

Frequency-Dependent Effects of Percutaneous Femoral Nerve Stimulation on Quadriceps Strength in Athletes With Patellar Tendinopathy

NCT07237867

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| Status | RECRUITING |
| Phase | Not Applicable |
| Sponsor | Hospital Clinic of Barcelona |
| Enrollment | 19 participants |

Key Eligibility Criteria

Inclusion (7)

- Adults aged 18 to 40 years.
 - Recreational or competitive athletes with clinically diagnosed patellar tendinopathy for at least 3 months.
 - Ultrasound-confirmed patellar tendinopathy, including hypoechoic areas, tendon thickening, or neovascularization consistent with clinical diagnosis.
 - Presence of pain during tendon-loading activities (e.g., jumping, running, squatting).
 - Ability to perform maximal voluntary isometric contractions of the quadriceps.
- ... and 2 more (see full listing online)

Exclusion (9)

- Previous knee surgery or traumatic knee injury within the past 12 months.
 - Complete or partial patellar tendon rupture.
 - Neurological disorders affecting lower limb strength or motor control.
 - Contraindications to electrical stimulation, including implanted electrical devices (e.g., pacemaker).
 - Current lower-limb radiculopathy or neuropathy.
- ... and 4 more (see full listing online)

Locations (1 total)

Blanquerna University, Barcelona, Barcelona, Spain