

Evaluation of the Safety and Efficacy of a Full-Body Electrostimulation Garment for Individuals With Neurological and Neuromuscular Conditions That Cause Spasticity, Hyperreflexia, and Pain

NCT07132775

Status	RECRUITING
Phase	Not Applicable
Sponsor	Shirley Ryan AbilityLab
Enrollment	15 participants

Plain Language Summary

This study is testing a full-body electrical muscle stimulation (EMS) suit — a wearable device that uses low-level electrical impulses to stimulate muscles — in people with neurological conditions that cause spasticity (muscle stiffness), pain, or exaggerated reflexes, including multiple sclerosis and fibromyalgia.

****You may be eligible if...****

- You are 18–75 years old
- Your doctor has cleared you for physical activity
- You experience muscle spasticity, pain, or hyperreflexia due to a neurological condition, OR you have been diagnosed with multiple sclerosis or fibromyalgia
- If you have MS: you can walk independently or with support, have not had a relapse in 3 months, and show measurable spasticity

****You may NOT be eligible if...****

- You have a pacemaker or metal implants in the areas being stimulated
- You are pregnant
- You have epilepsy or a seizure disorder
- You have active skin conditions, wounds, or inflammation in areas the suit covers
- You are currently having a flare-up of MS

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (13)

- Age 18 to 75 years old
- Medical clearance from physician
- Individuals who experience spasticity, pain, or hyperreflexia due to neurological or neuromuscular conditions or individuals with a diagnosis of Multiple Sclerosis or Fibromyalgia
- For participants with a diagnosis of Multiple Sclerosis:
 - having a definite diagnosis for at least one month
- ... and 8 more (see full listing online)

Exclusion (4)

- Implanted medical devices or equipment which can be disrupted by magnets (ex. Shunts)
- Swollen, infected, or inflamed areas or skin eruptions (e.g., phlebitis, thrombophlebitis, varicose veins, etc.) in areas where the suit will be used
- No established somatic or neuropsychiatric diagnosis prior to enrollment in the study

<https://clinicaltrials.gov/study/NCT07132775>

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at [ClinicalTrials.gov](https://clinicaltrials.gov). Generated by [ClinicalTrialsFinder.org](https://clinicaltrialsfinder.org).

- Pregnant and/or nursing

Locations (1 total)

Shirley Ryan AbilityLab, Chicago, Illinois, United States