

Supplies Needed

Note: Electrodes, module, Nuprep and red dots will be kept in the Clean Supply Room, by Bay 3, on the far right hand wall (top shelf in the middle)

Supply list: EEG module, EEG electrodes, alcohol wipes, 4x4 gauze, Nuprep, cotton swabs, 9 small red dots



Electrode Placement

Perform hand hygiene, don sterile gloves needed.
Clean the skin with alcohol and then abrade the area with Nuprep.



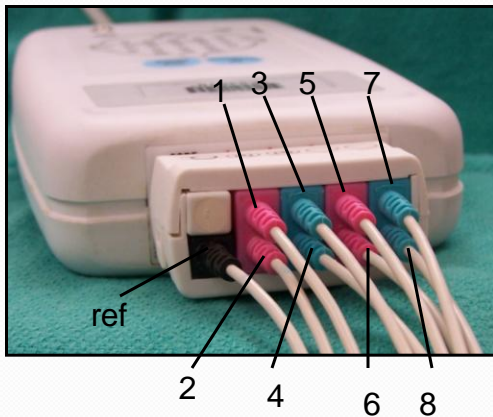
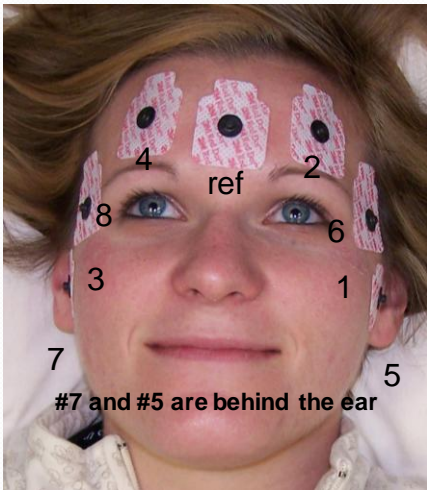
Electrode Placement

Place red dots, then apply electrodes



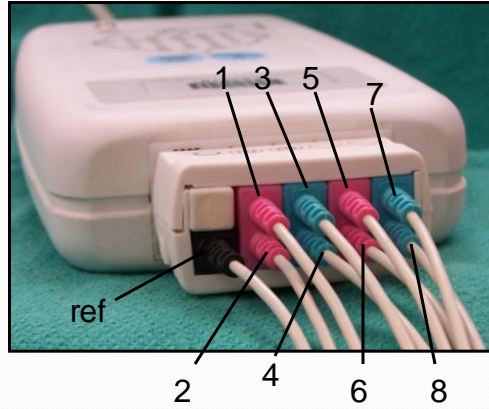
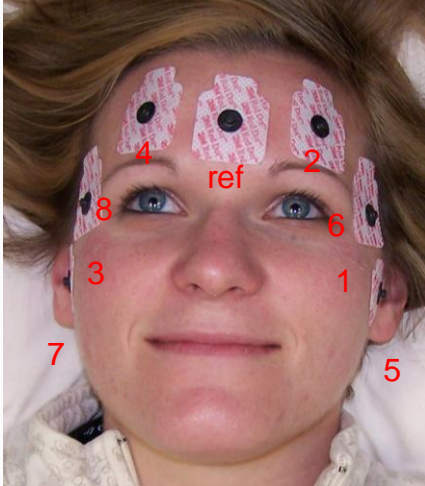
Electrode Placement

Place red dots, then apply electrodes



Electrode Placement

- Channel 1 = 1,2 (pink)
- Channel 2 = 3,4 (blue)
- Channel 3 = 5,6 (pink)
- Channel 4 = 7,8 (blue)



Electrode Placement

At a glance TIP:
Blue on right...BRRRR, Pink on left...“Pink Lady” (Smoke then fire)



Electrode Placement

Reference (black electrode):

Electrode over centre of forehead.

Channel 1: (pink electrode pair that are closest to the black electrode).

(A1): Position top **PINK** electrode with **RED** center on LEFT cheek in front of LEFT ear

(FP1): Position bottom **PINK** electrode with **BLACK** center on LEFT side of forehead above the middle of the LEFT eyebrow

Channel 2: (blue electrode pair next to Channel 1).

(A2): Position top **BLUE** electrode with **RED** center on the RIGHT cheek in front of the RIGHT ear

(FP2): Position bottom **BLUE** electrode with **BLACK** center on the RIGHT side of the forehead above the middle of the RIGHT eyebrow

Channel 3: (pink electrode pair farthest from black electrode):

(T5): Position top **PINK** electrode with **RED** center directly behind LEFT ear/

(F7): Position bottom **PINK** electrode with **BLACK** center on LEFT temple beside the outer corner of the eye.

Channel 4: (blue electrode pair farthest from black electrode):

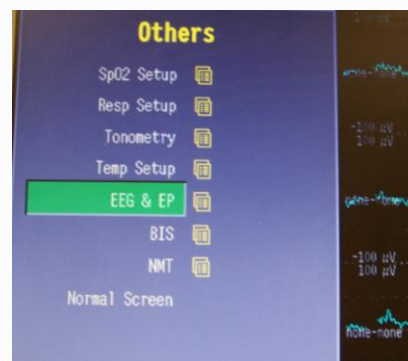
(T6): Position top **BLUE** electrode with **RED** center directly behind the RIGHT ear

(F8): Position bottom **BLUE** electrode with **BLACK** center on RIGHT temple beside outer corner of the eye.

Monitor Setup

Select:

- “Others”
- EEG & EP
- To see EEG page, depress the green comwheel and select EEG, to go back to Normal screen, select “normal screen”



Monitor Setup

Select:

- Montage 8, “Mont8”
Note: the monitor defaults to “Basic”
- Montage Type: Bip*
Note: this might default to ref.
- Save Montage



*Bip stands for Bipolar – better to view highly localized pattern

Monitor Setup

- Once the CEEG is functioning check to make sure the electrodes are working properly (checking impedance)
- Press “Others”, scroll to EEG/EP, push wheel, highlight ‘check electrodes’
- Impedance values are at the bottom of the screen. You should have impedance of less than 5

Impedance

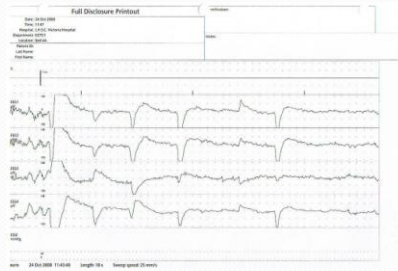
beta%	1	14	1	0	%
BSR	32	30	32	33	%
FEMG	3.7				μV
Imped.+	2.8	1.3	2.1	5.2	kOhm
Imped.-	2.7	1.7	1.7	1.9	kOhm

EEGnum

Troubleshooting

- If you only see two channels the most common cause is the Montage is “Basic”
- If the monitor says “leads off” one of your connections is loose
- If your impedance is > 5.0 skin contact with the red dot is poor

Printing



- All EEG data is saved at the central monitor
- Go to Full Disclosure, pick your patient and select Neuro
- You can trace back to find the page that you want to print
- Select Print Page when you are at the correct selection