# ISSUED May, 2012

# SUPERSEDES Electroneurodiagnostic Technologist

# TITLE Advanced Electroneurodiagnostic CLASSIFICATION GRADE 07

# Technologist SPECIALTY GRADE 59

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###### BASIC FUNCTION AND RESPONSIBILITY

Perform complex electroneurodiagnostic procedures and/or perform comprehensive evaluation of neuromuscular disorders for a specific patient population requiring judgment and initiative to elicit and display information for the interpreting physician. Participate in teaching, evaluating and advising students, residents/fellows, and staff.

###### CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Perform complex procedures in a laboratory, operating room, patient bedside, off-site/ambulatory setting, and/or nuclear medicine center to include; somatosensory evoked potentials, transcranial motor evoked potentials, multimodality intraoperative monitoring, long term intensive care monitoring and EMU monitoring.

Construct and import patient specific montages to guide localization of epileptic foci to include intracranial grid/strip and stereotactic depth electrodes, as well as digital spectral array.

Analyze ongoing EEG data to assist during time sensitive nuclear medicine procedure. Understand acquired nerve conduction data and apply appropriate techniques to provide diagnostic outcomes based on individual patient needs to include motor nerve conductions, sensory nerve conductions, F-waves, and H-reflexes.

Perform other advanced techniques, blink reflexes, repetitive nerve stimulation, short and long exercise tests used to diagnose neuromuscular disorders as needed.

Assure and maintain competency in expertise in area of specialization.

Support quality patient care through orientation and staff education.

Interpret on-going data and evaluate procedure and techniques used to elicit and display patient’s condition to physicians and surgeons.

Responsible for quality control of equipment; recognizing malfunction, trouble shooting and or alerting appropriate staff.

Participate in on call/call back coverage.

Serve as a resource capacity to faculty, staff, patients and the community proving expert knowledge and behavioral skills that impact clinical practice and patient outcomes.

Maintain records and data archival system.

Participate in the instruction of electroneurodiagnostic students, electrophysiology fellows, medical residents and other staff in methods of electroneurodiagnostic technology.

Participate continue in and educational opportunities by attending meetings, participating in professional organizations and review journals and publications.

*In addition to the duties and responsibilities noted above, the position description must include statements from*[*UI Health Care Core Values (WECARE)*](https://uihc.org/mission-vision-and-core-values)*for Health Care positions or*[*Universal Competencies*](https://hr.uiowa.edu/careers/competencies/universal-competencies)*for all other positions.*

SUPERVISION RECEIVED

Supervision is received from the Advanced Electroneurodiagnostic/Intraoperative Technologist or other designated official.

###### SUPERVISION EXERCISED

Functional supervision is exercised over support staff and students.

QUALIFICATIONS

Requires completion of a 24 month END Technology program or other applicable program, or an equivalent combination of education and experience.

American Board of Registration of Electroencephalographic Technologists in Electroencephalogram (REEGT) is required.

Certification by at least one of the following is required:

* American Board of Registration of Electroencephalographic Technologists in Neurophysiology Intraoperative Monitoring (CNIM).
* American Board of Registration of Electroencephalographic Technologists in Long-Term Monitoring (CLTM)
* American Association of Electrodiagnostic Technologist in Nerve Conduction Study Technology (R.NCS.T)
* American Board of Electrodiagnostic Medicine in Nerve Conduction Technology (CNCT)

Must be able to take call and call back up. Must be on the hospital premises within 1 hour of time, when on call.

Must be able to work independently

Excellent written and verbal communication skills are required.