

# Multimodal Investigation of Cortico-Basal Ganglia-Thalamo-Cortical Network Dynamics in Dystonic Patients With Deep Brain Stimulation

NCT06716983

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**Status** RECRUITING  
**Sponsor** Fondazione I.R.C.C.S. Istituto Neurologico Carlo Besta  
**Enrollment** 15 participants

## Key Eligibility Criteria

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### Inclusion (3)

- Patients diagnosed with idiopathic or genetic dystonia who have already undergone DBS surgery of the globus pallidus internus
- Patient implanted with a neurostimulator capable of chronically recording LFPs and which is fully compatible with magnetic fields up to 3 Tesla.
- Age > 12 years

### Exclusion (5)

- Evidence of CNS pathology or any other acquired conditions (perinatal, infective, toxic, neoplastic, vascular, psychogenic) responsible for the dystonia phenomenology,
- Focal distribution of dystonia
- Contraindications to brain MRI or EEG/MEG
- Adult subjects unable to express consent to inclusion in the study
- Pregnancy, and breastfeeding.

## Locations (1 total)

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Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy