

Decreasing Preoperative Stress to Prevent Postoperative Delirium and Postoperative Cognitive Decline in Cardiac Surgical Patients.

NCT05036538

Status	RECRUITING
Phase	Not Applicable
Sponsor	Heart and Brain Research Group, Germany
Enrollment	125 participants

Key Eligibility Criteria

Inclusion (2)

- Elective cardiac surgery (coronary artery bypass surgery, aortic or mitral valve replacement/reconstruction, or combination surgery) with standardized extracorporeal circulation.
- A sufficiently good knowledge of German is necessary as neuropsychological tests are language-dependent.

Exclusion (8)

- History of acute clinically relevant cognitive impairment of any cause (e.g., dementia, depression, stroke, multiple sclerosis) that may impair neuropsychological evaluation.
- Contraindications to the presentation of binaural beats or visual stimuli (e.g., epilepsy),
- Significant hearing loss or astigmatism, which may interfere with optimal perception of auditory and visual stimuli.
- Taking sedatives on the day of surgery.
- Unwilling to participate in the relaxation procedure or neuropsychological testing due to deteriorating health, lack of motivation, or other reasons.

... and 3 more (see full listing online)

Locations (1 total)

Kerckhoff Heart Center, Heart and Brain Research Group, Bad Nauheim, Hesse, Germany