

Effect of Transcranial Direct Current Stimulation on Postoperative Delirium in Elderly Patients

NCT06678529

Status	RECRUITING
Phase	Not Applicable
Sponsor	Huazhong University of Science and Technology
Enrollment	160 participants

Key Eligibility Criteria

Inclusion (1)

- (1) aged \geq 65 years; (2) scheduled for elective hip fracture, including femoral head fractures, femoral neck fractures, intertrochanteric or subtrochanteric fractures, femoral head replacement, total hip arthroplasty, or open or closed reduction; (3) platelet count $>$ $80 \times 10^9/L$; (4) ASA classification \leq Grade III; (5) Mini-Mental State Examination (MMSE) scores \geq 18 points (13); (6) willingness to participate and sign the informed consent form.

Exclusion (1)

- (1) severe mental disorders, (e.g., depression or schizophrenia requiring medication treatment); (2) cranial or scalp injuries; (3) history of symptomatic cerebrovascular disease, including stroke, transient ischemic attack; (4) compound injuries, multiple fractures, periprosthetic fractures, and hip joint revisions; (5) drug or alcohol abuse; (6) severe visual or hearing impairments; (7) history of epilepsy or intracranial metal implants; (8) severe cardiovascular disease history and liver dysfunction, or kidney dysfunction; (9) coagulation abnormalities; (10) severe chronic obstructive pulmonary disease; (11) participation in other clinical studies within the past 3 months.

Locations (1 total)

Shanxi Bethune Hospital, Taiyuan, Shanxi, China