

# Movement Disorder

Movement disorders are neurological conditions that affect speed, fluency, quality, and ease of movement.

[Essential tremor](#) (ET) is one of the most common movement disorders, affecting nearly 5% of individuals over 65 years old.

## Classification

[Movement Disorder Classification.](#)

## Pathophysiology

Over the past years, research into the [neurophysiology](#) of the [basal ganglia](#) has provided new insights into the pathophysiology of [movement disorders](#). The presence of pathological oscillations at specific frequencies has been linked to different signs and symptoms in PD and [dystonia](#), suggesting a new model to explain basal ganglia dysfunction. These advances occurred in parallel with improvements in imaging and neurosurgical techniques, both of which having facilitated the more widespread use of [DBS](#) to modulate dysfunctional circuits. High-frequency stimulation is thought to disrupt pathological activity in the motor cortex/basal ganglia network; however, it is not easy to explain all of its effects based only on changes in network oscillations <sup>1)</sup>.

## Treatment

[Movement Disorder Treatment.](#)

<sup>1)</sup>

Guridi J, Alegre M. Oscillatory activity in the basal ganglia and deep brain stimulation. *Mov Disord*. 2016 Aug 22. doi: 10.1002/mds.26714. [Epub ahead of print] Review. PubMed PMID: 27548437.

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