


Name of Policy:	Electrode Application and Removal Technique	 Effective Date: 6/1/2020 Initial Effective Date: 5/27/2014
Policy Number:	3364-138-06	
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

Electrodes should be placed according to the International 10-20 system along with additional electrodes as ordered by physician.

Electrode Application:

1. The patient's head must be measured and marked using a china marker.
2. Marked areas should be cleansed with light abrasive skin prep.
3. Electrodes are applied with a conductive paste or gel and secured with cotton gauze or adhesive tape.
4. Collodion and imaging friendly electrodes should be used for all inpatient monitoring or scheduled LTM patients.
5. Electrode impedances should be measured and reduced to under 10 Ko hms.
6. Interelectrode impedances should be within 5 Kohms.
7. A1 & A2 are to be applied to the ear lobe or mastoid process.
8. An EKG lead should be applied to right and left upper chest.
9. Empty collodion tubes should be discarded in a flameproof oily waste can.

Electrode Removal:

1. Remove electrodes per manufacturer's recommendations, depending on application.
2. Empty acetone cans should be discarded in a flameproof oily waste can.
3. Electrodes should be cleaned and disinfected according to Cleaning & Disinfecting electrodes, procedure 138-07.

Approved by:	Review/Revision Date:
/s/ _____ Cynthia Zapotosky, BSN, RN Manager, Neurodiagnostic	05/27/2014 06/01/2017 5/29/2020
/s/ _____ Monecca Smith, MSN, RN Associate Vice President of Patient Care Services	
Next Review Date: 6/1/2023	
Policies Superseded by This Policy:	