

# Harnessing Neuroplasticity of Postural Sensorimotor Networks Using Non-Invasive Spinal Neuromodulation to Maximize Functional Recovery After Spinal Cord Injury

NCT06213012

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<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	The Methodist Hospital Research Institute
<b>Enrollment</b>	60 participants

## Key Eligibility Criteria

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### Inclusion (18)

- All participants must be able to provide a provision of a signed and dated informed consent form.
  - Stated willingness to comply with all study procedures and availability for the duration of the study.
  - Male or female, aged 22-75 years old.
  - Documentation from the participant's primary treating physician confirming a stable medical condition.
  - Inability to maintain standing independently without external support due to SCI AIS A-C.
- ... and 13 more (see full listing online)

### Exclusion (18)

- Ability to maintain standing independently without external support.
  - Currently involved in another rehabilitation training of the lower extremities.
  - Active pressure sores, unhealed bone fractures, peripheral neuropathies, or painful musculoskeletal dysfunction (including but not limited to contractures in the upper and lower extremities).
  - Any ongoing medical condition which would preclude participant from regular physical activity (including but not limited to: cardiopulmonary disease, uncontrollable autonomic dysreflexia or orthostatic hypotension, active urinary tract infections, pregnant or nursing).
  - Intrathecal baclofen pump therapy for spasticity not compatible with 3T MRI.
- ... and 13 more (see full listing online)

## Locations (1 total)

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Houston Methodist Hospital, Houston, Texas, United States