

Does computer based cognitive retraining influence cognitive function, activities of daily living and rehabilitation outcomes of orthopaedic patients? A Comparative Study.

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Status RECRUITING
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Enrollment 100 participants

Plain Language Summary

When older adults recover from orthopaedic surgery or injury in a rehabilitation unit, their recovery can sometimes be complicated by mild cognitive impairment — difficulty with memory, attention, or problem-solving. This study is investigating whether computer-based cognitive therapy exercises, done during their rehabilitation stay, can help these patients improve their thinking skills and ultimately recover more fully in their day-to-day activities.

Participants admitted to a rehabilitation unit following orthopaedic surgery or injury who have mild cognitive impairment (assessed using the Montreal Cognitive Assessment) will either receive standard rehabilitation care or add computer-based cognitive therapy to their program. The study will compare outcomes including cognitive function, ability to perform daily activities, and overall rehabilitation progress between the two groups.

You may be eligible if you are aged 65 to 85, are admitted to the rehabilitation unit following an orthopaedic injury or surgery, and have a mild cognitive impairment score on a standard assessment. People with pre-existing diagnosed cognitive impairment or those unable to provide their own consent are not eligible. This study is particularly relevant for older adults who want to actively support their mental as well as physical recovery after a procedure.

Key Eligibility Criteria

Inclusion (1)

- Score on the Montreal Cognitive Assessment between 19-25, admitted and discharge from the rehabilitation unit after an orthopaedic injury or surgery,

Exclusion (1)

- pre-existing cognitive impairment, younger than 65 or older than 85 years, unable to provide consent

Locations (1 total)

Greenslopes Private Hospital - Greenslopes, QLD, Australia