


Name of Policy:	<u>EEG Monitoring for Ictal SPECT</u>	 Effective Date: 6/1/2020 Initial Effective Date: 3/10/2004
Policy Number:	3364-138-13	
Department:	Neurodiagnostics	
Approving Officer:	Associate VP of Patient Care Services UTMC	
Responsible Agent:	Manager, Neurodiagnostics	
Scope:	The University of Toledo Medical Center Neurodiagnostics	
<input type="checkbox"/> New policy proposal <input type="checkbox"/> Major revision of existing policy		<input type="checkbox"/> Minor/technical revision of existing policy <input checked="" type="checkbox"/> Reaffirmation of existing policy

Purpose of procedure to provide guidelines for the EEG technologist.

1. Scheduling:

- a. The patient is admitted for LTME on Monday, the week of observation. The date of admission must be confirmed with the Lead EEG Technologist and Nuclear Medicine department.
- b. Contact nursing unit to reserve a fixed LTME room.

2. Admission:

- a. Electrodes should be applied using the International 10-20 system, including T1, T2, F9, F10, T9, T10, P9 and P10. All electrodes should be attached using collodion.
- b. Notify Nuclear Medicine to confirm patient arrival and verify time to start observation on Tuesday.
- c. Nursing unit will need to start 2 IV's, preferably contralateral arms prior to the start time.

3. Observation Days:

- a. EEG Technologist will check all electrode impedances prior to the arrival of Nuclear Medicine technologist.
- b. RN will verify patency of IV's prior to Nuclear Medicine tech arrival.

4. Seizure Occurs:

- a. If any seizure is noted by EEG technologist, they are to notify the Nuclear Medicine technologist to inject the isotope. It is preferable to inject only for complex partial seizures or the patient's typical seizure.
- b. Note the time of injection and flush on the recording.
- c. Call RN charge at onset of seizure.
- d. Allow the patient to record for at least 5 minutes after the seizure or until baseline activity is resumed.
- e. Disconnect electrode cable and transfer the patient to Nuclear Medicine for SPECT.

5. No seizure during observation day:

- a. If the patient does not have a seizure during the allotted time, the EEG Technologist will contact the ordering neurologist to verify the need for next observation day.
- b. Call Nuclear medicine to set up start time for next day, if needed.

Approved by:

Review/Revision Date:

