



## Quantified Results of TAP<sup>®</sup>

Sleep Disordered Breathing Solution From Airway Labs

[www.airwaylabs.com](http://www.airwaylabs.com)



# Results Contents

- Method of Research
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# Methods

- 22 patients
- BMI  $33 \pm 6.4$
- Split night PSG,  $\frac{1}{2}$  Cpap,  $\frac{1}{2}$ TAP OA
- OA adjusted to two positions
  - Maximum Active Protrusion (MAP)
  - Maximum Passive (mechanical) Protrusion (MPP)



# Treatment Success: TAP

	Users	Fail.	RDI Before	RDI After
Pancer	67	0	47.7	12.8
Roberts	22	0	43.7	15.6
Gerschman	50	0	39	9
Total	139	0	43.9	11.1

RDI = Respiratory Disturbance Index: The number of sleep disordered breathing events per hour resulting in an arousal from sleep



# Treatment Success: Peer Comparison

	Users	OSA Rating	RDI Before	RDI After	% Imp.
TAP	139	Severe	43.9	11.1	75
Klearway	38	Moderate	32.6	12.1	63
Herbst	20	Moderate	31.7	14.5	54
PM Pos.	15	Moderate	25.8	7.3	71
Snore Guard	27	Mild	19.7	9.7	51

% Imp. = Percentage Improvement

RDI = Respiratory Disturbance Index (see slide4 for definition)



# Peer Compliance Comparison

	Users	Every Night	Intermittant	Stopped Use
TAP	121	90%	2%	8%
Klearway*	76+	< 50%?		> 50%?
Herbst	21	80%	10%	10%
Snore Guard	27	74%		26%

\* Personal communication



# Success of Patients with $RDI > 15$

	Success/ Total	%	RDI* Before	RDI* After
Tap	50/67	75	47.7	12.8
Klearway	27/38	71	32.6	12.1

“Success” is defined as resolution of symptoms and  $RDI < 15$

\* Average of total in group



# SDB Success: OA Versus CPAP

	CPAP	OA
Snoring only	0%	97%
UARS	2%	100%
OSA		
Efficacy	100%	70%
Effectiveness (Eff. X Comp.)	?	> CPAP

CPAP = Continuous Positive Airway Pressure: A means of treating OSA using positive air pressure to form an air splint to open the oropharynx.

OA = Oral Appliance

UARS = Upper Airway Resistance Syndrome: Condition where a patient does not desaturate, but has the symptoms of OSA.



# The TAP<sup>®</sup> Solution

- TAP is the only oral appliance proven effective for the treatment of OSA
- Alleviates snoring in more than 96% of patients who wear the appliances



For more information, including how to order and research, please call (888) NITE TAP (648 3826)