



## Sleep Technology: CORE COMPETENCY

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aastweb.org

### **Monitoring Pulse Oximetry – 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 using a quantifiable method for measurement of oxygen saturation being obtained during overnight polysomnography or using portable overnight oximetry.

**OUTCOME ASSESSMENT:** Outcome is determined by clinical and physiologic assessment of adequacy of the recording and/or patient response to therapy. The following competency evaluation tool provides an objective assessment of the performance of the sleep technology practitioner.

**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.

NAME \_\_\_\_\_

DATE \_\_\_\_\_

EVALUATOR \_\_\_\_\_

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

<b>Monitoring Pulse Oximetry</b>	<b>Yes</b>	<b>No</b>	<b>*Correction Plan/ Retesting Date</b>
<b>Equipment Operation / Calibration</b>			
Demonstrate knowledge of operation of pulse oximeter devices; ability to adjust sampling rate/trend settings			
Demonstrate ability to calibrate pulse oximeter device			
<b>Apply Pulse Oximeter Sensor</b>			
Demonstrate ability to appropriately apply and/or instruct patient in the use of reusable or disposable pulse oximeter sensor allowing for patient comfort, compliance, and			
Demonstrate ability to recognize when improper sensor placement is affecting oximeter reading			
<b>Patient Interaction</b>			
Utilize communication skills appropriate to patient age and physical/mental abilities to explain use of pulse oximetry to patient during pre-testing procedure			
<b>Monitor Oximetry During PSG</b>			
Identify the limitations of the patient monitoring device; recognize artifact in pulse rate and/or oximetry readings			
Recognize and document low baseline oxygen saturation levels			
Recognize oxygen desaturation related to respiratory and/or other events; identify and document corresponding event characteristics (i.e., respiratory, cardiac,			
Verify the accuracy of the pulse oximetry reading and/or recording			
Review and document oxygen saturation levels obtained during oximetry recordings			

<b>Monitoring Pulse Oximetry</b>	<b>Yes</b>	<b>No</b>	<b>*Correction Plan/ Retesting Date</b>
<b>Patient Safety</b>			
Verbalize protocol for contacting the Medical Director			
Identify when to initiate supplemental oxygen according to lab protocol			
<b>Infection Control</b>			
Demonstrate appropriate cleaning and disinfection of permanent interface devices			