

## **Supplemental Low Flow Oxygen Titration – June 2017**

*This core competency is not intended to be all-inclusive and may require modification to meet facility requirements. This document is intended to serve as a template and be modified to meet individual employer needs.*

**OBJECTIVE:** To describe the knowledge and skills required to analyze sleep recordings and titrate low flow supplemental oxygen during overnight polysomnography.

**OUTCOME ASSESSMENT:** Outcome is determined by clinical and physiologic assessment of adequacy of patient response to therapy. This competency evaluation is an objective assessment of the performance level of the polysomnographic technologist, polysomnographic technician and polysomnographic trainee.

**INSTRUCTIONS:** The evaluator assesses the employee in the performance of the competency, indicating either a **(Yes)** the employee is competent or a **(No)** the employee is not competent with the process. Competency is met when the employee performs the competency according to accepted standards and guidelines. For every **(No)** response, a corrective action plan should be outlined, discussed with the employee with a timeline for retesting, and documented in the comments section.

NAME \_\_\_\_\_

DATE \_\_\_\_\_

EVALUATOR \_\_\_\_\_

*\*Comments: A correction plan and time line for retesting must be documented for each (No) documented.*

<b>Supplemental Low Flow Oxygen Titration</b>	<b>Yes</b>	<b>No</b>	<b>*Correction Plan/ Retesting Date</b>
<b>Patient Assessment</b>			
Review the patient's history and physical and physician orders to determine the need for supplemental oxygen			
Assess patient's need for supplemental oxygen upon arrival in the sleep center using an oximeter			
Assess patient's need for supplemental oxygen during polysomnography using an oximeter			
Validate accuracy of oximeter reading			
<b>Equipment Operation</b>			
Verify correct function of oxygen concentrator and/or flowmeter			
Describe routine maintenance of device filters			
Demonstrate ability to regulate oxygen flow			
<b>Oxygen Interfaces</b>			
Demonstrate ability to fit and adjust a nasal cannula for oxygen delivery			
Demonstrate ability to entrain supplemental oxygen in PAP circuit, with and without humidification devices			
<b>Patient Interaction</b>			
Explain procedure to patient in an age appropriate manner			
Identify impact of patient's physical/mental limitations on the outcome of the procedure			
<b>Supplemental Oxygen Titration</b>			
Recognize when supplemental oxygen is required according to facility protocol			
Identify when to adjust supplemental oxygen to achieve optimal saturation level according			

<b>Supplemental Low Flow Oxygen Titration</b>	<b>Yes</b>	<b>No</b>	<b>*Correction Plan/ Retesting Date</b>
to facility protocol			
Identify events (i.e., respiratory desaturations that do not respond to PAP therapy, cardiac, sleep stage, etc.) indicating a need to implement supplemental oxygen			
Identify when to add supplemental oxygen therapy during PAP therapy according to facility protocol			
<b>Patient Safety</b>			
Demonstrate knowledge of possible side effects of supplemental oxygen therapy			
Identify signs that patient's drive to breathe is diminished and corrective actions that need to be implemented if patient's drive to breathe is affected			
Verify optimal supplemental oxygen level during all sleep stages			
Verbalize protocol for contacting the Medical Director			
<b>Documentation</b>			
Document changes in oxygen levels during PSG in the sleep system and on technical note forms			
Identify, document and correct equipment problems			
<b>Infection Control</b>			
Demonstrate proper disposal of single patient use nasal cannulas, oxygen tubing and/or oxygen masks			
Demonstrate appropriate procedures for cleaning reusable devices used during oxygen titration			