

OVERVIEW: VITUITY NEURODIAGNOSTIC SERVICES

Your Neurodiagnostic Lab Without Walls

Comprehensive Services from Highly Trained Neurologists

Due to rising demand from an aging population and a limited supply of neurologists, it's difficult for hospitals to have sufficient in-house neurodiagnostic-trained specialists to provide services. This results in delays in diagnosis and treatment, leading to poorer clinical outcomes and increased costs.

Our Capabilities

At Vituity, we offer a suite of neurodiagnostic services and take a collaborative approach to bring your neurologists and staff together.

EEG Monitoring: Our fellowship-trained neurophysiologists are available 24/7 to support your hospital's diagnostic EEG needs. We also provide long-term EEG monitoring in the ICU for early identification and management of neurological deterioration. Long-term outpatient EEG monitoring is also available as a cost-effective way to diagnose seizure disorders and other neurological conditions.

Intraoperative Monitoring: Working closely with technicians in the operating room, our neurologists provide real-time remote monitoring to quickly bring neurological changes to the surgeon's attention to improve outcomes. Following surgery, our physicians provide interpretation and documentation into your hospital's EHR.

Specialty Diagnostic Services: To help you develop a comprehensive neurosciences center, we provide specialty neurodiagnostic support, including deep brain stimulation, an epilepsy monitoring unit, vagal nerve stimulation, and transcranial doppler.

“We are at a new and rapidly advancing horizon of monitoring the nervous system in the OR, ICU, and on the floor. This leads to more accurate diagnosis in a timely manner, better outcome for the patients, and less cost to the healthcare system.”

Yafa Minazad, DO, Vituity Vice President of Operations, Acute Neurology

Benefits

- **Timely results**—Receive interpretation of studies with 24/7 neurophysiologist coverage.
- **Enhanced quality**—Benefit from fellowship-trained experts for accurate interpretation of studies.
- **Cost efficiency**—Deliver expert diagnostic services without the cost of hiring a full-time neurologist.
- **Easy startup**—Utilize your hospital's existing neurodiagnostic equipment and EHR for efficient program launch.
- **Reduce risk and liability**—Ensure legal compliance and patient safety with medical director oversight.
- **Enhance surgical care**—Augment your spine, interventional, cardiovascular, trauma, and other specialty surgical care.

Customized Services to Fit Your Needs

Our neurodiagnostic services provide the level of support your hospital requires. Vituity physicians become an extension of your team and comply with all medical staff rules. Together, we tailor solutions to meet your needs.



Interpretation of diagnostic studies

Vituity's neurophysiologists partner with your hospital to provide professional interpretation services. We offer 24/7 coverage or supplemental coverage to your on-site team.



Technical component expertise

We can work with your existing neurodiagnostic technical infrastructure or we can help you build technical capabilities. Our support can include equipment selection, quality and competency evaluations for technologists, and program policies and procedures development.



Medical director and program development

For more robust support, a neurodiagnostic medical director works hand-in-hand with you to build your hospital's program. Services include setting up your lab, hiring and training technologists, establishing clinical competencies for technologists, and developing program policies and procedures. We can also help you meet prestigious EEG lab accreditation requirements.

Comprehensive Neurology Services

Vituity's neurodiagnostic services are part of our integrated in-person and telehealth acute neurology solutions. We can assist with building a comprehensive neurology program, achieving Joint Commission stroke certification, or expanding your capabilities while providing a seamless emergency and inpatient experience.

Supported by strong medical leadership, robust analytics, and a national network, we work as part of your team to deliver exceptional care with efficiency.

About Vituity

As a physician-owned partnership, Vituity's 5,000 doctors and clinicians drive positive change in healthcare and deliver integrated acute care to nearly 8 million patients nationally.

Did You Know?

70%

of misdiagnosed or mistreated epilepsy patients could live seizure free.¹

44% shorter

length of stay in the neuro-ICU is observed when patients receive long-term EEG monitoring.²

3X

utilization of intraoperative monitoring (IOM) in recent years has reduced morbidities associated with high-risk surgeries.³

1. Nowack WJ. Epilepsy: a costly misdiagnosis. Clin Electroencephalogr 1997; 28: 225-8.

2. Vespa PM, Nenov V, Nuwer MR. Continuous EEG monitoring in the intensive care unit: early findings and clinical efficacy. J Clin Neurophysiol 1999a; 16: 1-13.

3. Research synthesized by Vituity neurologist Dr. Shahla Moghbel (comparison of data 1995 to 2019).

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