The effects of adding neuromuscular electrical stimulation to standard inpatient rehabilitation on quadriceps strength and physical function in individuals with total knee replacement

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Status	RECRUITING
Sponsor	Yong Hao Pua
Enrollment	100 participants

Plain Language Summary

This study is testing whether adding neuromuscular electrical stimulation (NMES) — a treatment that uses gentle electrical pulses to activate muscles — to standard rehabilitation after a total knee replacement helps people recover faster. After a knee replacement, patients often have significant long-term weakness in the thigh muscle (quadriceps), which limits physical activity. Researchers want to see if NMES can help rebuild strength sooner.

You may be eligible if:
- You are 50 years of age or older
- You are having a total knee replacement because of knee osteoarthritis

You may NOT be eligible if:
- Your knee replacement is due to a traumatic injury or rheumatoid arthritis
- You have back, foot, or ankle pain worse than your knee pain
- You have a skin condition or numbness that would prevent electrode use
- You have had a stroke or another neurological condition
- You could not walk short distances on your own before the surgery

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (1)

- Patients undergoing unilateral total knee replacement due to symptomatic knee osteoarthritis

Locations (1 total)

Singapore, Singapore

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at anzctr.org.au. Generated by ClinicalTrialsFinder.org.