

DETAILED BRAIN FUNCTION MAPPING
EPILEPSY TREATMENT
GREATER OPERATING PRECISION
BRAIN MALFUNCTION IDENTIFICATION

THE MEG
(MAGNETOENCEPHALOGRAPHY)
SCANNER

HOPE IS HERE

The Nebraska Medical Center operates one of the few MEG centers in the country

WHAT DOES IT DO?

The MEG scanner measures magnetic fields generated by the brain's neuronal activity-can detect brain activity in much greater detail and with more accuracy than previous testing methods. For instance, if a person moved his finger, the MEG would allow doctors to see what part of the brain told the finger to move.

WHO BENEFITS?

MEG is potentially the most helpful tool for treating patients with neurological illnesses like epilepsy. The MEG will allow doctors to explore and gain a better understanding of other neurological and psychiatric diseases like depression, schizophrenia, autism, Alzheimer's, Parkinson's and dementia.

IMMEDIATE USES

This MEG will give doctors the ability to identify where the brain is malfunctioning with increased precision; it will provide neurosurgeons greater precision when operating; and it will give epileptologists an increased ability to identify where the brain is malfunctioning.

“This is the most advanced testing tool for brain function that is known to man.”

Sanjay Singh, MD, director of Nebraska Epilepsy Center