

## FULL VERSION

### POINTS OF RELEVANCE WITH KNOWN INFLUENCE ON OUTCOME OF TRANSCRANIAL ELECTRICAL STIMULATION (TES)

*A structured checklist increases the reproducibility of studies, minimises deviations from a given protocol and diminishes variability. A structured checklist is thus the recommended procedure for enhancing reliability and comparability in publications of TES experiments/trials.*

#### Participant information

- Age:
- Gender:
- Racial group:
  - Caucasian/White
  - African
  - Asian
  - Hispanic
  - Other race:
    - Mixed (i.e. > 1 racial type):
- Handedness:
- Head size (distance in cm: inion - nasion, ear to ear distance)
- *Previous experience with TES (additional information of potential relevance):*
- Medication (Depending on the type of study an even more precise documentation may be necessary, measurement of drug levels may be considered), label and dose
  - Within last hours
  - Within last days
  - Within last months
- Caffeine consumption (cups) (indicate the best currently relevant estimate):
  - Within last 12 hours
  - Average within last months
- Nicotine consumption (cigarettes per day) (indicate the best currently relevant estimate):
  - Within last 4 hours (*half life of Nicotine: 2 hours*)
  - Within last 48 hours (*half life metabolite cotinine: 10-37 hours*)
- Alcohol consumption (drinks) (indicate the best currently relevant estimate)::
  - Within last 24 hours
  - Average with last months (how many months?)
- Drugs (e.g. marijuana) consumption (to be specified):  
(for comparability important that unit is given and comparable measures are noted)

- Hormonal/menstrual cycle of female subjects  
First day of last menstruation
- *In case of patients non-neuropsychiatric comorbidities:*

**Procedures applied, Dose parameters** (*sufficient information about the stimulation parameters should be provided in order to replicate or model the stimulation dose independently based on these parameters*)

- Type of stimulation (complicated waveforms with drawings):
- Metric to be used: (e.g., behavioral, cognitive, EEG, MEP, MRI):
- Product number and model of stimulator used (consider Nr. as encoded in case of multiple stimulators available):
- Stimulation intensity (peak-to-baseline):
- Stimulation duration:
  - Duration of ramping
  - Fragmented stimulation (interval duration)
- Type and number of electrodes:
- Electrode positions:
- Electrode polarities in case of tDCS:
- Position of cable fixation at electrode:
- Electrode shape:
  - target electrode:
  - return electrode:
- Electrode size:
  - target electrode:
  - return electrode :
- Method of allocation of electrode position (neuronavigation, MEP hot spot, modeling etc):
- Electrode-skin interface (any skin preparation steps):
  - type of fixation:
  - saline (molarity?) , in case of cream, brand:

**Other factors to be considered**

- Tasks/status during stimulation (if any) :
  - Not specified or regulated
  - Specified/regulated: details \_\_\_\_\_
- Day time of the experiment (from - to):
- Attention (level of arousal)
  1. before stimulation:
  2. during stimulation (optimal results expected with relaxation, not during arousal or sleepiness):
  3. after stimulation:
  4. Number of hours in sleep during the last night:
  
- Prior motor activity (i.e. cycling before stimulation, if yes, please define the duration):
- Prior rest (sleep) before stimulation:
- Duration of the whole experiment including preparation:
- Number of years in education (of interest in special, e.g. in cognitive studies):

Additional comments:

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