

# Closed-Loop Deep Brain Stimulation for Refractory Chronic Pain

NCT04144972

---

<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	University of California, San Francisco
<b>Enrollment</b>	12 participants

## Key Eligibility Criteria

---

### Inclusion (18)

- Age 22-80 years old
  - Clinical diagnosis of a refractory chronic pain syndrome including
  - post-traumatic pain syndromes (e.g. root avulsions, nerve crush injuries, spinal cord injury)
  - postsurgical pain syndromes (e.g., postmastectomy syndrome, post-thoracotomy syndrome, phantom limb pain, post-surgical spinal pain)
  - postherpetic neuralgia
- ... and 13 more (see full listing online)

### Exclusion (14)

- Major medical co-morbidities increasing the risk of surgery including uncontrolled hypertension, coagulopathy, severe diabetes, major organ system failure, active infection or history of implant related infections, immunocompromised state or malignancy with  $< 5$  years life expectancy
  - Presence of cardiac pacemakers/defibrillators, implanted medication pumps, intra-cardiac lines, any intracranial implants (e.g., aneurysm clip, shunt, cochlear implant, electrodes) or other implanted stimulators not compatible with RC+S system
  - Pregnancy or breast feeding: all women of child bearing potential will have a negative urine pregnancy test prior to undergoing their surgical procedure.
  - Active depression (BDI  $> 20$ ), Suicide attempt  $\leq 12$  months or imminent suicide risk, or other untreated or uncontrolled psychiatric illness that evaluating psychiatrist would recommend exclusion of patient after neuropsychiatric evaluation.
  - History of substance abuse in past 3 years
- ... and 9 more (see full listing online)

## Locations (1 total)

---

University of California, San Francisco, San Francisco, California, United States

---

<https://clinicaltrials.gov/study/NCT04144972>

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).