



Volunteers with *Chemotherapy Induced Peripheral Neuropathy (CIPN)* needed for a research study (MC15C1)

Mayo Clinic is seeking volunteers to receive different therapies called Scrambler therapy and TENS therapy to see if patients get relief and how much relief they get from their normal CIPN numbness, tingling, and/or pain.

You may be eligible to participate if you:

- Have tingling and/or pain from CIPN for 3 months or longer
- Completed neurotoxic chemotherapy at least 3 months ago and do not plan on having neurotoxic chemotherapy in the next 5 months
- Are 18 years of age or older

If you agree to be in this study you will need to be able to stay in Rochester, MN for 2 weeks at least one time for treatments. We will ask you to complete questionnaires while receiving therapy and then for 8 weeks after you finish therapy. You may also be asked to participate in other tests for us to better evaluate your response. These tests include a blood test, functional MRI (Magnetic Resonance Imaging), and/or QST (Quantitative Sensory Testing). The therapies and other tests will be provided as part of the study but patients will not be paid to be part of this study.

For more information contact:

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I apologize for the delay in answering your email. I was bombarded the beginning of February with emails and I missed it.

We are still looking for patients for the study. If they are in the Twin Cities network too that would be great since, no flying needed! Here's some information for you to share with others:

Scrambler therapy was developed in Italy for chronic pain. It works on many types of chronic pain and neuropathy types, however it is like a medication where not all meds work for every person with a problem (similar to Tylenol doesn't work for every person). As long as a patient doesn't have an obvious physical ailment causing the pain (like a broken arm) then it may help. There are some things we avoid when treating including patients who have installed medication pumps (insulin pumps), installed devices (heart defibrillators), recent heart issues, and a history of seizures because there is an unknown risk that we have not researched.

We have 2 options currently at the Mayo Clinic in Rochester, MN. The first is being treated with the Scrambler for any chronic pain or neuropathy. Patients are treated for 2 weeks (10 business days) with the Scrambler. This is done in an outpatient pain clinic and charged \$300 per treatment. Not all insurance companies will cover it, but the CPT code to ask your insurance company if you wish is 0278T. If patients are new to Mayo, they need to be seen by a primary or internal medicine physician within Mayo to get a referral because this clinic is an "internal" clinic which does not allow for outside referrals. If there is interest in this option, patients can contact me if they have general Scrambler questions, but they will need to go through the referral process since I work with the research aspect of it and cannot help to get them into the clinic (even though I wish I could!).

The second option is a research trial. This is for patients who have been diagnosed with chemotherapy-induced peripheral neuropathy and willing to wean off of any gabapentin or pregabalin medications they may be taking. This study is comparing a TENS machine and the Scrambler to see if one of them stands out for symptom relief. Patients are randomly chosen by a computer to get either the TENS or Scrambler then are treated for 2 weeks. If patients are randomized to the TENS, they are trained to use it and then treat themselves at home for 2 weeks; if they are randomized to the Scrambler, then patients get treated for 10 business days over 2 weeks in Rochester, MN. At the end of that time, patients are followed by weekly questionnaires (over the phone and by mail) for 8 weeks. After the 8 weeks, patients can try the other treatment if they are still eligible (still have neuropathy symptoms and no major health changes). These treatments are free of charge and patients will not be paid to be part of this study (we will not pay for transportation, hotel, or meal expenses while on study either) but would require at least 1-3 visits to Rochester with one of them needing patients in town for 2 weeks every business day. Both treatments are topical (nothing is inserted into the body) and use pads similar to what is used when patients have an ECG. If this is an option that people are interested in discussing further, they can contact me. I will need some medical records showing the person's history, current medication list, and details related to the neuropathy pain (such as tests, physician's notes, etc.). These can either be faxed or emailed to me.

If there are other questions or information you would like, feel free to email me. I have also attached a patient flyer we use. Thank you for your interest and again I apologize for my delay!

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