

# Diagnosis Value of Interoceptive EEG Indicators by Rectal Stimulation in DoC

NCT07208942

**Status** RECRUITING  
**Sponsor** YiLin Zhao  
**Enrollment** 45 participants

## Plain Language Summary

This study explores whether brain activity (EEG) measured in response to gentle internal body sensations — like mild rectal pressure — can help doctors better understand the level of awareness in patients with disorders of consciousness (such as those in a coma or vegetative state).

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

- You are 18 or older
- You have a disorder of consciousness that has lasted at least 28 days (non-acute stage)
- You have had no fever or infection in the past 15 days
- You have not taken sedatives or gut-motility drugs recently
- Your family has provided consent on your behalf

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

- Your condition stems from a developmental psychiatric or neurological disorder
- You have untreated epilepsy or brain swelling
- Your vital signs are unstable
- You have a history of bowel disease or abdominal surgery (beyond simple appendectomy)

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

## Key Eligibility Criteria

### Inclusion (6)

- Patients with non-acute Disorders of Consciousness (DoC) (disease course e 28 days).
- Aged 18 years or older.
- No symptoms of fever, infection, or other similar conditions within 15 days.
- No use of sedatives within 15 days.
- No use of any drugs that may alter gastrointestinal motility within 7 days prior to testing.

... and 1 more (see full listing online)

### Exclusion (7)

- Patients with functional impairments caused by developmental psychiatric disorders or neurological diseases.
- Patients with untreated epilepsy.
- Untreated cerebral edema.
- Patients with unstable vital signs.
- A history of intestinal diseases.

... and 2 more (see full listing online)

## Locations (2 total)

<https://clinicaltrials.gov/study/NCT07208942>

The Second People's Hospital of Hefei, Hefei, Anhui, China

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