



PSG Report

c1 name

Diagnostic

First Name: **Owl**
Last Name: **Analysis**
Study ID: **1787748046**
Patient ID: **severe_osa_6369_8046**

Gender: **M**
Birth Date: **1960-12-30**
Age: **65**

Weight: **80.0 kg**
Height: **180.0 cm**
BMI: **24.7**

TRT: **2 h 59.5 min**
TST: **2 h 55 min**

Measurement Start: **1985-01-15 20:19**
Measurement End: **1985-01-16 05:16**

Lights Off: **01:30**
Lights On: **04:30**

Sleep Summary

Wake: **4.5 min**
REM: **37.5 min** **21.4%**
REM + SUPINE: **0** **0.0%**
NREM: **2 h 17.5 min** **78.6%**

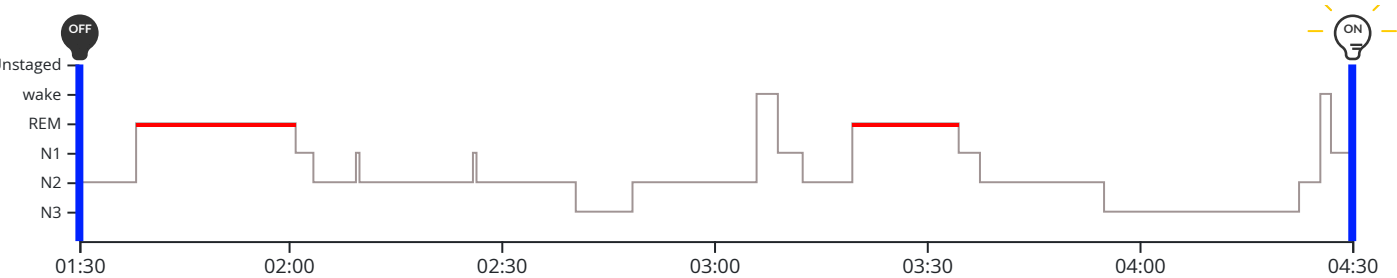
N1: **13 min** **7.4%**
N2: **1 h 29 min** **50.9%**
N3: **35.5 min** **20.3%**

Sleep Efficiency: **97.5%**
Sleep Latency: **0**
REM Latency: **8 min**
WASO: **4.5 min**

AHI: 76.5

ODI: 72.7

PLMI: 0.0



Respiratory Parameters

76.5 AHI



	sleep		REM		NREM		Supine		Non supine		REM + Supine	
	count	index	count	index	count	index	count	index	count	index	count	index
Apnea And Hypopnea:	223	76.5	54	86.4	169	73.7	102	94.2	121	66.0	0	0.0
Apnea:	172	59.0	49	78.4	123	53.7	80	73.8	92	50.2	0	0.0
Obstructive Apnea:	171	58.6	48	76.8	123	53.7	80	73.8	91	49.6	0	0.0
Central Apnea:	1	0.3	1	1.6	0	0.0	0	0.0	1	0.5	0	0.0
Mixed Apnea:	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypopnea:	51	17.5	5	8.0	46	20.1	22	20.3	29	15.8	0	0.0
Obstructive Hypopnea:	51	17.5	5	8.0	46	20.1	22	20.3	29	15.8	0	0.0
Central Hypopnea:	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RDI:	223	76.5	54	86.4	169	73.7	102	94.2	121	66.0	0	0.0

	sleep		REM		NREM		Supine		Non supine	
	minutes	percent	minutes	percent	minutes	percent	minutes	percent	minutes	percent
CSB:	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%

4% Rule Summary

*Based on events meeting a 4% desaturation criteria.

	Sleep	REM	NREM	Supine	Non Supine	REM + Supine
AHI 4%*	68.9	81.6	65.5	83.1	60.5	0.0
ODI 4%*	64.5	75.2	61.5	77.5	56.7	-
Apnea 4%*	59.0	78.4	53.7	73.8	50.2	0.0
Obstructive Apnea 4%*	58.6	76.8	53.7	73.8	49.6	0.0
Central Apnea 4%*	0.3	1.6	0.0	0.0	0.5	0.0
Mixed Apnea 4%*	0.0	0.0	0.0	0.0	0.0	0.0
Hypopnea 4%*	9.9	3.2	11.8	9.2	10.4	0.0
Obstructive Hypopnea 4%*	9.9	3.2	11.8	9.2	10.4	0.0
Central Hypopnea 4%*	0.0	0.0	0.0	0.0	0.0	0.0

Oxygen Summary

	TST	REM	NREM	Supine	Non Supine
SpO2 Mean	93.4%	92.1%	93.8%	95.6%	91.9%
SpO2 Min	78.0%	78.0%	83.0%	88.0%	78.0%

Desaturation Index (ODI): 72.7 Evts/H **Desaturations Duration: 69.8 Min**

	Sleep		REM		NREM		Supine		Non supine	
Desaturation Index (Evts/H)	72.7		80.0		70.7		89.5		62.7	

SpO2	TST		Wake		REM		NREM		Supine		Non Supine	
	duration	percent	duration	percent	duration	percent	duration	percent	duration	percent	duration	percent
<90%	19.1	10.9%	0.0	0.0%	8.3	22.1%	10.8	7.9%	0.2	0.3%	18.9	16.5%
≤88%	11.4	6.5%	0.0	0.0%	6.1	16.3%	5.3	3.9%	0.1	0.1%	11.4	10.0%
<80%	0.1	0.0%	0.0	0.0%	0.1	0.2%	0.0	0.0%	0.0	0.0%	0.1	0.1%
<70%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%

Arousals

	Count	Index
Total	41	14.1
Apnea	34	11.7
Hypopnea	2	0.7
Apnea And Hypopnea	36	12.3
RERA	0	0.0
PLM	0	0.0
Leg Movement	1	0.3
Desaturation	1	0.3
Spontaneous	3	1.0

Snoring Summary

	Duration (Min)	Percent Of TST
Snoring:	116.1 min	66.3%

Movement Events

	Count		Index (Evts/H)	
Total leg movements	3		1.0	

	Total		REM		NREM		Supine		Non supine	
	count	index	count	index	count	index	count	index	count	index
PLMS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Position Statistics

	Sleep		Respiratory Events During Sleep	
	Duration (Min)	Percentage	Count	Index (evts/h)
Supine	65.0	37.2%	102	94.2
Left	110.0	62.8%	121	66.0
Right	0.0	0.0%	0	0.0
Prone	0.0	0.0%	0	0.0
Upright	0.0	0.0%	0	0.0
Non Supine	110.0	62.8%	121	66.0

Bruxism Summary

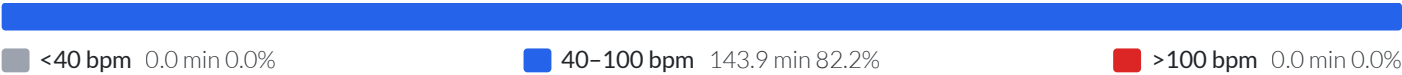
	Count	% Total	Index (Evts/H)	Avg Dur (Sec)	Min Dur (Sec)	Max Dur (Sec)	Total Time (Min)
Phasic	0	-	-	-	-	-	-
Tonic	0	-	-	-	-	-	-
Mixed	0	-	-	-	-	-	-
Total	0	-	-	-	-	-	-

Cardiac Summary

Heart rate summary

	WAKE	SLEEP	REM	NREM
MEAN	71	66	66	66
MAX	143	93	86	93

HR distribution during sleep



Cardiac events

	Count	Index In Sleep (Evts/H)	Key HR	Time in (min)	Avg dur (sec)	Min dur (sec)	Max dur (sec)
Sinus bradycardia	0	0.0	-	-	-	-	-
Sinus tachycardia	0	0.0	-	-	-	-	-

Arrhythmia Summary

	Count	Index (Evts/H)	Key HR	Time In (Min)	Avg Dur (Sec)	Min Dur (Sec)	Max Dur (Sec)		Count	Index (Evts/H)
Atrial fibrillation	0	0.0	Avg: -	-	-	-	-			
Narrow complex tachycardia	0	0.0	Highest: -	-	-	-	-			
Wide complex tachycardia	0	0.0	Highest: -	-	-	-	-			
AV blocks	0	0.0	-	-	-			PACs	0	0.0
Pacemaker Rythm	0	0.0	-	-	-			PVCs	0	0.0
Asystole	0	0.0	-	-	-					
Other Irregular Beats	0	0.0	-	-	-					

Signal Quality

Percentage Signal Without Artifacts in Total Recording Time

SpO2:	91.4%	Heart Rate:	83.1%
SpO2 Supine:	99.7%	Position:	100.0%
Nasal Pressure:	100.0%	EMG Leg:	100.0%
% Epochs Staged:	100.0%		

Note

Technician

manually overscored

Reviewing Technician Name

Certifications

Method

High complexity diagnostic unattended home polysomnography sleep study performed. Recording montage includes EEGx2, EOGx2, EMGx2, ECG with HR, Nasal pressure transducer, chest effort, chest derived airflow, SpO2, body position, snoring microphone, limb EMG, & movement activity measure. The collected data was scored in 30-second epochs according to current American Academy of Sleep Medicine criteria using the 3% rule.

The recording was acquired with Onera STS I and analysed with SleepMap v1.4.3

Trends

