



### NHSTC A-ABR Troubleshooting Checklist

#### Issue:

- Test is taking too long to complete (> 12 to 15 minutes)
- There is too much noise, artifact/EEG levels are too high

#### Possible causes:

##### Myogenic and/or electrical interference

- a. Myogenic noise can occur from baby moving, e.g. sucking, crying, muscle movement, neck strain
  - ◇ Ensure baby is fed, dry and relaxed and swaddled prior to screening
  - ◇ If sucking on pacifier, remove it when testing is initiated
- b. Interference from electrical noise
  - ◇ If equipment runs on electrical power change outlet and try and use a protected outlet
  - ◇ Change room location
  - ◇ If baby is hooked up to any monitors, ask nurse if they can temporarily be turned off while screening is conducted
  - ◇ If equipment uses power but can also run on battery power, unplug
  - ◇ Turn off cellphones
  - ◇ Turn off any florescent lights
- c. Other things to check
  - ◇ Is sound coming out of the transducer/s (probe, couplers, etc.)?
  - ◇ Is the probe fit secure (hand's-free fit)?
  - ◇ Are the couplers fitting secure over the baby's ears?
    - If they aren't sticking or coming off try placing the knit cap over the top of the couplers to hold them into place
  - ◇ Have any of the electrodes loosened or fallen off?
  - ◇ Are all of the cables properly connected?
  - ◇ Is there too much ambient noise in the room?
  - ◇ High noise levels near screening (talking, fans, vents, monitors)?