About Creighton Medical Associates

Creighton Medical Associates (CMA) is a network of physicians and support staff who are part of Creighton University, one of 28 Jesuit colleges and universities in the nation. Every day, nearly 200 CMA physicians provide high-quality primary and specialty care to patients at Creighton University Medical Center and in offices located throughout the Omaha metropolitan area. Our mission is to provide excellent, cost-effective care to our patients and to support the academic mission of the Creighton University School of Medicine and Creighton University Medical Center.
Creighton Epilepsy Center

The Creighton Epilepsy Center is dedicated to the treatment and education of patients with epilepsy, providing a multidisciplinary approach to the physical and emotional needs of patients with seizures. The center is led by Sanjay P. Singh, M.D., an internationally recognized expert in the treatment of epilepsy.

What is Epilepsy?
Epilepsy is a chronic seizure disorder, and anyone who has two or more unprovoked seizures has epilepsy. There are two main types of seizures. The most common is a partial seizure in which an “electrical storm” originates in part of the brain. Less common is a generalized seizure which involves the whole brain. Treatments differ based on the type of seizure.

Nearly 60 percent of epilepsy patients respond to medications. In some instances surgery is needed to find the area of the brain giving rise to seizures and, if the area is not responsible for any vital functions, surgically removing the malfunctioning area of the brain (seizure focus).

The final option is a vagal nerve stimulator, an FDA-approved form of treatment for epilepsy patients who cannot be treated with medication alone.

Services
Proper identification of the type of seizure as well as the precise location of the malfunctioning area of the brain is critical in the treatment and management of epilepsy. The Creighton Epilepsy Center provides state-of-the-art procedures to ensure the best treatment for each patient.

- Video-electroencephalography (VEEG), magnetic resonance imaging (MRI), positron emission tomography (PET), and single photon emission computed tomography (SPECT) scans. These tests help identify the location of the seizure focus point.
- WADA testing. WADA testing localizes a patient’s language and memory function to identify patients who are candidates for epilepsy surgery.
- Intracranial monitoring. Electrodes are placed directly on the brain to localize seizure onset area. This test is only used for a select few patients when further localization is needed to clearly define the seizure onset area.
- Surgery. Surgery is performed to remove the malfunctioning area.
- Vagal nerve stimulation. A pacemaker is implanted in a patient’s chest. Leads are placed on the vagus nerve in the neck, which sends frequent electrical impulses to the brain to alleviate seizures.

Creighton Epilepsy Center Professional Staff

SANJAY P. SINGH, M.D.
Neurologist and Epileptologist
Director, Creighton Epilepsy Center
Chair of Neurology, Creighton University School of Medicine

BLANCA MARKY, M.D.
Neurologist
Assistant Professor, Neurology

KAREN BREMER, M.D.
Neurologist
Assistant Professor, Neurology

The Center’s professional team also includes neurosurgeons, neuroradiologists, a neuropsychologist, a neuropharmacist, a nurse coordinator, nurses and EEG technicians, all specializing in the diagnosis and/or treatment of patients with epilepsy.

Epilepsy Support Group

The Creighton Epilepsy Center is proud to offer the Nebraska Epilepsy Support Group at Creighton, an epilepsy support group that provides hope and knowledge to epilepsy patients and their family members.

This group meets on the third Tuesday of every month (except December) from 7 p.m. to 9 p.m. at Creighton University Medical Center, Suite 5300. Free parking is available.