

Operator Instructions

When subject arrives	<p>Thank the subject for participating in the study and give him/her the parking pass Use center's MR-safety checklist to make sure the subject is MR safe. Give the IRB consent form to the subject and let her/him read and sign Explain the procedure. Briefly go over the number of scans and their durations</p>
Putting EEG cap	<p>Take subject to MPR where you have the EEG system ready. Use the EEG checklist. Put the cap on subject's head and get a snapshot of the impedance values Do the eyes-open/eye-closed test to see the alpha fluctuations</p>
Moving to the console/scanner room	<p>Take the hardware to the console/scanner room. Only the battery and the amplifier can go inside the room. Make sure you put the sand bag on the amplifier to minimize the amount of vibration Follow the block diagram of the BP EEG to connect the peices</p>
<p>Ask the subject if s/he wants to use restroom</p>	
<p>Take 3D image</p>	
Taking the subject to the scanner room	<p>Use center's 2nd MR-safety checklist to make sure the subject is MR safe It is important the subject is comfortable during the scan. This minimizes the amount of motion during the scan. Ask the subject to point any discmfort and try to fix it Tell the subject that you will be communicating with her/him between the scans. S/he can always squeeze the ball if there is something that needs immidiate attention Do not overtighten the pulse ox on the finger. Overtightening could block blood flow and lead to poor pulse ox signal.</p>
Patient setup	<p>Earplugs Pulse oximeter Respiratory belt Squeeze ball</p>
<p>Dim the light and go to the console room to start the scans</p>	
<p>Get another snapshot of the impedance values</p>	
Tell subject	<p>We will now acquire a series of scans. You will hear some noise, like knocking sounds, during scans. This is normal. The table may move between the scans. It is important that you remain still during the scans It is also important that you refrain from moving the hand or arm that the pulse ox is attached to. If you have to move that arm for comfort, please do so now.</p>
Tell subject	<p>Scans I'm going to start the first scan and it will take ?? seconds. And the table may move.</p>
Tell subject	<p>Localizer The next scan is a resting state scan. Please close your eyes and relax. I will start the scan in 2 minutes and will talk to you again about 30 seconds before the scan starts. The table may move as we prepare for the scan. Wait for 1.5 min -- do prescan during this waiting period. Please keep your eyes closed, stay still, and continue to relax -- the scan will start in about 30 seconds and will last for 6 minutes Wait for 30 seconds and then start the scan.</p>
Start recording EEG	
Rest fMRI #1	
Stop recording EEG	

