The Department of Neurology at Barrow Neurological Institute, chaired by Jeremy Shefner, MD, PhD, consists of more than 40 neurologists who provide compassionate and skilled patient care across 11 subspecialties.

Barrow consistently ranks as a top center in the United States for neurological care, training, and research. The Institute treats more patients with the clot-busting drug tPA than any other hospital in the country and launched the nation’s first mobile stroke unit to operate 24/7 in a city exceeding 1 million people.

Barrow neurologists have pioneered outreach programs, including Barrow Brainbook for high school concussion education and the Domestic Violence Traumatic Brain Injury Program. The Muhammad Ali Parkinson Center at Barrow is the largest treatment and outreach center in the Southwest for movement disorders.

Barrow also offers more than 320 clinical trials and is one of a handful of participants in the National Institutes of Health’s Network for Excellence in Neuroscience Trials (NeuroNEXT).

### What We Treat:

- Alzheimer’s Disease and Cognitive Disorders
- Amyotrophic Lateral Sclerosis (ALS) and Neuromuscular Diseases
- Brain Tumors
- Concussions and Brain Injuries
- Epilepsy
- Migraines and Headache Disorders
- Multiple Sclerosis and Neuroinflammatory Diseases
- Optic Nerve Disorders
- Parkinson’s and Movement Disorders
- Stroke
- Vestibular Disorders

### Tests and Treatments:

- Autonomic Testing (Tilt with Valsalva, QSART)
- Balance Testing (VNG, vHIT, VEMP, Posturography, Tilt Table, Audiometry)
- Canalith Repositioning Procedure (Epley Maneuvers) for Vertigo
- Deep Brain Stimulation (DBS)
- Electromyography (EMG)
- Electroencephalography (EEG)
- Evoked Potentials (Visual, Somatosensory, Auditory)
- Headache Treatments (Botox, DHE)
- Infusions, Nerve Blocks
- Inpatient Epilepsy Monitoring Unit
- Intraoperative Monitoring
- Magnetoencephalography (MEG)
- Neuro-ophthalmology Testing (Humphrey Visual Field, OCT, Others)
- Neurological Infusions
- Ultrasound for Peripheral Nerve Disorders
- Ventriculoperitoneal Shunt Valve Reprogramming (All Types of Valves)

### Department of Neurology

- **Jeremy Shefner, MD, PhD, Chair**
  - ALS
  - Neurovascular
- **Lynn S. Ashby, MD**
  - Neurovascular
- **Sana Aslam, DO**
  - Movement Disorders
- **Damian Berezovsky, MD**
  - Neuro-Ophthalmology
- **Aimee Borazanci, MD**
  - Neuro-Immunology

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