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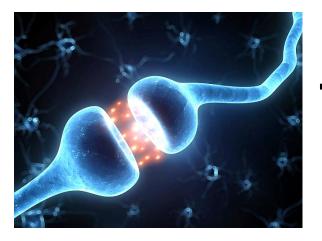


# What is neuropathy?

**Neuropathy** - also known as peripheral neuropathy, polyneuropathy (to signify that it typically affects more than one nerve) and simply as nerve pain - is a complication found in a number of different underlying conditions. When the underlying cause has not been diagnosed, doctors call it idiopathic neuropathy.

Neuropathy means damage to nerves in the peripheral nervous system, and so it affects nerves outside of the brain and spinal cord - it does not include nerve damage in the central nervous system.<sup>1</sup>

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# The kinds of Neuropathy

Three main types of nerve can be involved in peripheral neuropathy

- 1. <u>Autonomic nerves</u> (not under conscious control, "automatic" or "involuntary" nerves)
- 2. Motor nerves
- 3. Sensory nerves

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# Signs of Neuropathy

Gradual onset of numbness and tingling in the feet or hands.

This can spread to the legs and arms

**Burning pain** 

Sharp, jabbing or electric-like pain

**Extreme sensitivity to touch** 

Skin, hair or nail changes

Lack of coordination.

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## **Supplies Needed for this Protocol**

Alcohol or alcohol swabs and cotton balls.

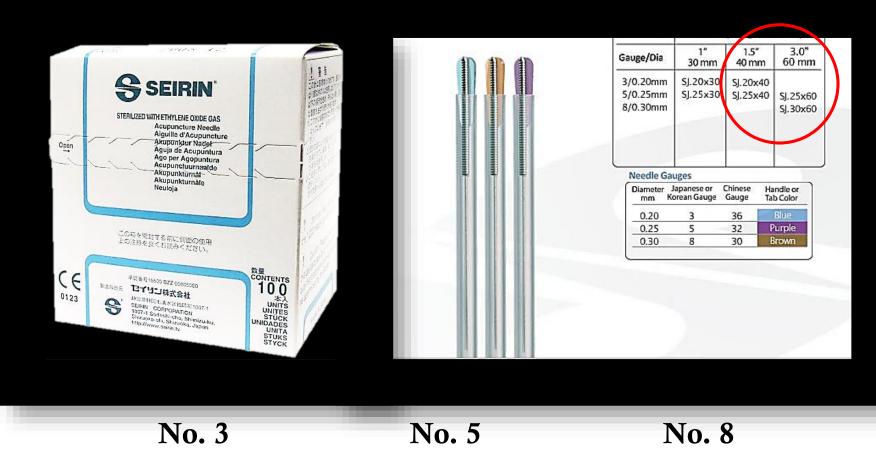
Seirin L type needles or any needles without a plastic handle. The best Seirins to use are No. 3, No. 5 or No. 8, 40 or 60 mm.

E-Stim machine that can deliver 2 Hz for 30 minutes.



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## Seirin L type and recommended sizes



40 mm 60 mm

#### 60 mm

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40 mm

#### The difference between Seirin's "J" and "L" needles

"L" Type Metal handle

"J" style Plastic handle

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# **E-Stim Machines**

You can use any E-stim machine that can deliver 2 Hz for at least 30 Minutes.

I can testify to the E-stim machines on the following page, as I own them, an have used each of them for many years.

The E-stim machine is an essential part of this technique. Without it, the protocol will not work nor will you achieve the desired results.

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### **Different E-stim Machines**



**ITO - 160** 



AWQ - 104L



**ES - 130** 



AWQ - 105 Pro

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## **4 Needle Technique**

The location can be on the hands or feet. Today I will demonstrate this technique on the feet. If performed on the hands, use the same steps and principles.

This is a 4-needle technique. You will insert 2 needles above where your patient says their neuropathy is and two needles below their neuropathy.

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## **Only Treat One Area at a Time**

Even if your patient has multiple areas of neuropathy, only treat one area at a time. This means if your patient has neuropathy in both feet or hands, pick only one. I ask the patient what affected area is the worst, then I treat that area.

This treatment is preformed by itself. Don't treat any other conditions the patient may have on that day. Have them come back to address those issues at that time.

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This protocol works well for any type of neuropathy. I use it for neuropathy of the hands and feet. Today I will demonstrate how it's applied on the foot. For hands, use the principle, two needles above and below your patient's neuropathy. I always place two needles (even if it's only in the hand) at elbow level. I find that works well for me.

The pictures on the following pages show where the neuropathy is on this patient. (Editors note, this patient is a model and doesn't have neuropathy.)

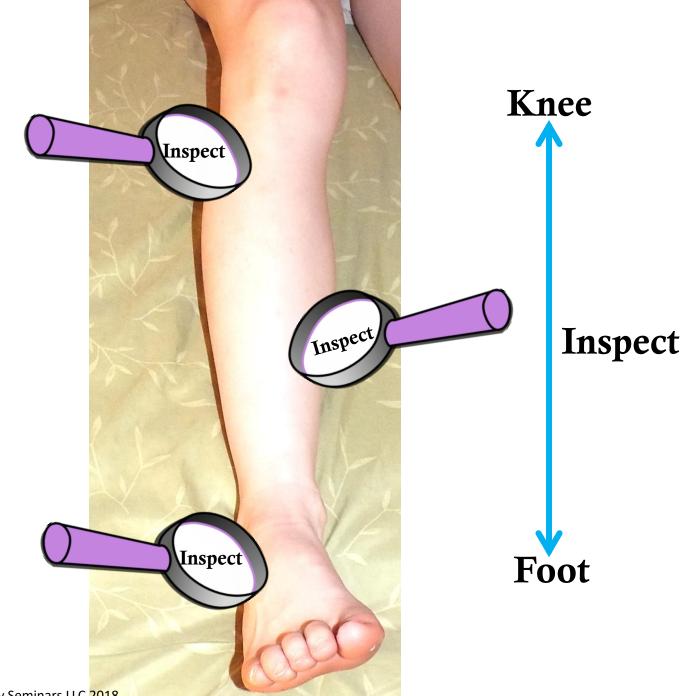
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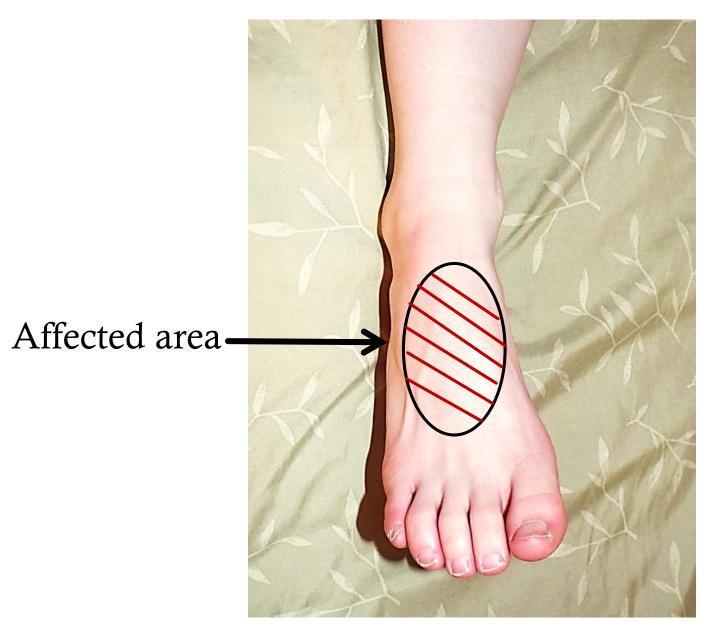
### **Inspection and Exam**

Even if your patient tells you the exact area of where they are feeling their neuropathy, you still would inspect the whole lower leg. If you are treating hands, inspect from the hand up to the elbow. If your patient's neuropathy extends up the whole arm, start at the hand and work up to their shoulder.

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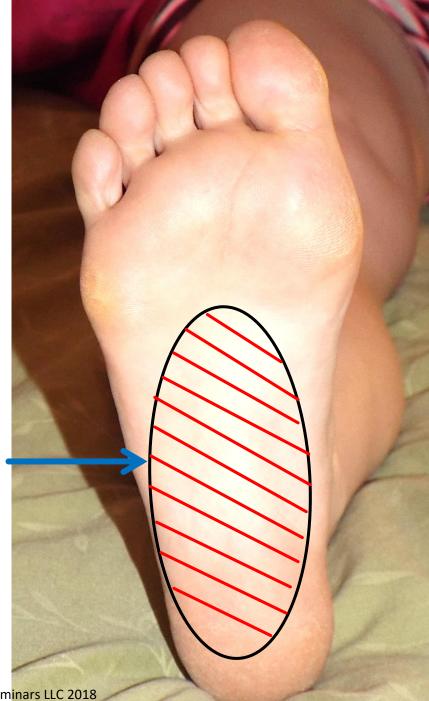


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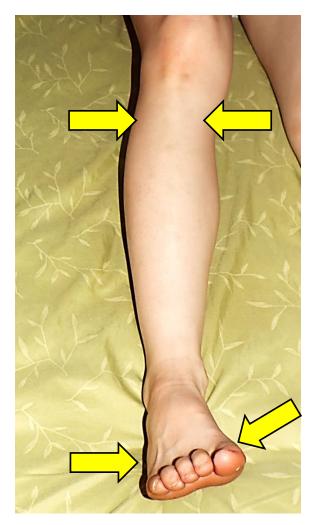
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#### After you Inspect the whole lower leg, place the needles above and below where your patient's neuropathy is located



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Once you find the area that's affected by neuropathy in your patient, place 4 needles (2 needles above and 2 needles below that effected area) in **non-acupuncture points** and **off the meridian**.

Place all 4 needles as close to the bone as you can. Touching the bone is just fine. The closer to the bone you get, the better the results will be. When connecting the electrodes, cross the negative and positive over the leg for each electrode (see following pages.)

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## **Pictures**

The following pages show needle placement for this patient's neuropathy. Each patient will have different affected areas. The key is to place the needles above and below these areas.

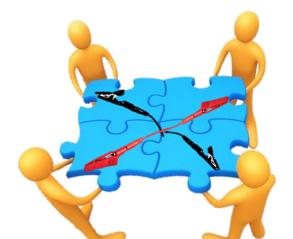
Remember that these areas should be off the acupuncture points and meridians, for the best results.

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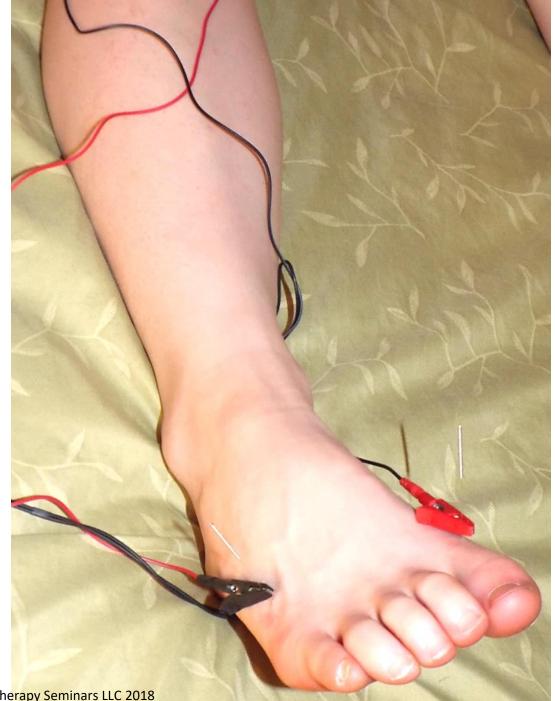
## **Crossing the Electrodes**

Once you find your points and insert the needles, you are now ready for the most important part of this protocol, crossing the electrodes. This is done by taking one lead and clipping it on a needle. Then you will clip the other lead on the needle that is on the opposite side of the leg from the first needle.

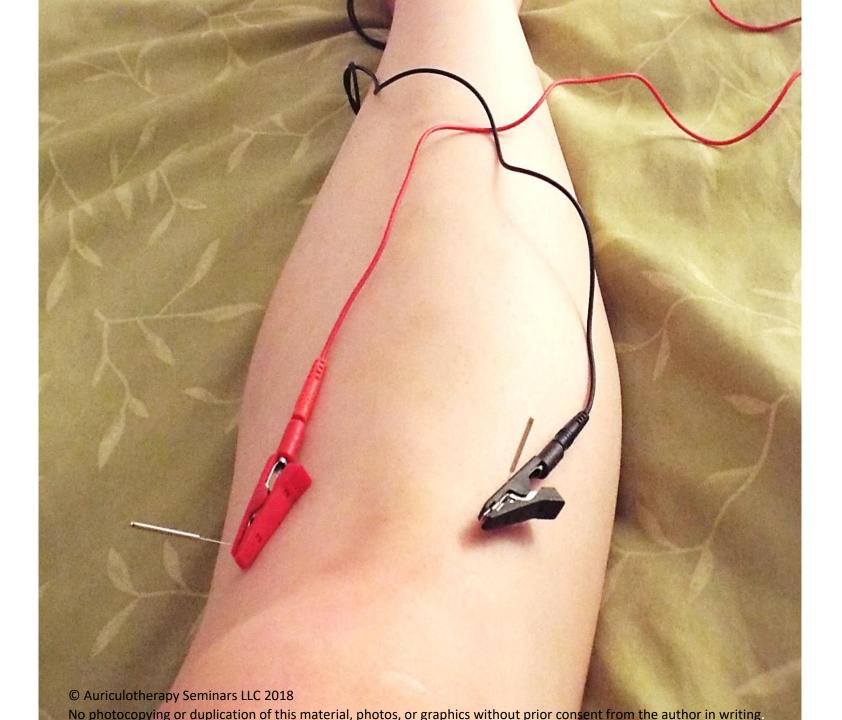
The leads should make and "X" over the (in this case) middle of your patients shin. On the following pages you'll see how this is done.

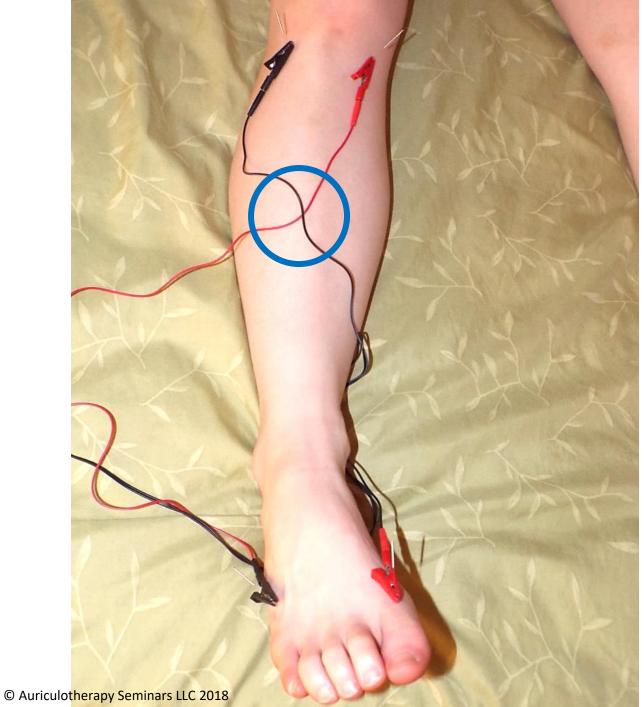
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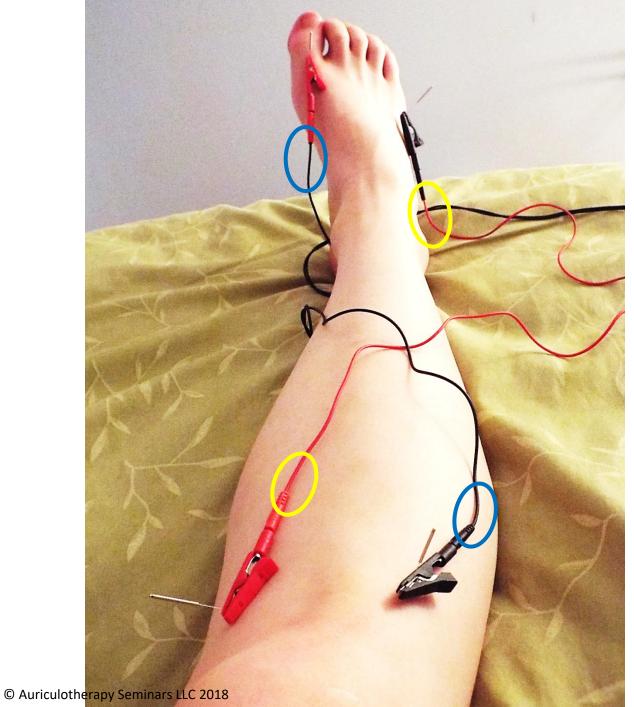
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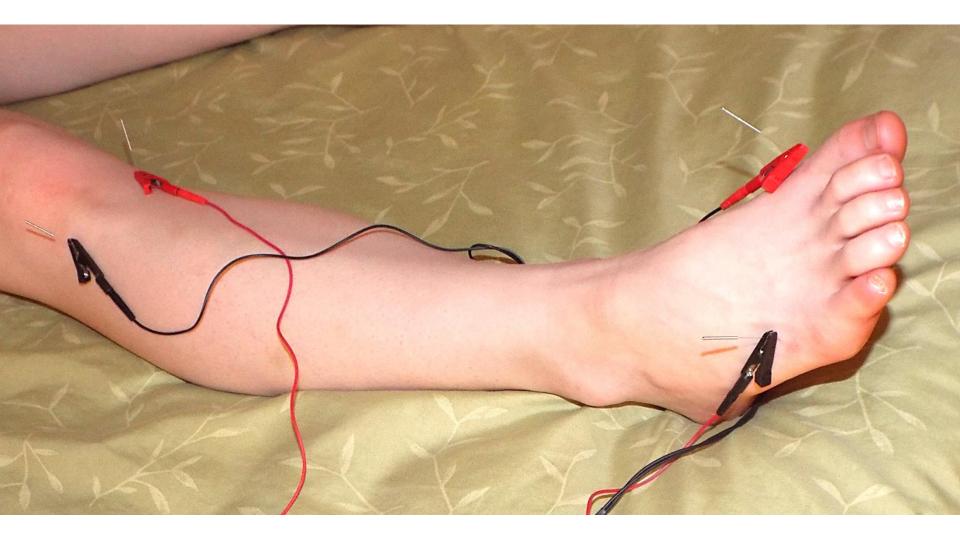


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## **The Electric Stim Machine**

Once all four of your needles are inserted, make sure your E-stim machine is set to deliver 2 Hz for 30 minutes.

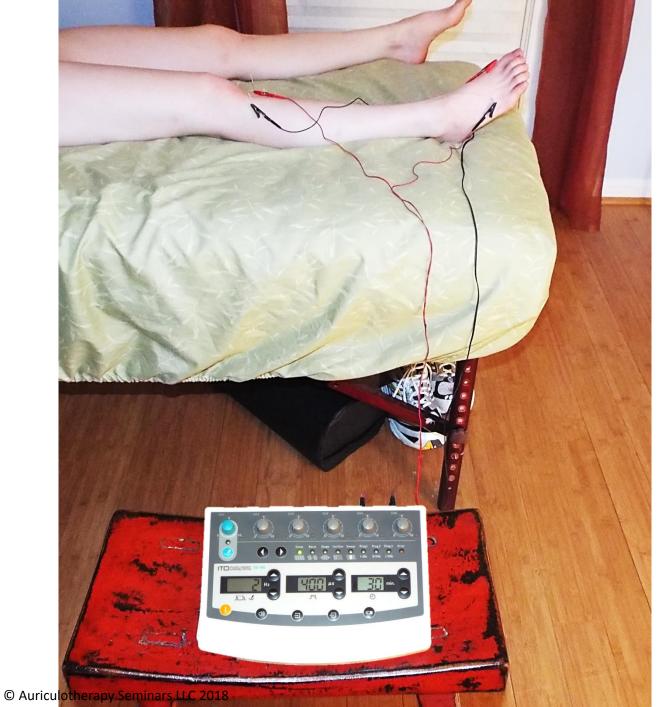
Turn on your machine and ask your patient to let you know when they start to feel the stimulation. Once they can feel it, bring the intensity up to where it's strong but comfortable. If your patient can't feel the stimulation, don't exceed 5 out of 10 on the intensity dial.

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#### Set at 2 Hz for 30 Minutes



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### **Frequency and Duration**

Your patient's neuropathy will start to feel better as they are coming off the table. For best results, have your patient come in twice a week for this treatment.

Your patient will feel much better after 3 to 4 treatments. I receive the best and maximum results after 5 to 8 treatments. This technique will transform your patient's life.

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