


<b>Name of Policy:</b>	<u>Hyperventilation during EEG</u>	 <b>Effective Date:</b> 6/1/2020 Initial Effective Date: 5/27/2014
<b>Policy Number:</b>	3364-138-17	
<b>Department:</b>	Neurodiagnostics	
<b>Approving Officer:</b>	Associate VP of Patient Care Services UTMC	
<b>Responsible Agent:</b>	Manager, Neurodiagnostics	
<b>Scope:</b>	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

Activation procedures are performed during an EEG to induce, enhance, or better define abnormal EEG patterns. The most commonly used activation procedures are hyperventilation, photic stimulation, and sleep. Activation procedure should be used whenever possible and not medically contraindicated.

Hyperventilation (HV) is breathing deeply to exhale all the air, at a rate of 18-24 breaths per minute for 3-5 minutes.

1. Demonstrate, as well as explain, to the patient how to perform hyperventilation.
2. Explain the possible expected normal changes. Which include dizziness, lightheadedness, tingling in the fingers, toes and around the mouth
3. HV should be performed on every patient, unless contraindicated.
  - a. Contraindications include
    - i. Intracranial hemorrhage
    - ii. Increased intracranial pressure
    - iii. Pregnancy
    - iv. History of Stroke or TIA
    - v. History of aneurysm
    - vi. Sickle cell
    - vii. Recent myocardial infarction
    - viii. Significant cardiopulmonary disease, COPD
    - ix. Uncontrolled or active asthma
    - x. Moyamoya disease
    - xi. Inability to cooperate
    - xii. Refusal

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Policies Superseded by This Policy: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