

Summary of Home Screen for Apnea (HSA)

Patient Name:	██████████	Study Date:	09/07/2023	
Sex:	Male	Height:	N/A	
DOB:	██████████	Age: 24	Weight:	N/A
Sleep Specialist:	R. Kakar, MD	Scored by:	U. Rashid, RPSGT	
		Referring Physician:	R. Kakar, MD	

██████████ who is a 24 year-old male patient, was evaluated for sleep-related breathing disorders utilizing MediByte Jr Home Screen for Apnea (HSA) on one night, 09/07/2023.

RECORDING DATA:

The following were monitored: Nasal airflow, respiratory effort, oximetry, and heart rate based on pulse oximetry. Hypopneas were scored using the following criteria, peak signal excursions drop by $\geq 30\%$ of pre-event baseline using nasal pressure (diagnostic study), PAP device flow (titration study), duration lasting ≥ 10 seconds with a $\geq 4\%$ oxygen desaturation from baseline.

DISTURBANCES:

	<u>Night 1</u>
Apnea Hypopnea Index (AHI)	14
Minimum oxygen saturation (O2)	89%

IMPRESSION:

This recording is consistent with moderate obstructive sleep apnea (OSA), with evidence of central sleep apnea (CSA). The study recording quality was good.

RECOMMENDATION:

The patient should have a medical follow up to discuss the study results.

Please contact us directly if you have any questions. Thank you.
Sincerely,



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PATIENT [REDACTED]

Patient ID: [REDACTED]

Study Date: 09/07/2023

Date of Birth: [REDACTED]

Age: 24

Sex: Male

Height:

Weight:

BMI:

Waist-Hip Ratio:

AHI/REI: 14

RDI: 18.8

ODI: 9.4

Chart Code: 0987654321
Referring Physician:
Start Time: 06:55:28
End Time: 11:54:58
Total Recording Time: 299.5 minutes

Severe >30
Moderate 15-30
Mild 5-15
Normal <5

HOME SLEEP APNEA TESTING DEVICE



The MediByte Jr®, a 6-channel Type 3 home sleep respiratory recorder (SN 206754), was used to evaluate sleep-disordered breathing. The following parameters were recorded for a duration of 299.5 minutes: Snoring (high frequency vibrations in airflow), oronasal pressure Airflow, RIP Chest Effort, SpO2, Pulse Rate, Body Position, and User Events.

Note: Respiratory events were scored using the following rules: Apneic events required a 90% or more reduction in airflow, Hypopneic events required a 30% reduction in airflow along with an accompanying 4% oxygen desaturation.

COMMENTS

77.7% of all breaths had flow limitation which is associated with upper airway resistance. AHI & RDI were 13.6 and 18.8, respectively. Supine AHI was 21.6 and supine RDI was 34.6. Oxygen Desaturation Index (ODI) was 9.4 and time below 88% SpO2 was 0.0 minutes. Supine desaturation index was 17.3.

OXIMETRY

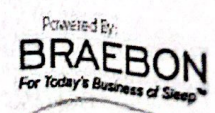
	SpO ₂ Range	
	% Time	Minutes
98-100 %	9.2%	27.6
96-98 %	77.8%	232.6
94-96%	8.6%	25.7
92-94 %	4.1%	12.4
90-92 %	0.2%	0.7
90-100 %	100.0%	299.0
80-89 %	0.0%	0.1
70-79 %	0.0%	0.0
60-69 %	0.0%	0.0
50-59 %	0.0%	0.0
< 50%	0.0%	0.0
Total <88 %	0.0%	0.0

	Total	Index	
Desaturations ≥ 4%	47	9.4	
	Mean	Min.	Max.
SpO ₂ (%)	96.2	89.0	99.0
Pulse (BPM)	62.1	51.0	96.0

PULSE

	Pulse Rate Range	
	% Time	minutes
125-150	0.0%	0.0
100-125	0.0%	0.0
75-100	3.4%	10.1
50-75	96.6%	289.0
25-50	0.0%	0.0

*Respiratory events are defined in the Assisted Scoring User Settings and in the User Guide. Final clinical decisions and degree of accuracy are the sole responsibility of the clinician using this software.



RESPIRATORY

	Total	Index	Duration (sec)		
			Mean	Min.	Max.
Breaths	5575	1116.9	2.3	0.6	10.0
Central Apneas	4	0.8	18.9	13.1	23.9
Obstructive Apneas	7	1.4	46.2	18.8	130.6
Mixed Apneas	4	0.8	25.2	23.3	27.4
Hypopneas	53	10.6	35.9	11.5	139.6
Apnea+Hypopnea	68	13.6	35.4	11.5	139.6
Snoring (Flow)	414	82.9	0.6	0.2	4.0
Flow Limitation (FL)	2922	585.4	1.2	0.6	6.9
Desaturations	47	9.4	49.2	9.4	293.0
RERAs	26	5.2	54.6	14.2	124.0

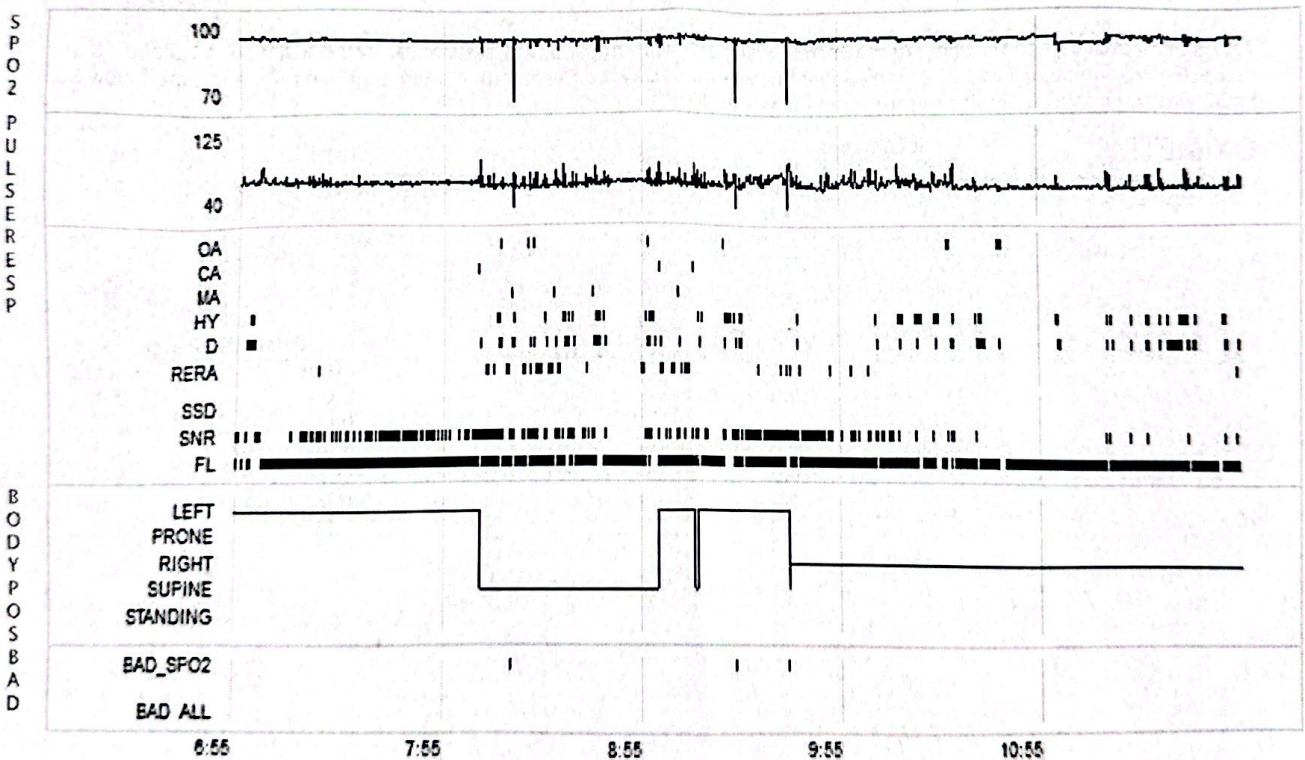
BREATH STATS

Total Breaths 5575
with FL 4331
% FL Breaths 77.7%

EVENTS

BY BODY POSITION

	Supine	Non-Supine	Right	Left	Prone
% Time in Position	18.6%	81.4%	45.1%	36.4%	0.0%
Total Breaths	738	4837	3285	1552	0
Snoring (Flow)	96	318	99	219	0
Flow Limitation (FL)	538	2384	1217	1167	0
Desaturations	16	31	24	7	0
ODI	17.3	7.6	10.7	3.9	0.0
RERAs	12	14	6	8	0
RDI	34.6	15.3	17.3	12.7	0.0
Apneas + Hypopneas	20	48	33	15	0
AHI/REI	21.6	11.8	14.7	8.3	0.0



PATIENT [REDACTED]

Patient ID: [REDACTED]

Study Date: 09/07/23

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