- - - STUDY PARAMETERS - - -

Date: ___/___/202__ Time:___:___to___:___ Project_____ Experiment_____

Researcher(s): _____ | _____ | _____ | _____

PARTICIPANT

Subject #: _____ **ID: _____** **Visit: _____** **Consent** ☐ **Safety** ☐

Height: _____cm Weight: _____kg Arm length: _____cm Ethnicity:_____

Head; Nasion-inion: _____cm L-R pre-auricular: _____cm Nasion-Ear-Inion: _____cm

Medications: _____ Nicotine: _____ Alcohol: _____

TMS

Make: Magstim | MagVenture | Mag&More | Dantec | Other_____

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: Digital__|Median|Ulnar|Radial **Location**: Finger|Wrist|Elbow|Other_____L | R

Nerve2: Digital__|Median|Ulnar|Radial **Location**: Finger|Wrist|Elbow|Other_____L | R

Nerve3: Digital__|Median|Ulnar|Radial **Location**: Finger|Wrist|Elbow|Other_____L | R

Nerve4: Digital__|Median|Ulnar|Radial **Location**: Finger|Wrist|Elbow|Other_____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

Muscle: ____ **Side**: L|R **State**: Rest/___%MVC|Move **mV**: 0.05/___ **Threshold:** ____%MSO

Muscle: ____ **Side**: L|R **State**: Rest/___%MVC|Move **mV**: 0.05/___ **Threshold:** ____%MSO

Muscle: ____ **Side**: L|R **State**: Rest/___%MVC|Move **mV**: 0.05/___ **Threshold:** ____%MSO

Muscle: ____ **Side**: L|R **State**: Rest/___%MVC|Move **mV**: 0.05/___ **Threshold:** ____%MSO

NERVE THRESHOLDS

Nerve: ____ **Side:** L|R; **Duration:** ___ ms **Sensory:**___mA; **M-wave:**___mA; **Twitch:** ___mA

Nerve: ____ **Side:** L|R; **Duration:** ___ ms **Sensory:**___mA; **M-wave:**___mA; **Twitch:** ___mA

Nerve: ____ **Side:** L|R; **Duration:** ___ ms **Sensory:**___mA; **M-wave:**___mA; **Twitch:** ___mA

Nerve: ____ **Side:** L|R; **Duration:** ___ ms **Sensory:**___mA; **M-wave:**___mA; **Twitch:** ___mA

NOTES

_____

_____

_____

_____

_____

- - - EXPERIMENT - - -

TMS LOCATIONS

Site1: _____ **Hem.:** L | Mid | R **Right:** ___cm **Forward:** ___cm **MNI:** ___x,___y,___z O

Site2: _____ **Hem.:** L | Mid | R **Right:** ___cm **Forward:** ___cm **MNI:** ___x,___y,___z O

Site3: _____ **Hem.:** L | Mid | R **Right:** ___cm **Forward:** ___cm **MNI:** ___x,___y,___z O

Site4: _____ **Hem.:** L | Mid | R **Right:** ___cm **Forward:** ___cm **MNI:** ___x,___y,___z O

N blocks: ____ N trials per block: ____ N pulses per trial: ____ Total pulses:_____

_____

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 | _____

_____

NERVE PULSES

Nerve1: Median|Ulnar|Radial|Digital__|_____ **Side:** L|R **Duration:** ___ms **Intensity:** ___mA

Nerve2: Median|Ulnar|Radial|Digital__|_____ **Side:** L|R **Duration:** ___ms **Intensity:** ___mA

Nerve3: Median|Ulnar|Radial|Digital__|_____ **Side:** L|R **Duration:** ___ms **Intensity:** ___mA

Nerve4: Median|Ulnar|Radial|Digital__|_____ S**ide:** L|R **Duration:** ___ms **Intensity:** ___mA

N blocks: ____ N trials per block: ____ N pulses per trial: ____ Total pulses:_____

NOTES

_____

_____

_____

_____