

# The Effect of a Muscle-mimicking, Fabric-type Shoulder Orthosis on Functional Movements of the Upper Limb in Patients With Neuromuscular Disorder

NCT06363357

---

<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	Seoul National University Hospital
<b>Enrollment</b>	30 participants

## Key Eligibility Criteria

---

### Inclusion (9)

- Patients with a confirmed diagnosis of a neuromuscular disease (NMD) by genetic testing, muscle biopsy, or electrodiagnostic studies, presenting with prominent upper limb muscle weakness. Examples include:
  - Muscular Dystrophies: Duchenne/Becker Muscular Dystrophy (DMD/BMD), Limb-Girdle Muscular Dystrophy (LGMD), Facioscapulohumeral Muscular Dystrophy (FSHD), etc.
  - Motor Neuron Diseases: Spinal Muscular Atrophy (SMA, Types 2 and 3), Amyotrophic Lateral Sclerosis (ALS, upper limb-dominant), etc.
  - Peripheral Neuropathies: Charcot-Marie-Tooth (CMT) disease, etc.
  - Other Neuromuscular Conditions: Including but not limited to cervical spinal cord injury.
- ... and 4 more (see full listing online)

### Exclusion (4)

- Unwillingness or inability to provide informed consent.
- A score of 1 or 6 on the Brooke Upper Extremity Functional Rating Scale.
- Cognitive impairment severe enough to interfere with the proper use of a shoulder orthosis.
- Any other condition which, in the opinion of the investigator, would make study participation inappropriate or unsafe for the patient.

## Locations (1 total)

---

Seoul National University Hospital, Seoul, Jongno-gu, South Korea