

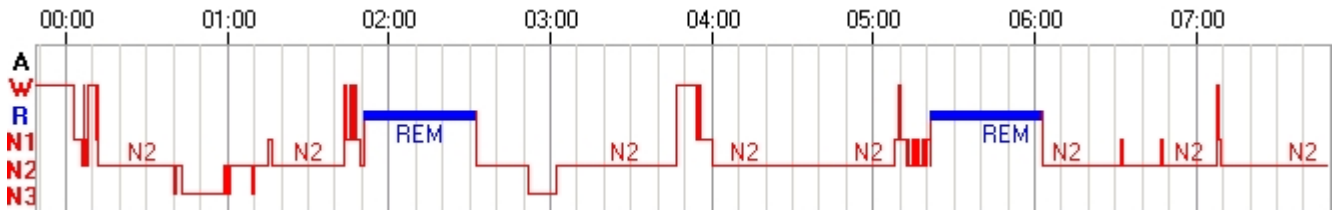
**Patient Data**

Last Name: <b>Demo</b>	ID:	Height: <b>183 cm</b>
First Name: <b>AASM Standard</b>	Crit. 1:	Weight: <b>106,0 kg</b>
Date of Birth: <b>01.04.1944</b>	Crit. 2:	BMI: <b>31,7 kg/m²</b>

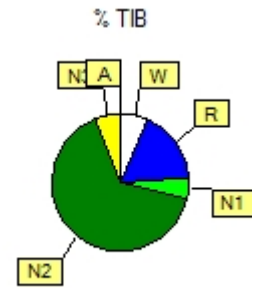
Montage name:  
Description: Rückenlage OSAS

	from	to	Artefact	Duration
Recorded Time	16.03.2010 23:48:00	17.03.2010 07:49:00		08:01:00
TIB	16.03.2010 23:48:29	17.03.2010 07:49:00	00:00:02	08:00:30

**Sleep Stages**



		Sleep Stage	Duration	(%) TIB	(%) Sleep
Total Sleep Time (TST)	07:30:30				
Sleep Efficiency [%]	<b>93,8</b>				
Sustained Sleep Eff. [%]	96,7	Artefact	00:00:02	0,0	-
Sleep Latency [m]	<b>14,5</b>	Wake	00:29:57	6,2	-
Sleep Latency N1 [m]	<b>14,5</b>	REM	01:23:00	17,3	<b>18,4</b>
Sleep Latency N2 [m]	<b>17,5</b>	N1	00:24:30	5,1	<b>5,4</b>
Deep Sleep Latency [m]	<b>51,5</b>	N2	05:13:30	65,2	<b>69,6</b>
REM latency [m]	108,0	N3	00:29:30	6,1	<b>6,5</b>
Total Sleep Period (SPT)	07:46:00	Light Sleep	05:38:00	70,3	<b>75,0</b>
Sleep Stage Change (Index)	60 (7,5)	Deep Sleep	00:29:30	6,1	<b>6,5</b>
# Wake (Index)	<b>10 (1,3)</b>				
#Wake respiratory (Index)	6 (0,8)				



**Respiratory Analysis**

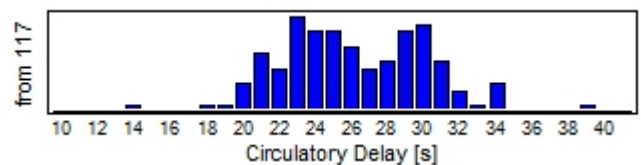
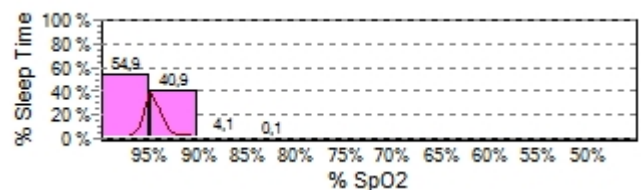
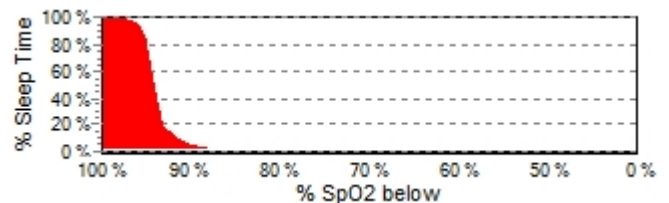
Number (Index)	REM	Non-REM	Sleep
Obstructive	-	-	-
Mixed	-	-	-
Central	-	-	-
Undef Ap.	-	-	-
Total Ap.	-	-	-
Hypopnea	125 (16,6)	122 (19,9)	125 (16,6)
<b>A+H</b>	<b>125 (16,6)</b>		
Limitation	-	-	-
RERAs	-	-	-
RDI	125 (16,6)	122 (19,9)	125 (16,6)
Apnea (Index)	-	-	-
Hypopnea (Index)	3 (2,2)	122 (19,9)	125 (16,6)
AHI / RDI [/h]	2,2 / 2,2	19,9 / 19,9	16,6 / 16,6
Flow Limitation (Index)	-	-	-
RERAs (Index)	-	-	-
Max. Apnea Duration [s]	-	-	-
Max. Hypopnea Duration [s]	82	58	82
Average Apnea Dur. [s]	-	-	-
Average Hypopnea Dur. [s]	68,6	33,1	34,0
Artefact [min]	-	-	-

Hypopnea-rules 1: Desaturation 3 %, Ratio 70 %.

Position	Supine	not Supine	Left	Right	Prone	Upright
Sleep Time Fraction [%]	22,4	77,6	54,6	23,0	0,0	-
RDI	121 (72,0)	4 (0,7)	4 (1,0)	-	-	-
Obstructive Apnea (Index)	-	-	-	-	-	-
Central Apnea (Index)	-	-	-	-	-	-
Mixed Apnea (Index)	-	-	-	-	-	-
Hypopnea (Index)	121 (72,0)	4 (0,7)	4 (1,0)	-	-	-
Flow Limitation (Index)	-	-	-	-	-	-
RERAs (Index)	-	-	-	-	-	-
Number of Desaturations (Index)	122 (72,6)	21 (3,6)	16 (3,9)	5 (2,9)	-	-

## O2 Saturation

	Number (Index)	Time
<b>Number of Desaturations</b>	<b>143 (19,0)</b>	
<b>Minimal SpO2 [%]</b>	<b>80</b>	05:16:41
<b>Baseline O2 Saturation</b>	<b>95</b>	
Average SpO2 [%]	94	
Number desaturations < 90 %	73	9,1 %
Number desaturations < 80 %	-	0,0 %
SpO2 Time < 90 %	4,2 %	00:18:55
Biggest Desaturation [%]	16	05:15:52
Average Desaturation [%]	6,2	33,3 s
Longest Desaturation [s]	108,0	02:06:16
Average Min. Saturation [%]	90	
Deepest Desaturation [%]	80	05:16:41
Sum all desaturation	01:19:17	17,6 %
Average Circulatory delay [s]	26,1	
Artefact [min]	0,1 (0,0%)	



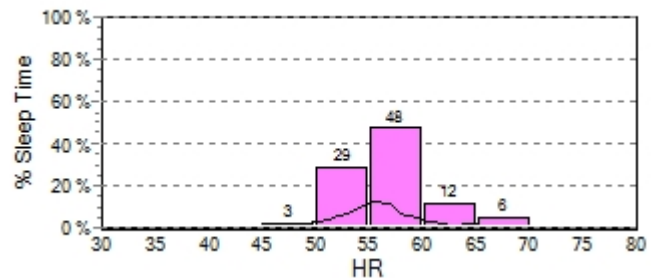
## Snore Analysis

	All	Prone	Supine	Left	Right	Upright
Snore (Index)	3747 (499,0)	-	1194 (710,4)	2086 (509,1)	467 (269,9)	-
Absolute Snore [min]	63,0	-	21,0	35,6	6,4	-
Snore episodic [min]	234,7	-	78,4	131,0	25,3	-

Snore episodic [% TST] 52,1

## Heart Rate

	Number (Index)	Time
<b>Wide complex tachycardia</b>	<b>-</b>	
Narrow complex tachycardia	-	
Asystole (Index)	<b>1 (0,1)</b>	
Longest Asystole [s]	3,2	01:28:15
Maximum HR [bpm]	<b>83</b>	01:14:55
Minimum HR [bpm]	46	05:19:34
Average HR [bpm]	56	
Std. deviation [bpm]	5,2	
Artefact [min]	0,5 (0,1%)	



## Periodic Leg Movement (PLM)

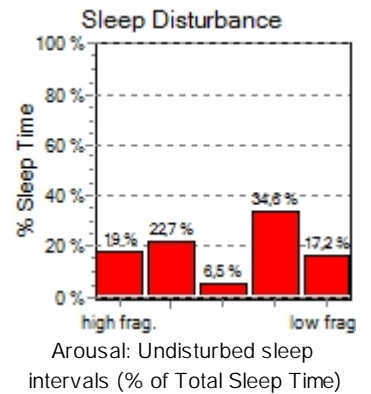
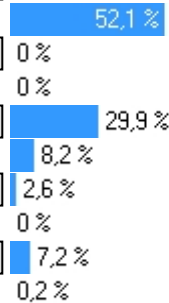
	Sleep	REM	Non-REM	Wake	Total
Total LMs (Index)	240 (32,0)	10 (7,2)	230 (37,6)	49 (98,1)	289 (36,1)
Isolated-LMs (Index)	104 (13,9)	10 (7,2)	94 (15,3)	20 (40,1)	124 (15,5)
PLMs (Index)	136 (18,1)	-	136 (22,2)	29 (58,1)	165 (20,6)
Resp-LMs (Index)	49 (6,5)	-	49 (8,0)	7 (14,0)	56 (7,0)
Body Position-LMs (Index)	5 (0,7)	-	5 (0,8)	3 (6,0)	8 (1,0)
<b>PLMs with Arousal (Index)</b>	<b>58 (7,7)</b>	-	58 (9,5)	2 (4,0)	60 (7,5)
<b>LMs with Arousal (Index)</b>	<b>16 (2,1)</b>	1 (0,7)	15 (2,4)	-	16 (2,0)

## PLMs Distribution

Time	Sleep	Wake
16.03 23:48 - 00:00	0 (0,00)	15 (78,23)
17.03 00:00 - 01:00	30 (30,00)	14 (14,00)
01:00 - 02:00	41 (41,00)	0 (0,00)
02:00 - 03:00	0 (0,00)	0 (0,00)
03:00 - 04:00	54 (54,00)	0 (0,00)
04:00 - 05:00	11 (11,00)	0 (0,00)
05:00 - 06:00	0 (0,00)	0 (0,00)
06:00 - 07:00	0 (0,00)	0 (0,00)
07:00 - 07:49	0 (0,00)	0 (0,00)

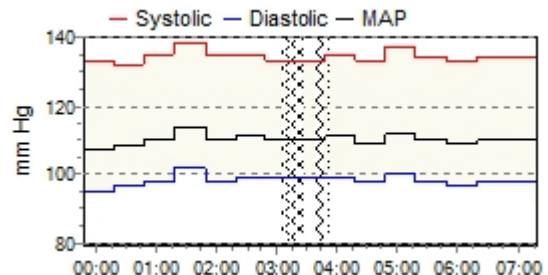
## Arousal

	REM	Non-REM	Sleep
<b>Total</b>	<b>3 (2,2)</b>	<b>191 (31,3)</b>	<b>194 (25,9)</b>
<b>Arousal EEG/EMG</b>	<b>3 (2,2)</b>	<b>191 (31,3)</b>	<b>194 (25,9)</b>
<b>Pleth</b>	-	-	-
Respiratory MA	-	101 (16,5)	101 (13,5)
Flow Limitation MA	-	-	-
Desaturation MA	-	-	-
PLM MA	-	58 (9,5)	58 (7,7)
LM MA	1 (0,7)	15 (2,5)	16 (2,1)
Snore MA	-	5 (0,8)	5 (0,7)
Heart rate MA	-	-	-
Spontaneous MA	2 (1,4)	12 (2,0)	14 (1,9)
Artefact [min]	0,1	0,9	1,0



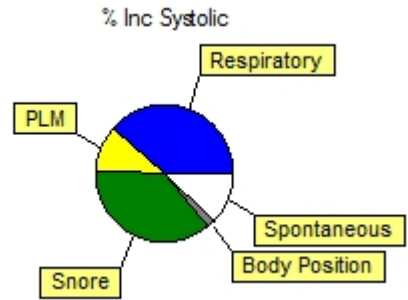
## Nocturnal Blood Pressure Fluctuations (NBPF)

	Number (Index)	Time
<b>Inc. (Index)</b>	<b>57 (8,1)</b>	
Maximum Increase [mmHg]	21	05:06:59
Average Increase [mmHg]	14	
<b>Max. Systolic [mm Hg]</b>	<b>156</b>	<b>02:32:28</b>
Min. Systolic [mmHg]	123	07:19:57
Average Systolic [mmHg]	135	
Artefact [min]	30,3 (6,7%)	

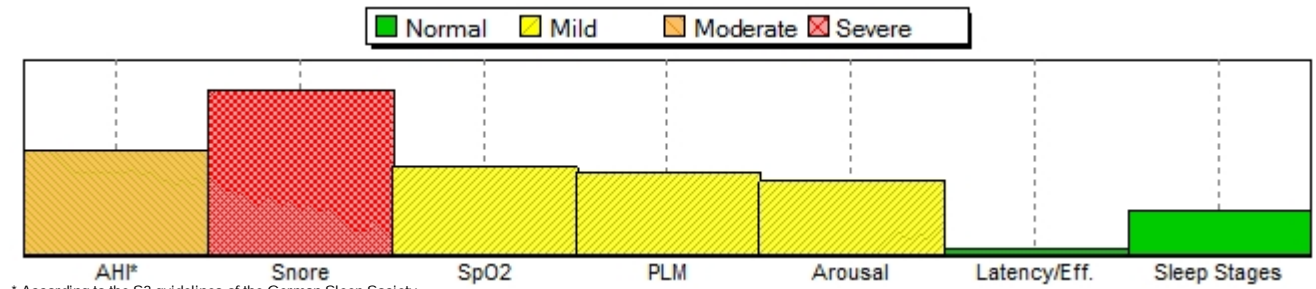


Def. NBPF: Continuous blood pressure increase higher than 12 mmHg within 3 - 30 seconds.

Blood Pressure Inc.	Number (Index)	%
Total	57 (8,1)	100,0
Respiratory Systolic	22 (3,1)	38,6
Flow Limitation	-	-
PLM Systolic	6 (0,9)	10,5
Snore Systolic	21 (3,0)	36,8
Heart Rate Systolic	-	-
Body Position Systolic	1 (0,1)	1,8
Spontaneous Systolic	7 (1,0)	12,3
RERAs Systolic	-	-



## Summary



\* According to the S3 guidelines of the German Sleep Society

