

John Bixby, DMD 2014 164 Patient Study / 30 Severe OSA Patients - Before /After PSG's with the OASYS - Nasal Dilators & Tongue Repositioners



<b>Average AHI Start = 24.6</b>		
<b>Mild to No OSA</b>	AHI < 5	95%
<b>Moderate to No OSA</b>	AHI < 5	70%
<b>Severe to No OSA</b>	AHI < 5	65%
<b>Very Severe to No OSA</b>	AHI < 5	57%
<b>Start O2 Below 90% = 29%</b>		

<b>After Treatment AHI = 5</b>		
<b>Moderate to No OSA</b>	AHI < 10	97%
<b>Severe to No OSA</b>	AHI < 10	87%
<b>Very Severe to No OSA</b>	AHI < 10	74%
<b>After Treatment Below 90% = 2%</b>		

**Notes**  
 All Patients received a Baseline PSG or HST and results were compared to an Oral Appliance Titration PSG performed about 4 months after the start of treatment. No SBD means No Sleep Breathing Disorder.

Age	BMI	Gender	OSA Severity	After Treatment Severity	OA Appliance Type	Baseline Study Date	Baseline AHI	Baseline SPO2 Nadir	Total Sleep Time (min) Baseline Study	min<90% Baseline Study	OA Titration Date	Completed Treatment AHI	Completed Treatment SPO2 Nadir	Total Sleep Time (min) Titration Study	min <90% Titration Study
52	28.35	F	Very Severe	Mild	OASYS	7/29/2011	77.10	64%	147.00	66.50	7/18/2014	5.60	88%	135.00	1.00
24	40.89	M	Very Severe	Mild	OASYS	9/6/2011	120.30	67%	174.50	97.30	2/27/2014	10.00	87%	253.00	1.10
49	29.53	M	Severe	No SBD	OASYS	4/13/2014	48.80	72%	HST	N/A	6/2/2014	2.40	90%	206.50	0.00
36	38.41	F	Severe	No SBD	OASYS	6/18/2013	33.00	77%	372.00	N/A	3/25/2014	4.90	85%	281.00	1.50
58	28.20	M	Severe	No SBD	OASYS	2/1/2011	33.00	84%	HST	N/A	3/21/2014	1.00	89%	186.00	0.00
21	32.24	F	Very Severe	No SBD	OASYS	8/1/2013	88.20	83%	171.00	8.30	2/17/2014	0.00	84%	204.00	0.00
60	21.80	F	Severe	No SBD	OASYS	6/20/2013	31.60	77%	HST	N/A	12/4/2013	1.80	89%	195.50	0.10
36	38.41	F	Severe	Mild	OASYS	6/18/2013	33.00	91%	372.50	N/A	3/25/2014	5.00	90%	281.00	1.30
55	31.61	F	Very Severe	No SBD	OASYS	4/8/2011	65.00	66%	233.50	126.50	9/27/2013	4.50	79%	163.50	11.50
56	43.04	M	Very Severe	No SBD	OASYS	1/28/2012	67.70	75%	238.00	61.50	8/22/2013	4.2	81%	72.00	9.10
64	27.46	M	Severe	No SBD	OASYS	3/2/2011	35.00	64%	257.50	82.10	8/6/2012	1.2	88%	251.00	0.70
45	31.87	M	Very Severe	No SBD	OASYS	12/12/2012	82.00	86%	123.00	1.30	7/15/2013	1.10	93%	160.50	0.00
60	40.21	F	Very Severe	No SBD	OASYS	11/5/2008	67.60	72%	315.00	8.70	6/7/2013	3.20	87%	277.00	0.30
46	32.49	M	Severe	No SBD	OASYS	10/24/2012	45.00	76%	395.00	63.30	6/3/2013	4.50	87%	239.50	0.40
48	39.13	M	Very Severe	No SBD	OASYS	7/31/2012	51.10	82%	182.00	31.40	4/23/2013	3.20	88%	166.50	2.90
60	46.37	M	Severe	Mild	OASYS	6/28/2012	38.00	65%	279.50	205.00	1/2/2013	7.40	64%	448.50	375.00
45	32.95	M	Severe	Mild	OASYS	4/17/2009	46.00	77%	334.50	N/A	11/8/2013	7.70	87%	256.00	1.00
62	26.58	M	Severe	No SBD	OASYS	7/3/2013	39.10	88%	HST	17.00	11/11/2013	4.00	92%	167.00	0.00
48	33.22	M	Very Severe	No SBD	OASYS	10/4/2010	53.50	81%	200.60	15.00	12/26/2012	4.80	81%	421.00	20.00
73	29.76	F	Severe	Mild	OASYS	12/14/2006	37.30	87%	115.80	N/A	10/22/2012	9.70	85%	303.00	5.20
58	27.98	M	Very Severe	No SBD	OASYS	6/1/2012	70.40	83%	351.00	4.40	11/15/2013	0.50	93%	370.00	0.50
42	48.55	M	Very Severe	Mild	OASYS	5/28/2010	78.70	79%	125.00	N/A	9/8/2012	9.40	90%	229.50	0.00
51	38.41	F	Severe	No SBD	OASYS	8/13/2011	32.80	90%	387.00	0.00	8/24/2012	2.50	91%	390.50	0.00
62	26.94	M	Very Severe	No SBD	OASYS	3/2/2007	64.00	87%	247.00	N/A	8/10/2012	1.20	92%	247.50	0.00
39	34.08	M	Severe	No SBD	OASYS	3/16/2006	34.90	75%	409.00	40.00	9/3/2012	4.20	91%	413.00	0.00
53	30.70	M	Severe	No SBD	OASYS	7/15/2010	36.00	79%	306.00	N/A	6/1/2012	2.60	92%	344.50	0.00
43	33.20	M	Severe	No SBD	OASYS	2/18/2011	35.50	80%	325.60	N/A	2/4/2012	1.20	89%	148.00	0.70
37	35.20	M	Severe	No SBD	OASYS	7/7/2011	35.20	82%	285.00	8.90	12/19/2011	2.80	93%	174.50	0.00
51	32.10	M	Severe	No SBD	OASYS	7/12/2011	49.70	85%	3475.00	12.10	10/21/2011	3.60	85%	379.50	1.30
39	24.40	M	Severe	No SBD	OASYS	10/12/2009	36.20	88%	141.00	N/A	9/16/2011	0.30	94%	381.00	0.00