PSG Quality Summary Form

Record ID

_____

Polysomnography QS

Scoring Results

ID:

_____

Is this a repeat study?

◯ 1: Yes
◯ 2: No
◯ 3: Unknown

Field Site Staff ID:

_____
(Can be obtained from the Sleep PSG Tracking form in REDCap central. Listed as Technician ID.)

Nox A1s serial number:

_____
(Can be obtained from PSG Tracking form in REDCap central. Listed as Nox ID. Or can be obtained from the Recording Properties tab in the Nox software under the Recording Device information.)

Date Received

_____

Date of PSG Recording

_____

Scorer ID

◯ 931: Michelle Sterkel
◯ 935: Stephanie Marvin

Study Classification (Passed/Less than standard quality data/Failed)?

Passing studies will have 2 or more hours of concurrent valid signals occurring during sleep-[The study must have at least flow and/or one effort band, oximetry, and one or more usable EEG signal(s)].

(2-4 hours of sleep: "Recording of less than 4 hours of sleep may not represent your typical sleep")

Less than standard quality studies will have less than 2 hours of concurrent valid signals during sleep-[flow and/or one effort band, oximetry, and one or more usable EEG signal(s)].

Studies are scored by the SRC and Nox reports are generated.

Failed studies will have no signals collected (no valid data collected). Examples: participant removes the signals before data collection began, or a battery or equipment failure

- ◯ 1: Passed
- ◯ 2: Less than standard quality data, (no result letter; recommend repeat study)
- ◯ 3: Failed (recommend repeat study)

Was the participant wearing oxygen during the recording?

- ◯ 1: Yes
- ◯ 2: No
- ◯ 3: Unknown

Date Scored

_____

Was the participant wearing oxygen during the recording?

PAP

- ◯ 1: Yes
- ◯ 2: No
- ◯ 3: Unknown

Baseline SpO2 obtained from the PSG.

This value is manually judged by the scorer. It is ideally taken at the beginning of the recording prior to sleep onset.

_____ (%)

Apnea-Hypopnea Index (AHI)-apneas (all desats) + hyp with >=3% desat or arousal

_____ (events per hour)

Analysis Start

_____ (24-hour clock, e.g. 10:30 p.m. is 22:30)

Analysis Stop

_____ (24-hour clock, e.g. 1:30 p.m. is 13:30)

Analysis Duration (Total Recording Time)

_____ (For example, TRT of 6 hrs 23 min is entered as 06:23)

Total sleep time: _____ hours _____ minutes

Calculated TST (hidden)

_____

WARNING: Study marked passed, but TST was less than 2 hours.

Overall Study Quality

- ◯ 6: Outstanding - All signals usable for at least 6 hours analysis start to analysis stop and almost entire >=95% of the sleep time
- ◯ 5: Excellent - At least one frontal or central EEG (F3, F4, C3, or C4), two EOG channels, one set of chin EMGs (Emg Subm or 1-F), both belts or flow, and oximetry usable for 6 hours analysis start to analysis stop and >=75% of the sleep time
- ◯ 4: Good - At least one frontal or central EEG (F3, F4, C3, or C4), one EOG, one respiratory channel (flow or either band), and oximetry usable for 6 hours analysis start to analysis stop and >=50% of the sleep time
- ◯ 3: Fair - At least one frontal or central EEG (F3, F4, C3, or C4), one respiratory channel (flow or either band), and oximetry usable for a minimum of 4 hours analysis start to analysis stop
- ◯ 2: Poor - At least 2 hours of concurrent valid signals - flow and/or one effort band, oximetry, and one or more usable EEG signals. Would recommend repeating the study.
- ◯ 1: Exceedingly poor - A study that does not meet Poor overall study quality.
- ◯ 0: Study scored sleep/wake only- Only stage 2 sleep and wake were used to stage this study, no arousals were scored due to extremely poor quality signals.

Signal Quality

Signal Name Usable Hours (derived by hand from TRT) Quality Code (during sleep time)

E1 _____ _____
E2 _____ _____
F3 _____ _____
F4 _____ _____
C3 _____ _____
C4 _____ _____
O1 _____ _____
O2 _____ _____
M1 _____ _____
M2 _____ _____
1 (chin EMG) _____ _____
2 (chin EMG) _____ _____
F (chin EMG) _____ _____
ECG _____ _____
Flow (nasal cannula) _____ _____
Thorax _____ _____
Abdomen _____ _____
SpO2 _____ _____
Left Leg _____ _____
Right Leg _____ _____

Respiratory Event Reliability

Respiratory Events May Be Unreliable	◯ 0: No ◯ 1: Yes
Comments regarding Respiratory Events Unreliable	_____
Arousal Reliability	
Arousals May be Unreliable	◯ 0: No ◯ 1: Yes
Comments Regarding Arousals May be Unreliable	_____
Arousals in REM (only) Unreliable	◯ 0: No ◯ 1: Yes
Comments Regarding Arousals in REM (only) May be Unreliable	_____
PLM Reliability	
PLMs May be Unreliable	◯ 0: No ◯ 1: Yes
Comments Regarding PLMs May be Unreliable	_____
Staging Reliability	
Scored Sleep/Wake Only	◯ 0: No ◯ 1: Yes
Transitions from Wake/Sleep Unreliable	◯ 0: No ◯ 1: Yes
Comments Regarding Transitions from Wake/Sleep Unreliable	_____
Stage 1/Stage 2 Unreliable	◯ 0: No ◯ 1: Yes
Comments Regarding Stage 1/2 Unreliable	_____
Stage 2/Stage 3 Unreliable	◯ 0: No ◯ 1: Yes

Comments Regarding Scoring Stage2/3 Unreliable	_____
Scoring REM/NREM unreliable	◯ 0: No ◯ 1: Yes
Comments Regarding REM/NREM Unreliable	_____
Lost Data	
Data Lost - Recording Ended Before Waking	◯ 0: No ◯ 1: Yes
Data Lost- Recording Began in Sleep	◯ 0: No ◯ 1: Yes
Data Lost-Other	◯ 0: No ◯ 1: Yes
Urgent Alerts	
Were there any Urgent Alerts?	◯ 0: No ◯ 1: Yes
AHI >50 and no history of diagnosed OSA	◯ 0: No ◯ 1: Yes
O2 sat < 85% for >=10% TST (Total Sleep Time)	◯ 0: No ◯ 1: Yes
O2 sat < 88% for >=1 minute at baseline (wake) during the PSG	◯ 0: No ◯ 1: Yes
Urgent Alert Heart Rate and/or ECG Finding	◯ 0: No ◯ 1: Yes
Specific Heart Rate and/or ECG Urgent Alert Findings:	☐ 1: A-fib/flutter not previously diagnosed ☐ 2: A-fib/flutter diagnosed but HR >120 bpm or < 50 bpm for 2 minutes ☐ 3: HR >=150 bpm or < =30 bpm for >=2 consecutive minutes (no A-fib/flutter) (Select all that apply)
PSG: Acute ST segment (suggests ischemia)	◯ 0: No ◯ 1: Yes
PSG: Heart Block Complete AV block; 2nd degree AV block, Mobitz 2; pause >6 seconds	◯ 0: No ◯ 1: Yes

Specific PSG: Heart Block Findings:	☐ 1: Complete AV Block ☐ 2: 2nd degree AV Block, Mobitz 2 ☐ 3: Pause >6 seconds (Select all that apply)
PSG: Non-sustained wide complex tachyarrhythmia (>=3 beat run at rate >120 bpm)	◯ 0: No ◯ 1: Yes
PSG: Other	◯ 0: No ◯ 1: Yes
Comments Regarding PSG: Other Urgent Alert	_____
Sleep Report	
Sleep Report	
Comments	
Scorer Comments	_____