

# **Independent Health Facilities**

# Sleep Medicine – Facility & Patient Record Review – Assessors' Checklist

**INSTRUCTIONS:** 

Please complete ( $\checkmark$ ) the attached checklist during the assessment. Ensure that all the questions have been answered. Please do not leave any questions blank. A space has been provided at the bottom of each section for your comments.

Facility Name/No:\_\_\_\_\_

Date:\_\_\_\_\_

Staff ir	n the Facility	Meets	Meets with Recommendations	Does not Meet	N/A
PHYSIC	CIANS				
1.	<ul> <li>Do the physicians providing services meet the expectations as outlined in the parameters and standards?</li> <li>Physicians practicing sleep medicine on or before October 1, 1996</li> </ul>				
	Physicians practicing sleep medicine after October 1, 1996				
	Physicians starting the practice of sleep medicine after September 1, 2008.				
	Physicians practicing in the area of pediatric sleep medicine prior to January 1,2010.				
2.	For physicians who began performing pediatric studies after January 1, 2010, is there evidence that they have obtained the additional training requirements as outlined in the parameters and standards?				
3.	Do physicians obtain a minimum of 25 hours CPD per year directly relevant to the practice of sleep medicine? Are these activities documented?				
TECHN	OLOGISTS				
4.	Has a Technical Director been appointed by the facility?				
	Is the Technical Director registered by the Board of Registered Technologists (BRPT) and hold current certification in BCLS and First Aid?				
6.	Does the Technical Director fulfill the role and responsibilities as outlined on pg 15 of the parameters and standards?				
7.	Does the technical staff employed at the facility meet the qualifications as outlined on pg 15 of the parameters and standards?				
	For technologists performing pediatric studies is there evidence that they have received training (minimum of 3 months) with primary responsibility for the set up data collection and scoring of at least 20 pediatric studies with an experienced technologist?				
8.	Are the technologists who provide direct patient care currently certified in cardiopulmonary resuscitation (BCLS)?				
9.	Do technologists obtain and document at least 25 hours of CME per year directly relevant to the practice of sleep medicine				
10	. For Level 1 studies, does the facility/Technical Director ensure a maximum patient/technologist ratio of 3:1?				

Staff in the Facility	Meets	Meets with Recommendations	Does not Meet	N/A
11. Do the Collecting Technologists ensure the following duties and responsibilities are met:				
Gather, analyze and integrate patient information?				
Explain pre-testing, testing and post-testing procedures to the patient?				
Prepare and calibrate equipment required for testing to determine proper functioning and make adjustments if necessary?				
Apply electrodes and sensors according to accepted published standards?				
Perform appropriate physiologic calibrations to ensure proper signals and make adjustments if necessary?				
Follow procedure protocols to ensure collection of appropriate data?				
Follow "lights out" procedures to establish and document baseline values?				
Perform polysomnographic data acquisition while monitoring study-tracing quality to ensure signals are artifact free and make adjustments, if necessary?				
Provide regular and thorough documentation of physiological activities that occur during the night?				
Provide a summary of the night's observations to include all physiological and polysomnographic events as well as therapeutic intervention as indicated by the physician or facility policies and procedures?				
Follow "lights on" procedures to verify integrity of collected data and complete the data collection process?				
12. Do Scoring Technologists ensure the following responsibilities are met:				
Score sleep/wake stages by applying professionally accepted guidelines?				
Score clinical events according to facility specific protocols as well as providing a documented summary of their findings for the interpreting physician?				
Generate accurate reports by tabulating sleep/wake disorder and clinical event data?				

Qua	Quality Advisor		Meets with Recommendations	Does not Meet	N/A
1.	Is there a designated Quality Advisor (QA)?				
2.	Is there a written agreement in place that acknowledges their role in connection with Quality Assurance and the duties and responsibilities as outlined on pg 12/13 of the parameters and standards?				
3.	Does the QA personally attend the facility at least twice each year, or more frequently, where in the opinion of the QA it is necessary based on the volume and types of services provided in the facility?				
4.	Does the QA document all visits to the facility made in connection with the QA's role?				
5.	Does the QA ensure that a qualified physician is available for consultation during the facility's hours of operation?				
6.	Does the QA seek advice from other health professionals where in the opinion of the QA it is necessary to ensure that all aspects of services provided in the facility are provided in accordance with generally accepted professional standards and provide such advice to the licensee?				
7.	Does the QA chair the Quality Advisory Committee (QAC) meetings?				
8.	Does the QA ensure that the QAC meets as described on pg 12 of the parameters and standards?				
9.	Does the QA ensure that regular agenda items such as review of cases, policies and procedures, quality control matters on equipment, incidents, medical and technical staffing issues are discussed?				
10.	Are all QAC meetings documented?				
11.	Does the QA obtain copies of assessment reports from the licensee; ensure that they are reviewed, and discussed with the QAC?				
	Is there documented evidence that such a review has taken place?				
12.	Has the Quality Advisor fulfilled his duties and responsibilities as outlined with respect to advising the licensee on the facilities' quality management program?				

Policies and Procedures	Meets	Meets with	Does not	N/A
1. Is there a policy and procedure manual for sleep studies available within the facility?		Recommendations	Meet	
FACILITY				
2. Written policies and procedures are in place for the following:				
<ul> <li>Overview of the lab</li> </ul>				
<ul> <li>Scope and limitations of services</li> </ul>				
<ul> <li>Map location of the lab</li> </ul>				
<ul> <li>Floor plan</li> </ul>				
•				
Organizational structure				
General office policies and procedures				-
Patient booking system and clinic patient flow				
New patient process including accepted referral sources; procedure to triage/process referrals and book	ĸ			
appointments; standard procedure for consultation, office visits, diagnostic and treatment services and				
follow-up				
FACILITY STAFF				
Job descriptions including BCLS & CME activities				_
Delegated Acts				
Training of new staff hires				
FACILITY CONTACTS				
> Staff				
Building hydro and security				
Emergencies – Fire, Police, Hospitals				
Vendors				
RECORDS AND COMMUNICATION/REPORTING & PRIVACY PRINCIPLES				
Policies and procedures for record structure, maintenance, storage and destruction				
Confidentiality policies				
Consent and Privacy Policies and Procedures				
Reporting policies and procedures				
Report/chart procedures and standards				<u> </u>
Mandatory reporting to Ministry (see Appendix VIII)				

Policies and Procedures	Meets	Meets with	Does not	N/A
		Recommendations	Meet	
Standard forms including but not limited to:				
Requisitions				
Flow sheets				
Handouts and prescriptions				
• Logs				
<ul> <li>Incident/accident/complaint forms</li> </ul>				
DIAGNOSTIC AND THERAPEUTIC SERVICES (Adult & Pediatric)				
Scope and limitations of services				
Patient preparation				
Methods of performing each test				
Normal values for tests				
Scoring manual (see Appendix IV)				
QUALITY MANAGEMENT				
Refer to Chapter 6 of the parameters and standards to ensure all elements are outlined				
EQUIPMENT MAINTENANCE (Adult & Pediatric)				
Equipment list				
Routine maintenance, validation and calibration of equipment (logs to be maintained separately for these				
procedures)				
INFECTION CONTROL AND PROCEDURES				
Routine practices for infection control as per PIDAC Guidelines				
EMERGENCY PROCEDURES AND SAFETY POLICIES				
Fire and evacuation plan				
General safety and prevention of adverse effects including administration of supplemental gases				
Specific first aid measures and emergency procedures				
Cardiac arrest/respiratory arrest				
Chest pain				
Shortness of breath				
Seizures				
Acute non chest pain				
Other medical emergencies				
Other adverse health effects or non-medical emergencies				
<ul> <li>How to arrange for transfer of patient to a hospital</li> </ul>				

Meets	Meets with	Does not	N/A
	Recommendations	weet	
	Meets	Meets     Meets with Recommendations       Image: Commendation of the second sec	

Facility Equipment and Supplies	Meets	Meets with	Does not	N/A
1. Deep the physical layout of the facility conform to the appropriate municipal and provincial logiclations		Recommendations	Meet	
1. Does the physical layout of the facility conform to the appropriate municipal and provincial legislations				
governing: ➤ Fire safety standards?				
<ul> <li>Accessibility standards?</li> </ul>				
<ul> <li>Accessibility standards?</li> <li>Building standards?</li> </ul>				
<ul> <li>Medical gas systems?</li> </ul>				
<ol> <li>Are the patient bedrooms separate from each other?</li> </ol>				-
<ol> <li>Are the patient bedrooms separate nonreach other?</li> <li>Is each bedroom quiet, with appropriate control of ambient temperature and light?</li> </ol>				-
<ol> <li>Are the washrooms easily accessible to patients?</li> <li>Does all electromedical equipment adhere to the Canadian Electric Codes for Electromechanical Equipment</li> </ol>				
or its equivalent according to the appropriate risk class?				
<ol> <li>Does the laboratory equipment permit the technical staff to monitor each patient unobtrusively and allow</li> </ol>				
the patient to communicate with the technical staff in the event that he/she requires assistance?				
<ol> <li>Is closed circuit TV (infrared or low light) used for continuous audio and visual monitoring and recording each</li> </ol>				
patient?				
8. Are there functional smoke detectors in each bedroom?				-
<ol> <li>9. Are fire extinguishers available in the facility?</li> </ol>				-
<ul> <li>Are the exclusion savalable in the facility?</li> <li>Is there evidence they are checked annually by a Fire Safety Company?</li> </ul>				
<ol> <li>Is the evaluation plan prepared and practiced annually? Is this activity documented?</li> </ol>				-
11. Is the following emergency equipment available in the facility:				-
<ul> <li>Ambubag with mask interface (pediatric mask must be available for facilities performing pediatric</li> </ul>				
studies)				
<ul> <li>Resuscitation Board</li> </ul>				-
<ul> <li>Airway (Adult) (Pediatric if applicable)</li> </ul>				
<ul> <li>First Aid Kit</li> </ul>				
12. For facility's performing Level 1 Sleep Studies and Multiple Sleep Latency tests, are the required equipment				
and test components available? (see pgs 10-11)				
and test components available: (see bgs 10-11)	<u> </u>			L

Facili	ty Equipment and Supplies	Meets	Meets with	Does not	N/A
			Recommendations	Meet	
Pedia	Pediatric Patients (Age 4- 12)				
13.	Is the structure of the laboratory appropriate for children?				
14.	Are study beds equipped with adequate side rails and end guards for patient safety?				
15.	Is a sleep chair or other accommodations available for the parent to sleep with the patient?				
16.	Is appropriate sized equipment available?(belts, $O_2$ probes)				
17.	Is the appropriate resuscitative equipment available? (O <sub>2</sub> delivery systems, resuscitation drugs, dosages, equipment)				

#### Level 1 Sleep Study – Required Equipment and Test Components

Impedances need to be less than 10,000 ohms but less than 5,000 ohms is preferred.

- Electroencephalogram (EEG) The recommended derivations are F4-M1, C4-M1, O2 –M1. The back up derivations are: F3-M2, C3-M2, O1-M2.
- Electrooculogram (EOG) E1-M2 (E1 is placed 1 cm below the left outer canthus); E2-M2 (E2 is placed 1 cm above the right outer canthus)
- Electromyogram –(EMG) Two or three electrodes are placed to record EMG: one midline 1 cm above the inferior edge of the mandible and one 2 cm below the inferior edge of the mandible and 2 cm to the right of the midline and/or 2 cm below the centre of the inferior edge of the mandible and 2 cm to the left of the midline. The standard chin EMG derivation consists of either of the electrodes below the mandible referred to the electrode above the mandible. The other inferior electrode is a backup electrode to allow for continued display of EMG activity if one of the primary electrodes malfunctions.
- Limb Movement EMG: Surface electrodes are placed longitudinally and symmetrically around the middle of the anterior tibialis muscle at least 2 to 3 cm apart or 1/3 of the length of the muscle, whichever is shorter. Both legs are monitored for the presence of the leg movements. Separate channels for each leg are strongly preferred. Sensitivity limits of -100 and 100 uV (upper/lower) are preferred. Use of 60 Hz (notch) filters should be avoided.
- **Respiratory Diagnostics:** The sensor for detection of blood oxygen is pulse oximetry with a maximum acceptable signal averaging time of 3 seconds. The sensor to detect absence of airflow for identification of apneas is an oronasal thermal sensor. The sensor for detection of airflow for identification of a hypopnea is a nasal air pressure transducer, with or without square root transformation of the signal. The sensor for detection of respiratory effort can be piezoelectric belts, esophageal manometry, or calibrated or uncalibrated inductance plethysmography.
- **Respiratory Therapeutic:** The sensor for detection of blood oxygen saturation is pulse oximetry with a maximum acceptable signal averaging time of 3 seconds. To detect airflow include the digital flow signal integrated from the PAP unit. Include the digital mask leak reading (with or without intentional leak accounted for) from the PAP unit. For BPAP studies in particular, include the digital pressure reading and the tidal volume where available. The sensor for detection of respiratory effort can be Piezoelectric belts, esophageal manometry, or calibrated or uncalibrated inductance plethysmography. (*Note: Alternative sensors or signals must be used when the signal from the recommended sensor is not reliable. Alternative signals or sensors include: nasal pressure transducer to detect absence of airflow for identification of an apnea when the oronasal thermal sensor (thermistor) signal is unreliable. Uncalibrated inductance plethysmography or an oronasal thermal sensor to score hypopneas when the nasal pressure device is not functioning.*
- Electrocardiogram (ECG) –a single modified electrocardiograph Lead II using torso electrode placement. Note: Additional leads may be placed if clinically indicated by physician)
- Ancillary Equipment: Arterial Oxygen Saturation oximeter, external oximeter for validation; body position sensor; infared/low light audio/visual capability with ability to record. Note: Each bed must have an audio visual system of sufficient quality to accurately identify and assess snoring while continuously monitoring patients.
- Optional Equipment: Transcutaneous or end tidal carbon dioxide, snoring sensors/microphones (independent of the room microphone for patient communication)

Level 2 Sleep Study Required Equipment and Test Components

• Cardiopulmonary assessment as for Level 1 sleep study but without EEG, EOG and submental EMG for sleep staging and without measurement of limb movements.

#### **MSLT/MWT Required Equipment and Test Components**

- Electroencephalogram (EEG) the recommended derivations are: F4-M1; C4-M1; O2-M1. The back-up derivations are: F3-M2; C3-M2; O1-M2
- Electrooculogram (EOG) E1-M2 (E1 is placed 1 cm below the left outer canthus); E2-M2 (E2 is placed 1 cm above the right out canthus). Additional EOG leads are recommended: FP1-M2; FP2-M1.
- Electromyogram (EMG) two or three electrodes are placed to record EMG: One midline 1 cm above the inferior edge of the mandible and one 2 cm below the centre of the inferior edge of the mandible and 2 cm to the right of the midline, and/or 2 cm below the centre of the inferior edge of the mandible and 2 cm to the right of the midline and/or 2 cm below the centre of the inferior edge of the mandible and 2 cm to the standard chin EMG derivation consists of either of the electrodes below the mandible referred to the electrode above the mandible. The other inferior electrode is a backup electrode to allow for continued display of EMG activity if 1 of the primary electrodes malfunctions.
- Electrocardiogram (ECG) A single modified electrograph Lead II using torso electrode placement. Note: Additional leads may be placed if clinically indicated by physician.
- Audio Visual Monitoring of all patients for recording events of interest or special studies (ancillary equipment). Each bed must have an audio visual system of sufficient quality to accurately identify and assess snoring while continuously monitoring patients.

**Other Procedures –** Depending on the clinical situation, additional procedures may be utilized, reported and interpreted in patients with:

- Suspected Sleep Apnea Respiratory effort may be monitored with an esophageal pressure monitor.
- Unambiguous obstructive sleep apnea treatment may be instituted with positive airway pressure on the same night as the diagnostic study. This may not eliminate the need for a second facility night for CPAP/Bi-Level positive pressure titration. Supplemental oxygen may be titrated as needed, if significant hypoxia persists.
- Suspected Hypoventilation Syndromes (e.g. chronic respiratory failure, neuromuscular disorders) Transcutaneous CO2 or another reliable measure of ventilation should be monitored when treatment is undertaken with positive pressure mechanical ventilation. The use of mechanical ventilation during sleep and/or wakefulness requires additional training in mechanical ventilation (i.e. in respirology). The respiratory effort by intercostal EMG recordings may be assessed.
- Suspected nocturnal gastro-esophageal reflux Esophageal pH or impedance may be monitored with an esophageal pH electrode.
- Suspected male erectile dysfunction Nocturnal penile tumescence may be monitored through the night.
- Suspected seizure disorder A larger number of bilateral EEG leads is required (seizure montages) including bipolar derivations assuring coverage of frontal and temporal regions: Fp1-F2-T3-T5-O1; Fp1-F3-C3-P3-O1; Fp1-Fz-Cz-Pz-O2; Fp2-F4-C4-P4-O2; Fp2-F8-T4-T6-O2 *Note: The AASM Manual for Scoring of Sleep and Associated Events 2007 Rules, Terminology and Technical Specifications is the standard for sleep disorder facilities. Scoring must be performed by well-trained technologists (preferably RPSGT).*

Re	uesting and Reporting Mechanisms	Meets	Meets with Recommendations	Does not Meet	N/A
1.	Are all referrals triaged for appropriateness of testing by a sleep clinician?				
2.	Do the referrals contain the following:				
	Signature of the physician or surgeon?				
	Demographic data including any medical conditions and medications?				
	Clinical information relevant to the referral?				
	Options for "Study Only", "Consultation", or "Both"?				
3.	Do the computer based records conform to the Components of Medical Records Required by Law. Ontario Regulation 114/94 Section 20 made under the Medicine Act, 1991?				
4.	Are copies of the reports and written requests kept for the appropriate length of time as prescribed by Regulation 57/92 under the IHFA?				
5.	<ul> <li>Does the facility maintain the following log books:</li> <li>Patient log – patient's name, dates of referral, referring physician, date of study, recording technologist, scoring technologist and reporting date?</li> </ul>				
	Incident Log- all adverse health effects occurring during testing, action taken and outcome?				
	Maintenance Log – all maintenance, repair, and calibration procedures performed, results obtained and where appropriate, corrective action taken?				
6.	Is the visual scoring of the polygraph-generated reports based on the materials presented in <i>The AASM</i> Manual for the Scoring of Sleep and Associated Events – Rules, Terminology and Technical Specifications?				
7.	<ul> <li>Is the facility compliant with:</li> <li>The new AASM rules for EEG, EOG, EMG and respiratory signals, including using both thermal and nasal pressure sensors to record respiratory events?</li> </ul>				
	Having modified the reporting software to reflect the parameters to be reported and the new sleep stage terminology?				
	Scoring stages and events according to the new rules?				
8.	Is the final report sent out to the referring physician within 4 weeks of conducting the study?				

Qu	ality	v Management Program	Meets	Meets with Recommendations	Does not Meet	N/A
1.	На	s a Quality Advisory Committee been established and comprised of other health professionals who				
		ovide health services in or in connection with the IHF?				
2.	Do	es the Quality Advisory Committee meet:				
	$\triangleright$	at least twice a year for facilities with more than six full-time staff including the Quality Advisor <b>or</b>				
	$\triangleright$	annually if staff compliment is less than six?				
3.	Do	regular agenda items include: review of cases; policies and procedures; QC matters on equipment;				
	inc	idents and staffing issues?				
	$\triangleright$	Are all QA Committees meetings documented?				
4.	Do	es the facility's quality management program include the following components:				
	$\triangleright$	Annual review of quality management goals and objectives?				
	$\triangleright$	Systematic ongoing review of the facility policy and procedures manual?				
	$\triangleright$	Review of WHMIS/MSDS data on anything introduced to the facility since the previous meeting to				
		ensure appropriate policies and procedures are in place?				
	$\triangleright$	Review of safety data on any equipment to ensure that all equipment in the facility meets safety				
		standards?				
	$\triangleright$	Review of any incident or accident report and document any actions to prevent similar incidents or				
		accidents providing a report to the Quality Advisor for review and sign-off?				
	$\triangleright$	Review of calibration and validation of testing equipment and review any corrective actions that were				
		required and the outcome of those actions?				
	$\triangleright$	Review of the types of procedures conducted at the facility each year for anomalous or unusual				
		patterns?				
	$\triangleright$	Supervise and document an annual review of a random selection of at least 1% of patient records, or 10				
		records whichever is greater to ensure that any tests conducted were appropriate to the problems				
		presented by the patient?				
	$\triangleright$	Supervise and document a program checking inter-scorer reliability checks of all scoring technologists				
		including a sample of at least 2hrs of scoring for all parameters from a minimum of 10 records annually?				
		Supervise and document a program checking interpretation of records by every physician interpreting				
		studies at the centre, with the Quality Advisor selecting a minimum of 10 randomly selected records to				
		be reviewed annually by a sleep medicine physician from another facility?				
	$\triangleright$	For the 3 bullet points noted above, are all these reports generated, reviewed by the Quality Advisor				
		and discussed with the relevant individuals/committees noting any appropriate action and follow-up has				
		been undertaken?				

Quality Management Program	Meets	Meets with	Does not	N/A
		Recommendations	Meet	
Supervise and document a program of annual performance reviews for all staff that have patient				
contact including documentation of action taken to correct any significant deficiencies in performance?				
Ensure registration certificates, BCLS certificates are current?				
Review CME activities of the technical and medical staff?				
Supervise discussion of interesting/challenging cases seen at the facility and disseminate any teaching				
points to staff?				
Regularly review any training or education program at the facility?				
Review results of regular surveys of patients, physician and staff satisfaction, documenting actions to				
address any suggestions, problems or issues raised.				
5. Based on the information collected above, has the facility established a quality management program				
appropriate for its volume and type of services provided?				



COLLEGE PHYSICIANS SURGEONS

# PATIENT RECORD REVIEW

PATIENT IDENTIFICATION NUMBER:\_\_\_\_\_\_ EXAMINATION DATE:\_\_\_\_\_\_ STUDY TYPE\_\_\_\_\_\_

Technical Reports	Meets	Meets with	Does not	N/A
1. The close study performed on the patient has mat the indications as sutlined on pages 1. C of the permeters		Recommendations	Meet	
1. The sleep study performed on the patient has met the indications as outlined on pages 1-6 of the parameters and standards?				
2. During data collection the following is documented on the patient record:				
Patient name and date of birth				
Attending and referring physician				
Date and type of study				
Identification of attending technologist				
Notation of any significant physical or intellectual challenges of the patient				
Patient questionnaires and screening assessments				
Details of any medications or the use of supplemental oxygen if any during the course of the study				
Times the recording began and ended				
Montage used and any significant deviation from lab's standard montage				
Significant staff interventions				
Other observations, where appropriate, including a summary				
For data analysis is the following accurately staged scored or calculated on the patient record:				
Identification of the scoring technologist				
General				
Time in bed (total study time) and/or lights off, lights on				
Total sleep time				
Sleep efficiency				
Measures				
Number of awakenings				
Wake after sleep onset				
Transient EEG arousals				
Sleep Stage Distribution				
Duration and percentage of total sleep time for each sleep stage				
Time to the onset of Non-REM and REM sleep				
Other EEG seen				1
Sharp and/or epileptiform activity				
Alpha/beta frequency intrusion in sleep cardio-respiratory variables, as appropriate				

Meets	Meets with	Does not	N/A
	Recommendations	Meet	
as			
,			
	as	Recommendations           Image: Imag	Recommendations       Meet         Image: Second

Interp	reting Physicians' Report	Meets	Meets with Recommendations	Does not Meet	N/A
1. Ar	e sample segments of relevant raw data documented in the patient's file for the purposes of subsequent		Recommendations	meet	
	sting and to enable third party interpretation?				
	es the report contain the following elements for a diagnostic study:				1
	Date of study				
$\triangleright$	Patient name, date of birth, gender, height/weight or BMI				
$\triangleright$	Why the test was done/physician reason for referral				
$\succ$	Referring physician name and copies to whom				
$\triangleright$	All current medications including any taken during the night				-
$\triangleright$	Any technical problems or special measurements made above and beyond a standard polysomnogram				
Sleep /	Architecture:				
$\succ$	Sleep latency, sleep efficiency, % of time spent in each of the four sleep stages				
$\triangleright$	Stage R (REM) distribution and Stage R (REM) latency				
$\triangleright$	Frequency of arousals				
$\checkmark$	Presence and approximate severity of alpha intrusion in sleep EEG or other abnormalities in sleep EEG				
	microarchitecture				
$\checkmark$	Any abnormal EEG findings				
$\triangleright$	Commentary on the details of the sleep architecture and the overall pattern and in particular comments				
	on where and how the architecture deviates from normal patterns and values. The report shows normal				
	values with ranges and source reference that the facility has adopted.				
Sleep-	disordered Breathing:				
$\succ$	Presence and approximate length of time spent supine				
$\succ$	Presence and severity of snoring				
$\mathbf{A}$	Apneas, hypopneas and RERA's (if reported) with referenced definitions and frequencies (see Appendix IV)				
$\triangleright$	Abnormal breathing patterns or rates				
$\triangleright$	Oxygen awake, average and nadir saturations				
$\triangleright$	Association of abnormalities with position or sleep state				
Mover	nent and Behaviors				
$\triangleright$	Presence of limb movements during wake and frequency of periodic limb movements with and without				
	arousal while asleep				
$\checkmark$	Descriptions of any unusual behaviours in the night by sleep state				
$\triangleright$	Increased EMG or activities in REM sleep				

Interp	reting Physician's Report	Meets	Meets with Recommendations	Does not Meet	N/A
Cardia	c rate and rhythm abnormalities				-
Identif	ication of acquiring and scoring techs				
Summa	ary Statement				
$\succ$	A diagnosis should be made if one is supported by the available data				
$\succ$	If appropriate a longer statement should be made about the relevance of abnormal and normal findings				
	and how they pertain to the patient's presenting symptoms/problems				
$\succ$	Any specific questions posted by the referring physician should be addressed.				
Plan					
$\succ$	There is a clear statement of actions planned, recommended or suggested.				
$\triangleright$	Most responsible physician is identified for follow-up care.				
Eleme	nts for PAP Therapy Studies				
	Why test is done, including a brief summary of prior or at least the most recent diagnostic study results				
$\succ$	Data re interfaces, modalities and pressures used, and respiratory event indices at each pressure setting				-
$\succ$	Comment on the response of respiratory events and snoring; sleep macrostructure (stage/awakening)				-
	and microstructure (microarousals and alpha intrusion) to therapy; appearance and significance of limb				
	movements with therapy.				
$\triangleright$	An overnight histogram demonstrating the relationship of the various sleep variables including sleep				
	state, respiratory events and oxygenation, position and therapeutic changes during the night and in				
	relationship to PAP pressure changes.				
Summa	ary				
$\succ$	A statement including the effect of PAP therapy on respiratory events and on sleep structure, particularly				
	in comparison to the diagnostic study findings if available				
$\triangleright$	Any other abnormal findings and how they are relevant to the patient's presenting symptoms/problems				
	are addressed				
Plan					
$\succ$	A clear statement of actions planned, recommended or suggested				
$\triangleright$	Prescribed or recommended PAP modality, pressure (pressure range) and interface are documented				
$\triangleright$	Clear statement on who will follow-up response to therapy				
MSLT					
Scoring					
$\triangleright$	Does the MSLT technical report include the onset and offset time of each nap, latency from lights out to				
	the first epoch of sleep, amount of each sleep stage, total sleep time, mean latencies of sleep of all naps				
	and the number of sleep onset REM periods?				

$\checkmark$	Is the absence of sleep on any nap opportunity recorded as a sleep latency of 20 minutes?		
$\checkmark$	Is this latency included in the overall analysis of mean sleep latency.		
MWT			
$\succ$	Does the MWT include the onset and offset of each nap during the 40 minute nap opportunity, the		
	amount of each sleep period and the presence of each sleep stage?		
$\checkmark$	Does the interpretation refer to the normal reference values used by the laboratory?		
$\checkmark$	Does the interpretation take into account the clinic context of the individual patient?		

COMMENTS:

# **COMMENTS/NOTES:**