

Optimization of Spinal Cord Stimulation for Motor Function After Spinal Cord Injury

NEW CLINICAL OFFERING AT MAYO CLINIC

Executive Summary:

This newly established clinic will deliver **state-of-the-art spinal neuromodulation in synergy with individualized rehabilitation** to enhance motor function for individuals with chronic spinal cord injury (SCI). Clinical care will focus on task-specific motor training while optimizing epidural stimulation (ES) parameters in patients with permanently implanted systems to improve motor functions and achieve personal goals.

What to expect:

- All spinal cord stimulation devices will be considered.
- Initial visit with SCI physician to determine appropriateness for the program.
- Physical Therapy (PT) evaluation to identify specific goals related to SCI.
- Baseline characterization of ES parameters to determine motor activation profiles across leg muscles.
- Participate in 9 additional PT sessions focused on improving individualized motor functions, such as seated trunk stability, reaching, standing, and stepping.
- Additional PT visits will be requested if progress is being made towards identified personal goals.

How do I get started?

Potential patients' primary care providers should send referrals to Mayo Clinic via <https://www.mayoclinic.org/medical-professionals/provider-relations/refer-patient>. Once the referral has been sent to Mayo Clinic, the Appointment Office will reach out to you to initiate the next steps. **A referral from a primary care provider is necessary to initiate a visit.**