

Effect of Untact Upper Extremity Rehabilitation Using Smart Glove for Late Subacute and Chronic Patients With Brain Disorder

NCT06837324

Status	RECRUITING
Phase	Not Applicable
Sponsor	Samsung Medical Center
Enrollment	40 participants

Key Eligibility Criteria

Inclusion (4)

- Patients with brain disorder aged 19 to 85 years old
- patients with hemiparesis lasting for more than 3 months due to neurological diseases (stroke, traumatic brain injury, brain tumor) and impaired upper limb function
- Patients with spasticity of the wrist and finger flexors and extensors on the affected side, with a Modified Ashworth Scale (MAS) score of 1+ or lower
- Participants with sufficient cognitive function to understand the instructions from the researcher and the smart glove, and to perform the tasks (K-MMSE e21)

Exclusion (9)

- pre-existing significant neurogenic disorders
- major psychiatric disorders such as schizophrenia, bipolar disorder, or dementia
- History of diseases that caused pain or muscle atrophy in the affected upper limb before the onset of the neurological disease, which interfered with rehabilitation
- Severe spasticity of the affected upper limb (Modified Ashworth Scale score e3)
- skin disorders or open wounds on the affected upper limb
- ... and 4 more (see full listing online)

Locations (1 total)

Samsung Medical Center, Seoul, South Korea