

# Items To Bring To A MyoVision Screening

[www.myovision.com](http://www.myovision.com)

- AV Stand or Cart which is high enough to mount the monitor or TV as high as possible.
- Monitor Riser to lift monitor, and provide a place for the MyoVision beneath.
- Hair Clips (2) to clip up hair and lower part of shirt (when measuring lumbar spine)
- Poster (available from PBI/MyoVision) to help draw people to your site.
- Loud Speakers which plug into the computer for playing the voice prompts as loudly as is acceptable.
- Patient Education Forms.
- Patient sign up sheets.
- SEMG equipment. Place probes in pink bubble bag to transport.
- AC adapter (brand name "SCEPTRE" 12 volt adapter for SEMG), Serial Cable and Socket Card (if required)
- TV or large monitor with TV VIEW HGA or equivalent PC to TV Converter if required
- Alcohol wipes.
- Long extension cord.
- Power strip.
- Printer and high quality printer paper.
- Extra printer cartridge.
- External Mouse
- Screwdriver
- Wire or String for tying up banner
- MyoVision Banner

**TIPS ON SCREENINGS:** Many doctors report that testing works better with two individuals: One individual tests the person, and the DOCTOR is handed a printout to analyze and sign up the patient, or pass them back to the screener to sign them up.

To avoid storing large numbers of patient files, and make the screening as efficient as possible, use the QUICKSCREEN method. Simply press the F5 KEY (the first time it will stop you to ask what test you want to perform..select Quickscreen). When done with test, either press F6 to show on screen, or F7 to print. Press ENTER to print out the tests. When done printing or reviewing, press F5 for your next test.

Potential Problems: 1. If it is very hot out, and skin is sweaty, you may experience high SEMG readings. Lift up the probes, and place them down on the skin an inch or so away from where you had them placed. If readings do not drop, you may need to dry the skin with a paper towel, or use alcohol to clean the skin lightly. 2. Always use quickscan liquid at each site.

DO:

1. Test each other if things are slow.
2. Have one person test, and a second explain the results of the test.
3. Check your readings to verify that you are getting good contact with the skin. If you notice the readings do not drop within a second of touching to the skin, lift the probe, and move over an inch. ALWAYS make certain that you are on skin. At C2 if there is hair, move out under the ear if you must to get on skin.
4. **IMPORTANT DISCLAIMER:** EXPLAIN to the patient that you are using the SEMG as a screening tool, and that the results will vary somewhat from what is expected in the clinic setting. Due to the numerous environmental conditions, the level of the floor, the lack of skin preparation (including the use of alcohol) allowed at a screening and electrical noise at the location of the screening, readings may not accurately reflect the true muscle activity as found in a complete exam. Let them know that you would like to have them come in for a full spine test in the office to verify the readings found during the current test.
5. **NOTE:** To do the test properly, you want to wipe the skin with alcohol, touch the electrodes to quickscan liquid at EACH level, and also make certain that your electrodes are in good condition( blackish color...no light colored areas or shiny appearance).
6. Test in the standing position. SEMG provides much more information standing for the same reason you perform standing x rays.

7. Test Children either prone, or explain that children have very high readings. Switch to the "balance" view (click on the BALANCE tab) to show balance instead of levels of activity.

**DO NOT:**

1. Let the patient hold up their own hair or their own shirt. This will create erroneous readings.
2. Make wild claims about the test. We are measuring muscle activity...which is an indicator of the balance of the muscles of the spine. An imbalance in activity may indicate a potential problem with the spine or nervous system, but further tests are required to determine if there is justification.

**COMMON REQUIRED EXPLANATIONS:**

1. What does the percent difference mean? It simply means the difference between left and right sides.
2. Why was a test done on me a few minutes ago show a red reading, while now it is purple or green? ANSWER: See 2 above. Also, note that a reading of 5 microvolts may fall in the normal range, while 7 may be abnormal. With hand held electrodes, there is a variability which can be expected of several millionths of a volt, making this a possibility. The actual readings may be close together, but the cutoff for abnormal may have been passed.
3. What are we measuring? Levels of muscle tension. The machine works similarly to an EKG.
4. Why do a test if the results are going to vary? We as doctors are detectives looking for clues about your spinal health. The SEMG is one test which we use, in combination with others to "gather evidence".

**Using the Screening Slide show.**

1. Click Slide Show, select screening show.

**What to say?**

SEMG is measuring muscle activity in your spine in the same manner as an EKG measures heart muscle.

It is painless, non-invasive, and can be performed on pregnant women and children.

When your spine is injured or subluxated, or your nervous system is distressed, your muscles will tense up and brace around that area to protect itself so it can heal.

(Much like when someone punches you in the arm, you tense up and brace.)

When the muscles tense up, they contract and give off microvolts. MyoVision helps us determine the health state of your nervous system and spine, by showing us how your body is responding to stress to your nervous system.

The further the bars "stick out", the higher the readings. The arrows point in the direction of imbalances (Use your hands to show the torque effect on the spine (rotate to the left, if arrows to the left etc.) Both High and very low readings can be bad. We would like you to come in to our office for a comprehensive exam which includes a full spine MyoVision exam and further Chiropractic tests.

**How to perform a screening without power!**

You can run the entire setup off battery power with the proper combination of a few simple products.

1. A standard marine battery (deep cycle...120 amp hours is best).
2. Alligator clip to Cigarette Lighter Socket adapter (from Radio Shack) Red and Black alligator clips connect to the + and - poles on the battery.
3. Power inverter (converts cigarette lighter adapter 12 volt to 120 volt, 60 hz) Has standard wall outlet jack for plugging in your power strip. I purchased mine from Target for around \$70.00. One that meets FCC Class A requirements will always be better, but may be too expensive. Check prices. I use a 150 watt converter. Check the total wattage of the equipment you are using to determine what you need. A notebook computer, printer and 19" TV utilize approximately 200 watts. Make sure you have enough wattage!
4. You will need a charger for the battery.

This arrangement will operate a notebook computer, monitor, printer and semg/thermo unit for up to 12 hours!

**19" Monitors are very inexpensive these days, so no more need to use a TV.**