The Department of Neurology at Barrow Neurological Institute, chaired by Brad A. Racette, MD, FAAN, delivers skilled and compassionate care across 12 subspecialties. The Department boasts innovative clinical programs, including brain injury care for domestic violence survivors, a 24/7 mobile stroke unit, and a neuroendocrinology clinic.

Barrow consistently ranks as a top center nationwide for neurological care, training, and research. Its neurologists have a strong commitment to health equity, demonstrated through community partnerships that bring neurologic care to underserved populations. The Department is also a leader in developing outreach programs, such as recreational therapies for Parkinson’s disease, Barrow Brainbook for high school concussion education, and Alzheimer’s disease care partner support services.

Physician-scientists at Barrow perform cutting-edge research in neuroepidemiology, data science, neuroimaging, neuropathology, brain injury, and Alzheimer’s. Barrow offers more than 320 clinical trials and participates in the NIH’s Network for Excellence in Neuroscience Trials (NeuroNEXT).

### What We Treat:

- Alzheimer’s Disease and Cognitive Disorders
- Amyotrophic Lateral Sclerosis (ALS) and Neuromuscular Diseases
- Concussions and Brain Injuries
- Epilepsy
- Migraines and Headache Disorders
- Multiple Sclerosis and Neuroinflammatory Diseases
- Neurocritical Care
- Neuroendocrine Disorders
- 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
- Botox (Dystonia, Spasticity, Hemifacial Spasm, Drooling)
- 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 (continued)