz, \_\_\_\_\_ s | \_\_\_\_\_

TMS coil 1: \_\_\_\_\_ TMS coil 2: \_\_\_\_\_ TMS coil 3: \_\_\_\_\_ (in order of pulses)

TMS intensity1: \_\_\_\_\_ %MSO \_\_\_\_\_ %RMT | %AMT Shape: Mono | Bi | \_\_\_\_\_

TMS intensity2: \_\_\_\_\_ %MSO \_\_\_\_\_ %RMT | %AMT Shape: Mono | Bi | \_\_\_\_\_

TMS intensity3: \_\_\_\_\_ %MSO \_\_\_\_\_ %RMT | %AMT Shape: Mono | Bi | \_\_\_\_\_

TMS intensity4: \_\_\_\_\_ %MSO \_\_\_\_\_ %RMT | %AMT Shape: Mono | Bi | \_\_\_\_\_

N blocks: \_\_\_\_\_ N trials per block: \_\_\_\_\_ N pulses per trial: \_\_\_\_\_ Total pulses: \_\_\_\_\_

---

## NERVE PULSES

Nerve1: Digit\_\_\_\_, Med, Uln, Rad, Other\_\_\_\_\_ Side: L,R Duration: \_\_\_\_\_ ms Intensity: \_\_\_\_\_ mA

Nerve2: Digit\_\_\_\_, Med, Uln, Rad, Other\_\_\_\_\_ Side: L,R Duration: \_\_\_\_\_ ms Intensity: \_\_\_\_\_ mA

Nerve3: Digit\_\_\_\_, Med, Uln, Rad, Other\_\_\_\_\_ Side: L,R Duration: \_\_\_\_\_ ms Intensity: \_\_\_\_\_ mA

Nerve4: Digit\_\_\_\_, Med, Uln, Rad, Other\_\_\_\_\_ Side: L,R Duration: \_\_\_\_\_ ms Intensity: \_\_\_\_\_ mA

N blocks: \_\_\_\_\_ N trials per block: \_\_\_\_\_ N pulses per trial: \_\_\_\_\_ Total pulses: \_\_\_\_\_

## NOTES

---

---

---

---