

The ETMC Neurological Institute offers specialists in these fields:

- occupational medicine
- pain management
- sleep medicine
- ear, nose and throat medicine
- neurology
- pediatric neurology
- neuropsychology
- neuroradiology
- neurosurgery

The ETMC Neurological Institute is part of the East Texas Medical Center Regional Healthcare System, a network of hospitals, clinics and services.

ETMC is a not-for-profit healthcare system dedicated to improving the quality of life in communities throughout East Texas.



*East Texas Medical Center
Regional Healthcare System*

1-800-728-2702

www.etmc.org/neuro

Advancing care. Enhancing life.
Giving back to East Texas.



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Sleep Disorders Center

A good night's sleep

Sleep disorders can be life-threatening, warned Raymond Perkins, MD, medical director of the ETMC Sleep Disorders Center. Obstructive sleep apnea, for instance, is a major cause of high blood pressure and a risk factor for type 2 diabetes.

Certified labs throughout the ETMC system offer overnight sleep evaluations. Using that information, physicians can identify sleep disorders and get East Texans the help they need—from medication to mechanical devices to surgeries—to reclaim the sleep necessary to good health.



Pain Management Center

Freedom from pain

Here the focus is on non-surgical methods of addressing back pain, neck pain and headache. This center has been instrumental in numerous clinical trials for surgical and non-surgical treatment of back pain through minimally invasive techniques.

Kenneth Kemp, MD, a specialist in physical medicine and rehabilitation, said, "I enjoy trying to teach people ways that they can manage their pain on their own, not relying on medicines and not giving up hope."

Movement Disorders Center

Giving back control



The Movement Disorders Center provides the latest diagnostic and therapeutic technologies to restore motor skills to people with Parkinson's disease, essential tremor and a host of related conditions.

George Plotkin, MD, is a nationally recognized expert in Parkinson's. He notes that the disease afflicts about 10 percent of the population over age 70. "This is not a rare disorder, and with the baby boomers coming through, there's going to be essentially an epidemic of Parkinson's."

One key procedure is deep brain stimulation, in which electrodes are surgically implanted in the patient's brain to control tremor-causing signals. ETMC Tyler was the first and is still the only East Texas hospital to offer the procedure, which is performed by neurosurgeon Mark Renfro, MD.

Neurosurgery and Spine Surgery

Bringing patients back from the edge



The board-certified neurosurgeons at the institute perform a wide variety of neurological procedures on the brain, spine and nervous system. That means patients and their families don't have to travel long distances for these specialized surgeries.

An important new tool is CyberKnife® stereotactic radiosurgery. This is no-incision, robotic surgery that directly attacks tumors by delivering high levels of radiation with sub-millimeter accuracy. Tumors previously considered inoperable now can be safely treated with this outpatient procedure.

Neurosurgeon Thomas Graham, MD, called the CyberKnife "probably the most technologically advanced surgical equipment I have ever seen."

"It's a surgical tool with very, very low risk," said neurosurgeon Paul Detwiler, MD, medical director of the ETMC Neurological Institute.



Certified Stroke Center

A community commitment

Because East Texas has one of the highest stroke mortality rates in the state, the ETMC Neurological Institute took steps to become the first stroke center in the region to be certified by The Joint Commission. The institute excels in all areas: education, prevention, treatment and rehabilitation.

Significant breakthroughs have been made in immediate stroke treatment. Neurointerventional radiologist Kurt Reuland, MD, performs innovative procedures to clear blockages from blood vessels in the brain and prevent permanent damage.

"It's very rewarding when you save them from having a catastrophic stroke," Dr. Reuland said. "They're either going to die or go to a nursing home for the rest of their life. If you can prevent that from happening, it's an incredible victory."



Giving East Texans back their quality of life

The ETMC Neurological Institute is a remarkable team of more than 25 physicians, fellowship-trained in the nation's most prestigious medical centers and backed by the resources of the ETMC Regional Healthcare System.

Physicians on this team give to their profession. Paul Detwiler, MD, medical director of the ETMC Neurological Institute, and Jon Ledlie, MD, have served as president of the Texas Association of Neurological Surgeons. George Plotkin, MD, is a clinical associate professor at the University of Texas Health Science Center and lectures widely on movement disorders. The institute's doctors give their time to serve in the ETMC Tyler Level I trauma center, where they treat severe head and spine injuries.

Most of all, these physicians offer treatments that give patients with a wide range of neurological disorders back their quality of life.