STUDY

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

Researcher(s): _____ | _____ | _____ | _____ | _____ **Site/Lab:** _____

PARTICIPANT

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

Height: _____cm **Weight:** ____kg **Arm length:** ____cm **Span:** _____cm **Ear-finger**: ___cm

Nasion-inion: _____cm **L-R pre-auricular:** _____cm **Circumference:** _____cm

Ethnicity: _____ **Medications:** _____ **Nicotine:** _____ **Alcohol:**_____

Hours awake:_____ **Well-rested?** No | OK | Yes **Handed:** L | Mixed | R **Sex:** F | Inter | M

Movement skills: _____ Hours per week: _____

BRAIN STIMULATION

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

NERVE STIMULATION

Hardware: ADInstruments | CED | Digitimer **Model**: BioAmp | D____ | Other_____

ELECTROMYOGRAPHY

Hardware: ADInstruments | Digitimer **Model**: BioAmp | D____ | Other_____

Acquisition: Sampling Hz: ____ k | Low-pass: _____ Hz | High-pass: _____Hz **Notch:** N | Y

MUSCLES

#	Hand							Forearm							Upper arm			Trunk	Leg			Other	Side
1	TE	FDI	ADM	FDS	EDC	FCR/U	ECR/U	BR	BB	TB	DEL	PEC	Trap	FHB	EDB	TA	_____	L | R
2	TE	FDI	ADM	FDS	EDC	FCR/U	ECR/U	BR	BB	TB	DEL	PEC	Trap	FHB	EDB	TA	_____	L | R
3	TE	FDI	ADM	FDS	EDC	FCR/U	ECR/U	BR	BB	TB	DEL	PEC	Trap	FHB	EDB	TA	_____	L | R
4	TE	FDI	ADM	FDS	EDC	FCR/U	ECR/U	BR	BB	TB	DEL	PEC	Trap	FHB	EDB	TA	_____	L | R

TMS THRESHOLD LOCATIONS

#	Location (eg, M1-FDI)	Hemi-sphere	Reference	Distance		Orientation	Notes
				Right (cm)	Forward (cm)		
1	_____	L | M | R	Cz | Oz | ___	_____	_____		_____
2	_____	L | M | R	Cz | Oz | ___	_____	_____		_____
3	_____	L | M | R	Cz | Oz | ___	_____	_____		_____
4	_____	L | M | R	Cz | Oz | ___	_____	_____		_____

TMS THRESHOLDS

Method: MEPs, Twitch, Other_____ **Algorithm:** Frequency, PEST, Other_____

#	Muscle	Body side	State	MVC (%)	Motor-evoked potentials (MEPs)			Threshold (%MSO)	Notes
					Criterion (mV)	Hits	Total		
1	_____	L | M | R	Rest | Iso | Moving	_____	0.05 | 0.20 | ___	___	____	_____	_____
2	_____	L | M | R	Rest | Iso | Moving	_____	0.05 | 0.20 | ___	___	____	_____	_____
3	_____	L | M | R	Rest | Iso | Moving	_____	0.05 | 0.20 | ___	___	____	_____	_____
4	_____	L | M | R	Rest | Iso | Moving	_____	0.05 | 0.20 | ___	___	____	_____	_____

PERIPHERAL NERVE THRESHOLDS

Pulse shape: Square | Other _____ **Duration:** _____ µs

#	Nerve	Location	Side	Reference (e.g. finger, toe)	Distance (cm)	Thresholds (mA)		
						Sensory	M-wave	Twitch
1	_____	_____	L | R	_____	_____	_____	_____	_____
2	_____	_____	L | R	_____	_____	_____	_____	_____
3	_____	_____	L | R	_____	_____	_____	_____	_____
4	_____	_____	L | R	_____	_____	_____	_____	_____

TMS LOCATIONS

#	Location (eg, M1-FDI)	Hemi-sphere	Reference	Distance Right (cm)	Distance Forward (cm)	Orientation	MNI (x, y, z)	Notes
1	_____	L | M | R	Cz | Oz | ___	_____	_____	O	(___, ___, ___)	
2	_____	L | M | R	Cz | Oz | ___	_____	_____	O	(___, ___, ___)	
3	_____	L | M | R	Cz | Oz | ___	_____	_____	O	(___, ___, ___)	
4	_____	L | M | R	Cz | Oz | ___	_____	_____	O	(___, ___, ___)	

_____

TMS PULSES

TMS train type: Single | Paired | Triple | Quadruple | rTMS: ____Hz, ____ s | _____

TMS coil 1: Fig8 ___mm Flat | BI **TMS coil 2:** Fig8 ___mm Flat | BI (in order of pulses)

#	Coil	Intensity Machine (% MSO)	Intensity Participant (% RMT)	Intensity Participant (% AMT)	Notes (eg, intensity changes, coil swaps)
1	1 | 2	_____	_____	_____	_____
2	1 | 2	_____	_____	_____	_____
3	1 | 2	_____	_____	_____	_____
4	1 | 2	_____	_____	_____	_____

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

NERVE PULSES

#	Nerve	Location	Side	Intensity Machine (mA)	Intensity Participant (% sensory)	Intensity Participant (% motor)	Notes
1	_____	_____	L | R	_____	_____	_____	_____
2	_____	_____	L | R	_____	_____	_____	_____
3	_____	_____	L | R	_____	_____	_____	_____
4	_____	_____	L | R	_____	_____	_____	_____

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

ELECTROENCEPHALOGRAPHY

Hardware:_____ **Sampling rate:** ____kHz **Filtering, Low:** ____Hz **High:**_____Hz

Electrodes 1: _____/_____ **2:** _____/_____ **3:** _____/_____ **4:** _____/_____ **Reference:**____

Nerve: ____ **Side:** L,R; **Duration:** ___ms **Intensity:** ___mA; **Frequency:** ___Hz **Reps:**_____

NOTES

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