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Checklist for personalized NIBS for L2 learning

Before arrival	
	(>4h) Charge amp batteries
	(>4h) Charge stimulator battery
	(>1h) Stimulator battery >= 95 %
	(>1h) Make sure all EEG caps are clean and dry
	(>1h) Set up and test equipment
	☐ Waveform generator
	☐ Stimulator REMOTE
	☐ Stimulator SIGNAL OUT
	☐ Stimulator Output using oscilloscope
	☐ Audio & Earphone
	☐ Recording & Microphone
	☐ EEG system, incl. caps, SIGNAL OUT & Trigger
	(>1h) Print consent, payment, feedback/quiz and study protocol forms
	(>1h) Tissues, 2*cotton swabs, 2*syringes, EEG gel, Ten20 paste, two water-based pens with different color
Preparation	
	Introduce lab (Only for the first time)
	Give consent form to subject and receive it signed
	Assign / look up identifier
	Get a glass of drink and bring snack for subject
	Explain task
	Prepare subject (gelling)
	☐ Follow that mat.
	Put "Do not disturb" signs on both doors
Recording	
	Start NeurOne recording ⇒ "paradigm_practice.py" ⇒ Answer question ⇒ "paradigm_main.py"
	☐ In practice stage, adjust volume on computer to be comfortable for subject & confirm they can hear 40
	Hz sound within questions.
	Watch for amplifier battery warning. In case of warning: wait for next break ⇒ stop recording ⇒ change
	battery \Rightarrow start recording \Rightarrow Note down the break.
	Watch for stimulator battery warning. In case low battery or the subject want to stop: wait for next break
	\Rightarrow stop recording \Rightarrow run "safe_stop.sh" \Rightarrow run "safe_start.sh" \Rightarrow start recording \Rightarrow Note down the break
	Denote anything out of the ordinary in the study protocol, e.g. loud noises, breaks in recording, faulty
	equipment
	During breaks: offer water, ask if everything is ok
After Recording	
	Hand out and receive feedback form
	Make appointment for next session (if applicable)
	Pay subject and receive signed payment form
	Export data and save it to NI share
	Shut down EEG equipment, stimulator and computers
	Clean EEG cap, stimulator rubber electrodes
Ш	Charge batteries