

# Frequently Asked Questions

Being diagnosed with a movement disorder can be full of unknowns. Our team of movement disorder specialists is experienced in the use of a range of advanced therapies, including focused ultrasound (FUS), deep brain stimulation (DBS) or stereotactic radiosurgery (SRS) that can be personalized to your unique needs.

## What is focused ultrasound?

FUS is an incisionless procedure that can be used to provide immediate improvement in tremor disorders or in the treatment of Parkinson's disease. FUS uses ultrasound waves guided by magnetic resonance imaging (MRI) to target the area of the brain responsible for tremors without the need for incisions or permanent implants.

## What are the benefits of FUS?

- **Incisionless treatment**
  - Focused ultrasound allows sound waves to pass safely through the skull with no incisions.
  - No general anesthesia required
  - Little to no risk of infection
  - Convenient outpatient setting
- **Tremor Improvement**
  - Immediate post-procedure tremor improvement
  - Improved quality of life<sup>1</sup> and functional ability<sup>2</sup>
  - Durable tremor improvement
- **Parkinson's disease symptom improvement**
  - Improvement in motor symptoms

## What movement disorders are treated with FUS?

- Essential tremor
- Parkinson's disease

## Who may qualify for FUS?

- Diagnosis of essential tremor or Parkinson's disease
- Inadequate response to medications
- Able to undergo MRI imaging
- Individuals without certain exclusionary medical conditions

<sup>1</sup> Premarket Approval P150038, CE mark received: [www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpma/pma.cfm?id=P150038](http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpma/pma.cfm?id=P150038)

<sup>2</sup> Premarket Approval P150038-S022, CE mark received: [www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpma/pma.cfm?id=P150038S022](http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpma/pma.cfm?id=P150038S022)

**To speak with our team about FUS, contact us at:**

**Phone:** 615-875-5645 or 615-322-0141 | **Email:** [movementdisordertherapies@vumc.org](mailto:movementdisordertherapies@vumc.org)