

Respiration Report



Patient Information

Full Name: SH003_R1_Nocturnal_NoAudio

Patient ID:

Height: cm

Weight: kg

BMI:

Date of Birth:

Age:

Gender: Unknown



Recording Information

Recording Date: 1/30/2022

Analysis Duration (TRT): 8h 56m

Recording Tags:

Analysis Start Time (Lights out): 11:07 PM

Device Type: T3S

Analysis Stop Time (Lights on): 8:03 AM



Summary

Est Total Sleep Time (TST): 8h 52m

Est. Sleep Efficiency: 98 %

AHI: 0.9

ODI: 1.2

Snore %: 4.7



Respiratory Parameters

	Total	Supine	Non-Supine	Count
Apneas + Hypopneas (AH):	0.9 /h	1.2 /h	0.8 /h	8
Apneas:	0.9 /h	1.2 /h	0.8 /h	8
Obstructive (OA):	0.2 /h	0.8 /h	0 /h	2
Mixed (MA):	0 /h	0 /h	0 /h	0
Central (CA):	0.7 /h	0.4 /h	0.8 /h	6
Hypopneas:	0 /h	0 /h	0 /h	0
Obstructive (OH):	0 /h	0 /h	0 /h	0
Central (CH):	0 /h	0 /h	0 /h	0
Obstructive Apnea Hypopnea (OA + MA + OH):	0.2 /h	0.8 /h	0 /h	2
Central Apnea Hypopnea (CA + CH):	0.7 /h	0.4 /h	0.8 /h	6
RDI (A+H+RERAs)	0.9 /h	1.2 /h	0.8 /h	8
Hypoventilation:	0 /h	0 /h	0 /h	0
Respiration Rate (per m):	11.1 /m	10.7 /m	11.3 /m	



Signal Quality

	Percentage		Percentage
Oximeter:	99.5 %	Abdomen RIP:	99.5 %
Nasal Cannula:	100 %	Thorax RIP:	99.5 %



Snore

	Total	Supine	Non-Supine	Duration
Snore:	4.7 %	17 %	0.1 %	25.1 m
Flow Limitation:	0 %	0 %	0 %	0 m
Cheyne-Stokes Breathing:	0 %	0 %	0 %	0 m
Paradoxical Breathing:	0 %	0 %	0 %	0 m



Oxygen Saturation (SpO2)

	Total	Supine	Non-Supine	Duration
Oxygen Desaturation Index (ODI):	1.2 /h	1.2 /h	1.2 /h	
Average SpO2:	94.2 %	94.2 %	94.2 %	
Minimum SpO2:	82 %	82 %	82 %	
SpO2 Duration < 90%	0.2 %	0.7 %	0 %	1.2 m
SpO2 Duration ≤ 88%	0.2 %	0.6 %	0 %	1 m
SpO2 Duration < 85%	0.2 %	0.5 %	0 %	0.9 m
Average Desat Drop:	4.4 %	4.3 %	4.4 %	



Position & Analysis Time

	Duration	Percentage		Duration	Percentage
Supine (in TST):	145.4 m	27.3 %	Movement (in TST):	9.5 m	1.8 %
Non-Supine (in TST):	386.8 m	72.7 %	Invalid Data (Excluded):	0 m	0 %
Left (in TST):	177.5 m	33.3 %			
Prone (in TST):	52.6 m	9.9 %			
Right (in TST):	156.7 m	29.4 %			
Unknown (in TST):	0 m	0 %			
Upright (in TRT):	3.9 m	0.7 %			



Pulse

	Bpm		Minutes
Average (in TST):	53.8	Duration < 40 bpm:	0
Max (in TST):	114	Duration > 100 bpm:	0.2
Max (in TRT):	114	Duration > 90 bpm:	0.2
Min (in TST):	42		



Cardiac Events

	Index	Count		Index	Count
Bradycardia	0 /h	0	Tachycardia	0 /h	0
Asystole	0 /h	0	Atrial Fibrillation	0 /h	0

Trend Overview



Patient Notes

Technician Notes

Interpretation Notes

Scoring Information

SH003_R1_ES_4p

Analysis Settings

Position changes when at least 5 seconds of continuous position is found. The minimum upright position is at 53.13° angle.

Movement is detected when the activity signal exceeds a threshold of 0.2 for a minimum of 1 second(s).

Apneas are scored where there is a 90% drop in the Flow signal between 10 and 120 seconds.

Hypopneas are scored where there is a 30% drop in the Flow signal between 10 and 120 seconds followed by either a drop in saturation of at least 3%, or an arousal.

A tachycardia is added when the heart rate exceeds 90bpm for at least 30 seconds. Bradycardia is scored when the heart rate falls below 40bpm for at least 30 seconds.

Limb movements are detected when EMG amplitude is above 5 times background activity for at least 0.5 seconds, but no more than 10 seconds.

PLMs are detected when at least 4 limb movements occur within a minimum interval of 5 seconds and a maximum interval 90 seconds.

An ECG artifact filter is applied to the leg EMG signals.

LMs from all channels are combined into one PLM score.

LMs are not scored if they start 0.5 seconds before an apnea, hypopnea or a RERA, or 0.5 seconds following the event.

LMs are not scored if they start during movement.

LMs are not scored if they start during periods of wake.

Desaturations are marked when the SpO2 values drop by at least 3% for a minimum duration of 3 seconds with a plateau of no more than 45 seconds.