

Emory Sleep Center
Home Sleep Apnea Testing Report

Name: David Bradford
MRN: 52864608
DOB: 1/10/1996
Date of Study: 4/15/2020

Requesting Clinician: Michael Ly

Indication: Possible sleep apnea

Weight: 229 lb Height: 6' 3" BMI: 28.8 Neck Size:

Test Description: Home sleep apnea test utilizing peripheral arterial tonometry (PAT)

Monitored: PAT, actigraphy, pulse oximetry, pulse rate, body position and snore.

The data acquired and the scoring of sleep and all associated events were performed in accordance with the recommended standards and specifications as outlined in the AASM Manual for the Scoring of Sleep and Associated Events 2.4.0 (2017).

Study Start/End	02:07:38 / 08:12:36		% of EST
Total Recording Time (TRT, min)	364	PAT Light sleep	69.2
Estimated Wake (min)	57	PAT Deep sleep	14.3
PAT Sleep Time (EST, min)	307	PAT REM sleep	16.4
Valid Sleep Time (min)	303	Sleep Efficiency	84.1
Latency to sleep (min)	24		

Respiratory Analysis:

pAHI	21.0	pRDI	25.0
PAT NREM pAHI	18.2	Snoring Mean Level (dB)	42
PAT REM pAHI	35.9	% of sleep time \geq 45 dB	15.5
Mean Sleep % SpO2	96	pAHIC	1.8
Min % SpO2	91	PAT NREM pAHIC	1.4
Sleep Oxygen Desaturation Index \geq 4%	5.9	PAT REM pAHIC	3.7
% of Sleep Time with SpO2 \leq 88%	0.0	%CSR	0.0

Indices are calculated using technically valid sleep time of 5 hrs, 3 min.

pRDI/pAHI are calculated using oxi desaturations \geq 3%

Position	Prone	Supine	Left	Right
EST (%)	0.0	13.5	27.7	58.8
pAHI	N/A	15.9	12.9	26.0
pRDI	N/A	17.4	22.2	28.0

Heart Rate:

HR (range)	41 - 105	HR (mean)	68
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Oxygen Saturation	<90	\leq 88	<85	<80	<70
Duration (minutes):	0.0	0.0	0.0	0.0	0.0

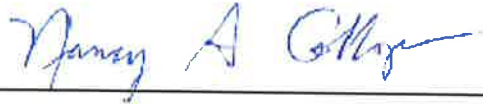
Overall technical quality: adequate

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Diagnosis: Obstructive sleep apnea, moderate severity (G47.33)

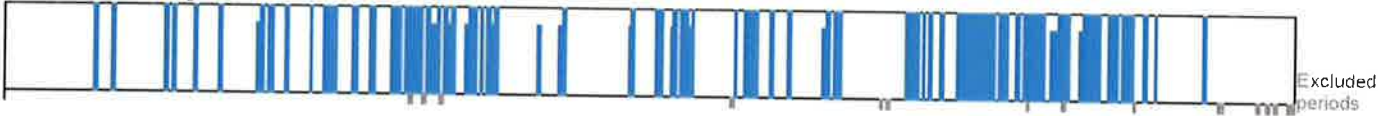
Impression: The patient is a 24 yr old man with allergic rhinitis, ADD, depression who notes low energy, snoring, sleepiness. This study shows intermittent and moderately loud snoring and sleep disordered breathing events most notable during pREM scored sleep periods without oxygen desaturation to < 90%. PAP therapy is a reasonable consideration given symptomatology.



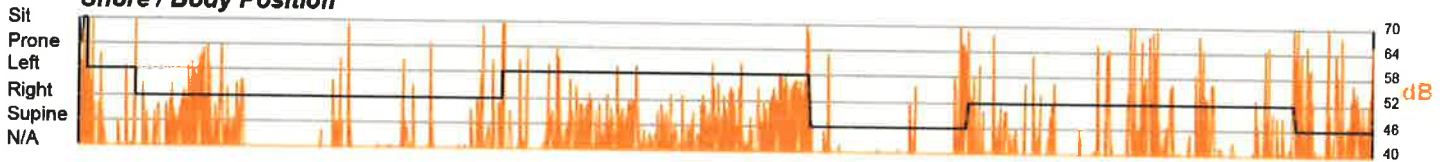
Nancy A. Collop, MD
Board-Certified Sleep Specialist

Interpretation Date:
April 16, 2020

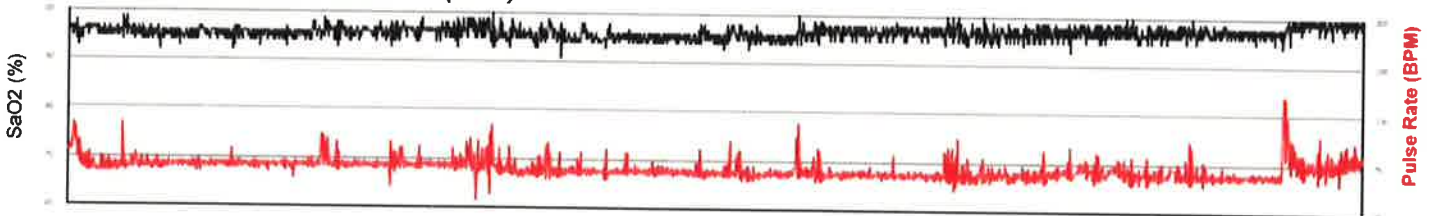
PAT Respiratory Events



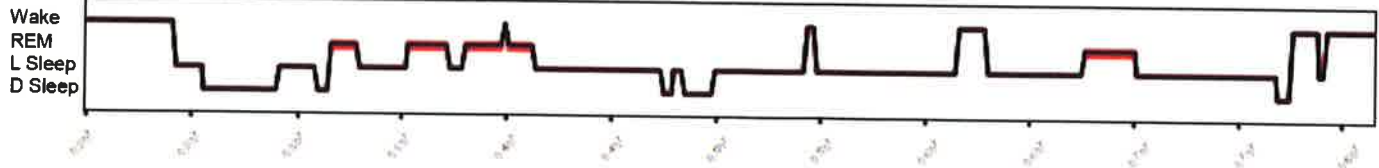
Snore / Body Position



Oxygen Saturation / Pulse Rate (BPM)



Wake / Sleep stages



85-10031	VER: A/13 HIM: 09/13	Medical Record	Rev. 1421	Sleep Disorders Report
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