iEEG

Intercranial EEG (iEEG)

Data Collection

iEEG:

- need USB to parallel convertor (stored at hospital)
- if using clinical system, check to verify that clinical system is recording all electrodes of interest
- unplug 60 Hz devices near patient bed

Eyetracker:

- Use 16 mm lens
- Make sure ethernet cable connected
- Set configuration in Eyelink software to 16 mm lens
- Place eyetracker desktop mount on hospital tray table.
- Place gray carrying case immediately behind eyetracker
- Place laptop on top of gray carrying case
- Place target sticker above right eye. Guidelines for the placement and use of target sticker can be found in Eyelink user manual, pages 55-61.
- Distance from target sticker to eye tracker ~60 cm is what we have been using (range of 55-60 cm cited as ideal in Eyelink user manual.)
- Distance from eye to center of monitor ~ 90 cm is what we have been using

Matlab:

- if using photodiode, set do_photodiode=1 to display dot in corner of screen
- if using eyetracker, do_el =1
- do_iEEG =1

Eyetracker calibration

- "c", "enter": 9 point calibration (press enter if not automatically moving), "enter" to end calibration
- "v", "enter": 9 point validation "enter" to end it
- "esc": drift correction-> check ET monitor. When eye is on the white dot "enter". This will start recording