

Telling Our Story

NEURODIAGNOSTIC TECHNOLOGISTS

- Neurodiagnostic Technologists work in doctors' offices, outpatient clinics, with inpatients, patients' residences, and in operating rooms.
- Our profession performs diagnostic testing on a patient's nervous system.
- Neurodiagnostic testing includes electrical brain activity from the brain in its entirety, as well as areas of the brain involved with hearing, vision, movement, and sensation.
- The health of a patient's nervous system relies on Neurodiagnostic Technologists knowing how to correctly record data from the nervous system because a physician will interpret and use that data to help in the diagnosis of the patient.
- Neurodiagnostic Technologists knows what is normal and abnormal in brainwave readings and is able to quickly notify the physician for immediate treatment. In some situations, this quick recognition by the technologist and physician notification will prevent irreversible damage to the patient.
- Neurodiagnostic Technologists recognize activity not generated by the nervous system that can mimic abnormalities. In recognizing this they can eliminate it or document it so it is not incorrectly interpreted as an abnormality that can lead the physician to make an incorrect diagnosis.
- Neurology patients can be challenging due to the nature of the disorder. They may have an altered mental state as the result of dementia, stroke, CJD, autism or traumatic brain injury. Neurodiagnostic Technologists are able to work with patients in these difficult circumstances to get a good study for the physician to interpret.
- Surgeons will order neuro monitoring in the operating room during brain or spinal cord surgery. Neurodiagnostic Technologists know which area and nerves to monitor and how to obtain clean interpretable waveforms for a physician to see. In some surgeries, this will prevent the patient from being paralyzed during the procedure.

We are advocating for a credentialed, qualified workforce to ensure patients are **safe**.

We are advocating for a credentialed, qualified workforce because it places assurances that the person taking care of you or your loved one's nervous system has demonstrated that they have the **knowledge** and **competency** to perform the best recording on the nervous system.



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