

profile



St. Joseph's Hospital and Medical Center
Barrow Neurological Institute®
A member of CHW

BARROW

Overview

Barrow Neurological Institute at St. Joseph's Hospital and Medical Center is an internationally renowned medical center that offers care for people from throughout the world with brain and spine diseases, disorders and injuries. Robert Spetzler, MD, one of the world's leading cerebrovascular neurosurgeons, is the director of the institute. *U.S. News & World Report* routinely lists St. Joseph's as one of the top 10 best hospitals in the nation for neurological and neurosurgical care.

Mission

To advance the knowledge and practice of medicine in neuroscience through basic and clinical research, education of medical professionals, and innovation in clinical techniques and technology.

Centers, Clinics and Specialty Areas

Neurosurgery

- Acoustic Neuroma Center
- Craniofacial Center
- Functional and Stereotactic Neurosurgery
- Hypothalamic Hamartoma Center
- Meningioma Center
- Normal Pressure Hydrocephalus Clinic
- Pediatric Neurosciences
- Pituitary/Neuroendocrine Center
- Radiosurgery Center (Gamma Knife® & CyberKnife®)
- Skull Base Center
- Spine Center
- Vascular Center (Cerebrovascular & Endovascular Neurosurgery)

Neurology & Neuro Rehabilitation

- A.B. & Anne Robbs Stroke Center
- Alzheimer's Center
- Balance Center
- Barrow Resource for Acquired Injury to the Nervous System (B.R.A.I.N.S. Clinic)
- Center for Transitional Neuro-Rehabilitation
- Epilepsy Center
- Ina Levine Brain Tumor Center
- MDA/ALS Center
- Muhammad Ali Parkinson Center
- Bruce and Deborah Downey Neuro Rehabilitation

Center

- Spinal Cord Wellness Clinic
- Pediatric Neurogenetics

Neuroscience Research Laboratories

- Neurosurgery
- NeuroImmunology
- Neuro-Oncology
- Neurobiology
- Neurochemistry
- Neurogenetics
- Pain Research
- Thermoregulation
- Epilepsy Research
- Visual Perception

Facts

Admissions each year10,000
 Neurosurgeries each year6,000

In 2006, Barrow greatly enhanced its standards of patient care with the addition of the Barrow Neuroscience Tower, a 430,000-square-foot tower that's dedicated to neurological and neurosurgical patients. The tower features:

Neuro Operating Rooms11
 Neuro Intensive Care Unit
 (ICU) Rooms64
 Neuro Telemetry (Stroke and Spine
 Units) Rooms32
 Neuro Acute Care Rooms48
 Spine Acute Care Rooms10
 Adult Epilepsy Monitoring Unit Rooms ..10
 Pediatric Epilepsy Monitoring Unit Rooms 5

Faculty

Adult Neurosurgeons19
 Pediatric Neurosurgeons2
 Adult Neurologists23
 Pediatric Neurologists9
 Neuro Radiologists9
 Neuro Anesthesiologists12
 Neuro Pathologists2
 Neuro Psychologists8
 Pediatric Neuropsychologists1

Medical Education

Post-Graduate Training

Neurosurgery Residents	25
Neurosurgery Fellows	4
Adult Neurology Residents	18
Pediatric Neurology Residents	9
Neurology Fellows	5
Neuro Radiology Fellows	9
Neuro Psychology Residents	7

Barrow's Neuroscience Publications Office publishes more than 10,000 pages of academic material each year including the *Barrow Quarterly* and over 200 peer-reviewed journal articles, books and chapters written by Barrow physicians and scientists.

Research

Barrow actively participates in clinical and basic neuroscience research to further the prevention and treatment of brain, nerve and spinal cord diseases and injuries. The program emphasizes translational medical research that can be applied directly from bench to bedside.

Patients have the opportunity to participate in clinical research studies to receive the latest therapeutic treatment for a broad range of neurological disorders. More than 400 clinical trials are currently underway throughout the hospital.

As more clinical discoveries are made, the research conducted at Barrow is becoming more specialized. For example, researchers are placing a heavy emphasis on genetics, helping to identify the specific genes for conditions such as epilepsy and brain tumors. Such research promises lead to improved diagnoses and treatments.

Community Outreach

Because brain and spinal cord injuries are among the most devastating and preventable injuries, Barrow's mission includes an extensive community outreach program dedicated to education and prevention. Barrow's programs reach thousands of children, adults and medical professionals each year by sponsoring educational programs and support groups on a variety of topics. These include:

- Helmet Your Head, a safety program that focuses on the prevention of traumatic brain injuries.
- Oliver Otter, a program that teaches children and adults the importance of following good water safety.
- The Stroke Prevention Program, which offers informative presentations and educational materials to increase awareness of the causes, signs and symptoms of stroke.
- Support groups for patients and families on a variety of neurological diseases and conditions.

- The Scientific Enrichment Program for Students, which offers a variety of opportunities for high school students to participate in and learn about research.
- The Barrow Connection, which provides resources for people with cognitive and physical disabilities to help them live active lives.

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