



Consultants in Neurology
Rowe Neurology Institute
8550 Marshall Drive, Suite 100
Lenexa, Kansas 66214
913-894-1500 or 800-753-6992

Evoked Potential Instructions

Your appointment is:

Day _____ Date _____ Time _____

These are **Consultants in Neurology's** instructions for Evoked Potential testing procedures, please follow these instructions:

If the patient has confusion or cognitive issues, a family member or caregiver will be required to stay with the patient during the testing process.

Visual Evoked Response (VER)

1. **Make sure and bring your glasses or contact lenses.**
2. Make sure your hair and skin are clean. Lotion, hair conditioner, light hairspray can be used. Greasy hair treatments and heavy hairspray or styling gels need to be avoided, however. Make sure and bring a comb with you.
3. You can eat and drink anything you want prior to test. However, keep in mind that the test takes 30 minutes, and you cannot get up to use the bathroom while taking the test, so don't overdo liquids. If you take medications, you can take them as you usually do.
4. This is an easy, painless test that does not hurt at all! You will have several electrodes put on your scalp with some paste, and we will have you look at a TV screen with a checkerboard on it while a computer analyzes the brain activity recorded from the electrodes.

Brainstem Auditory Evoked Response (BAER)

1. **If you wear a hearing aid make sure and bring it with you!**
2. Make sure your hair and skin are clean. Lotion, hair conditioner, light hairspray can be used. Greasy hair treatments and heavy hairspray or styling gels need to be avoided, however. Make sure and bring a comb with you.
3. You can eat and drink anything you want prior to test. However, keep in mind that the test takes at least 30 minutes. You cannot get up to use the bathroom while taking the test, so don't overdo liquids! If you take medications, take your medicine as you usually do.

4. This test involves listening to loud clicks, and may not be accurate if you have an ear infection or a build-up of wax that is interfering with your hearing. If this is the case, it may be better to postpone the test until your infection is cleared up or the wax removed from your ear. Check with your physician if you have questions.
5. This is an easy, painless test! You will have a several wires applied to your head and then you will listen to clicks through headphones which are placed over your ears.

Somatosensory Evoked Response (SER)

This test can be ordered on arms, legs or all 4 limbs. It takes 45 minutes to test two limbs, and 90 minutes to test four limbs.

1. You will need to wear loose, comfortable clothing that will allow us access to your legs up to 5 inches above your knees, your neck, low back, and your hip. Two-piece outfits that have loose legs usually work well.
2. Make sure your hair and skin are clean. Lotion, hair conditioner, light hairspray can be used. Greasy hair treatments and heavy hairspray or styling gels need to be avoided, however. Make sure and bring a comb with you.
3. You can eat and drink anything you want prior to test. However, keep in mind you cannot get up to use the bathroom while taking the test, so don't overdo liquids! If you take medication, you can take your medicine as you usually do.
4. One nerve will be stimulated on each wrist and ankle, and the response will be recorded from the local nerve, the spinal cord and brain. The test takes 7-10 minutes on each limb. You will feel an electrical pulse when the stimulator is on, but most people do not find it uncomfortable.