

Repetitive Transcranial Magnetic Stimulation and Postoperative Neurocognitive Recovery

NCT06482749

Status	RECRUITING
Phase	Not Applicable
Sponsor	Peking University First Hospital
Enrollment	568 participants

Key Eligibility Criteria

Inclusion (4)

- Aged ≥ 65 years;
- Patients with preoperative mild to moderate cognitive impairment, defined as $9 < \text{Montreal Cognitive Assessment (MoCA)} < 26$;
- Scheduled for elective non-cardiac surgery under general anesthesia, with an expected surgical duration of > 2 hours;
- Expected to stay in hospital for at least 5 days after surgery.

Exclusion (6)

- Left-handed;
- Primary school education level or below;
- Comorbid diseases including mental illness, intellectual disability, auditory and visual dysfunction, language impairment, severe neurological disorders, or other diseases that impede the completion of evaluation;
- Neurosurgery;
- Presence of contraindications to rTMS treatment, including epilepsy, pregnant or lactating women, or with a metal or electric implanted device (e.g., deep brain stimulator, ventriculoperitoneal shunt, aneurysm clip, pacemaker, cochlear implant, or surgical staples on the scalp);
- ... and 1 more (see full listing online)

Locations (3 total)

Peking University First Hospital, Beijing, Beijing Municipality, China
Peking University Shenzhen Hospital, Shenzhen, Guangzhou, China
Xijing Hospital, Air Force Medical University, Xi'an, Shannxi, China