

David Dillard, MD

David Dillard, MD, LLC- Private Practice of Otolaryngology

American Academy of Otolaryngology HNS

American Society of Otolaryngic Allergy

American Rhinologic Society

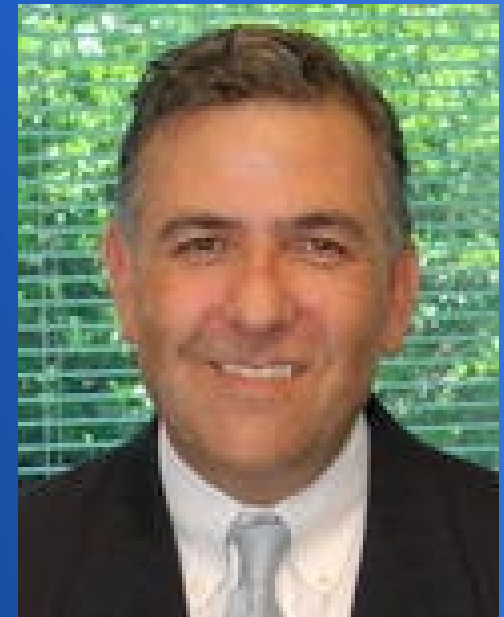
Board Certified : Otolaryngology

Special interests: HNS and Research

Medical School:
University of Alabama

Residency:
Emory University Hospital

Fellowship:
Emory University Hospital





Sleep *and*
Sinus Centers
of Georgia

Synergy of Sleep Surgery and Cardiovascular:

Vivaer, VOAT and friends

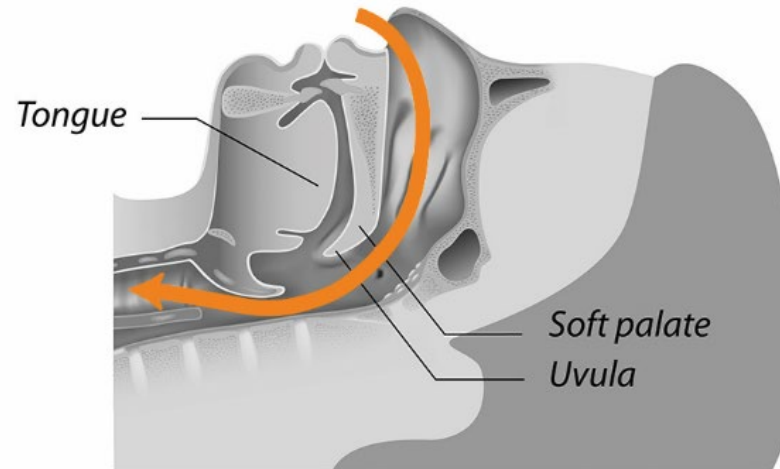
David G. Dillard, MD

Atlanta Allergy and Otolaryngology
Centers

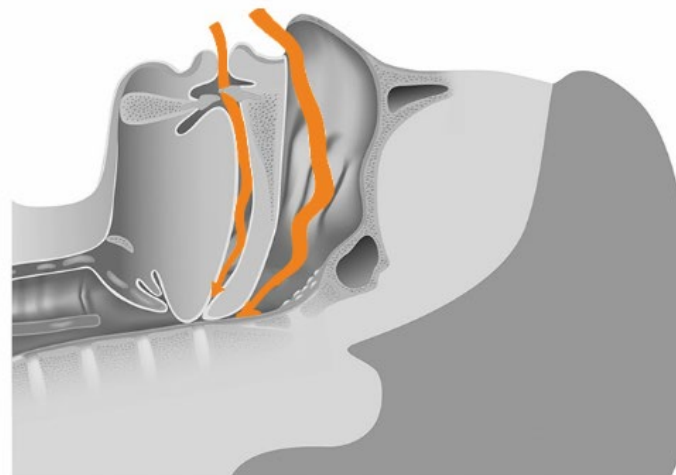


The Major Issue

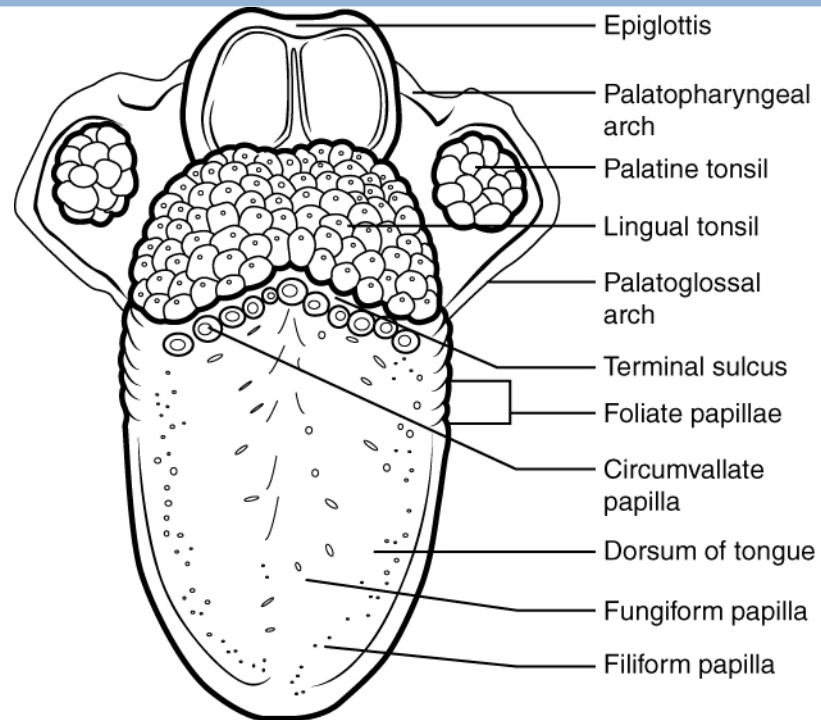
Normal
breathing



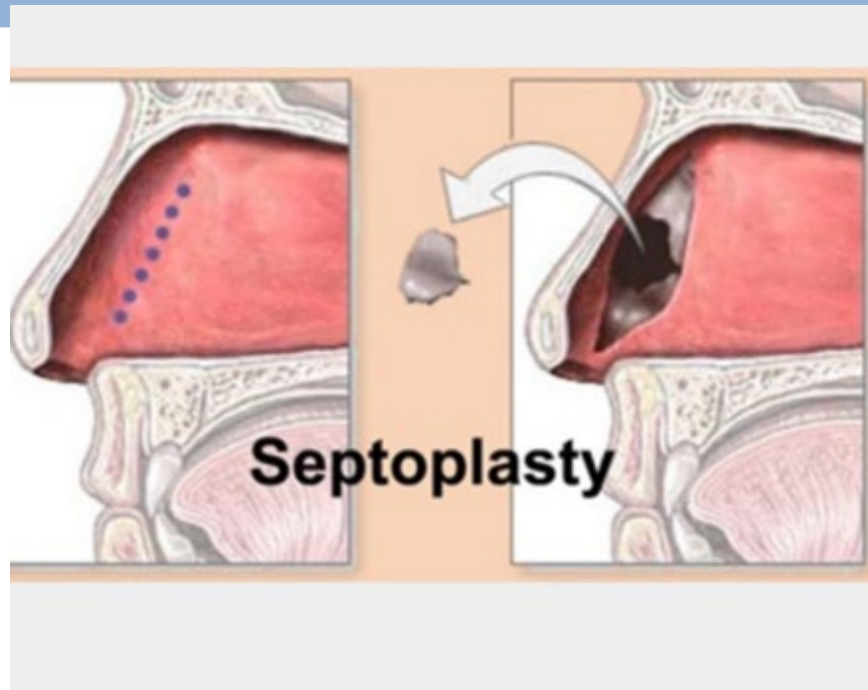
OSA - Complete
obstruction
of the airway



Lingual tonsils



Septoplasty



Balloon Septoplasty

*

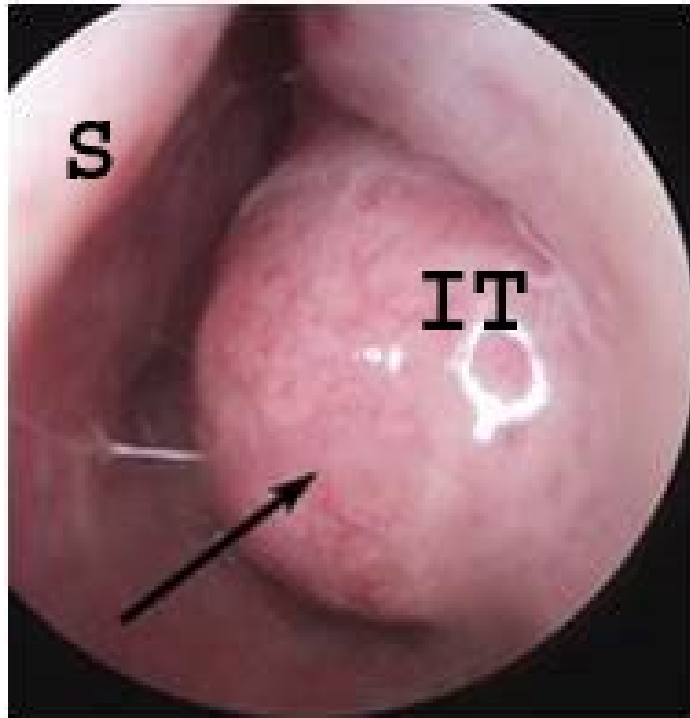
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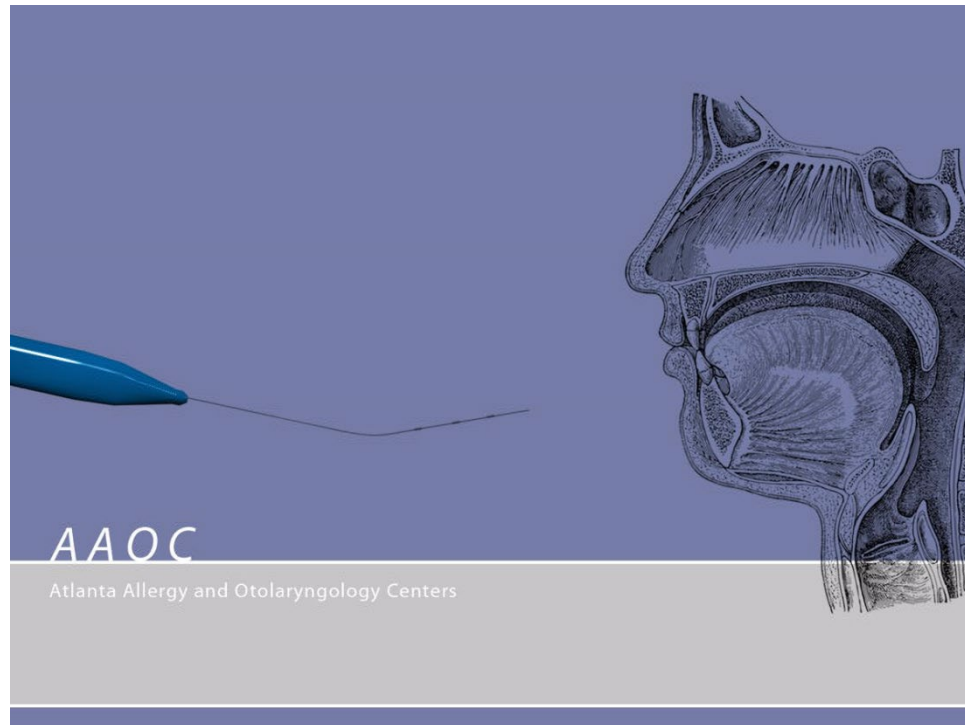
Sinuplasty



Turbinate



VOAT



Surprise

SLEEP SOUNDLY 404-853-6070 p.1

Sleep
Sinus Centers
of Georgia

Polysomnogram Report

DEMOGRAPHICS

Lemaster, Edward	Sex	M	Height (inches)	74
06/16/2014	Date of Birth	1/21/1945	Weight (lbs)	270
David G. Dillard	Age (years)	69	BMI	34.66

71 year old male with a history of OSA hypertension, nasal allergies, acid reflux, and headaches. This is a post RFA study.

Severe sleep disorders breathing with an overall **AHI of 105.2/hr.** The REM AHI was 106.2/hr. The study was 92% with a **NADIR of 80%**. There were unifocal PVCs with an average heart rate of 58.5 and highest heart rate of 106.2/hr. There were no arousals noted. There was a REM latency of N/A. The study was recorded by recording tech.

ARES Sleep

Patient Name	Lemaster, Edward
Date of Night 1	06/02/2016

Overall AHI*	Overall RDI	% time
24	37	

PHYSICIAN INTERPRETATION AND CONCLUSIONS: obstructive sleep apnea (OSA).

CLINICAL HISTORY: 71 year old male present with a history of hypertension, a previous diagnosis of OSA. Based on the clinical history, the patient has a high probability of obstructive sleep apnea (OSA).

SLEEP STUDY FINDINGS: Patient underwent a polysomnogram approximately 3.9 hours, with a sleep latency of 10.5 minutes. Breathing (AHI=24) is noted based on a 4% hypopnea on valid recording time of 3.9 hours and is 1.3 times the number of subtle measures of sleep disordered breathing, the overall AHI is 105.2/hr. There was 1% hypopnea desaturation criteria with confirmatory minimal oxygen desaturation (percent time below 90%) of 3.6%. Sleep disordered breathing events is 3.6%. Snoring pulse rate is 64 BPM, with very frequent pulse rate of 64 BPM.

TREATMENT CONSIDERATIONS: Consider CPAP as a treatment choice based on the AHI severity and clinical history. Consider ENT surgeon for modification to the airway should the patient prefer an alternative treatment.

VIVAER Treatment Overview

In-Office Treatment

- Procedure is optimized for office environment
- Requires only local anesthetic on a fully awake patient with minimal discomfort
- Direct visualization of treatment areas; no endoscope necessary

Time



Treatment time of 30 seconds per site, typically three sites per nostril.

at



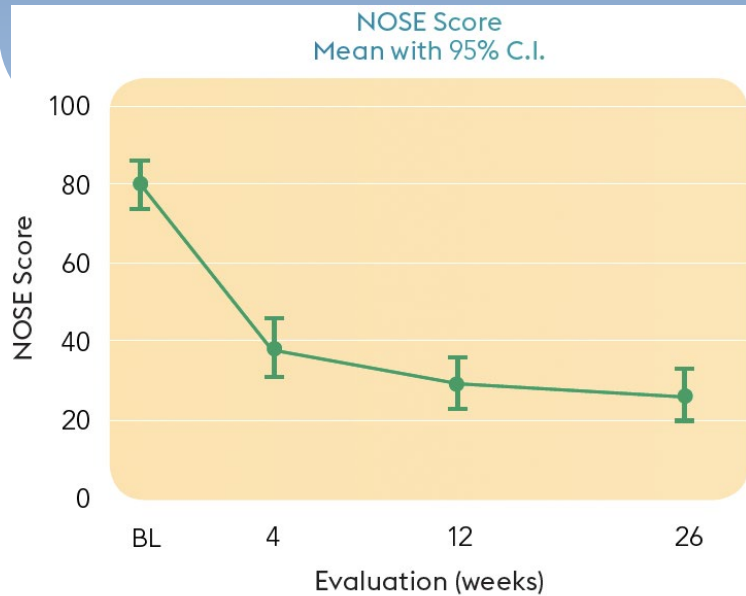
Total procedure time under 15 minutes, including local anesthesia dwell time.



Straightforward, Fast Procedure

Results Comparable to Surgery

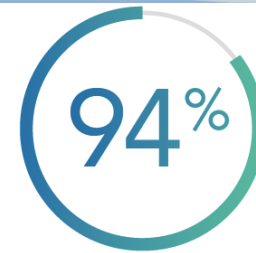
US Pivotal Study



N = 50 at baseline, 4 weeks and 12 weeks.
N = 49 at 26 weeks



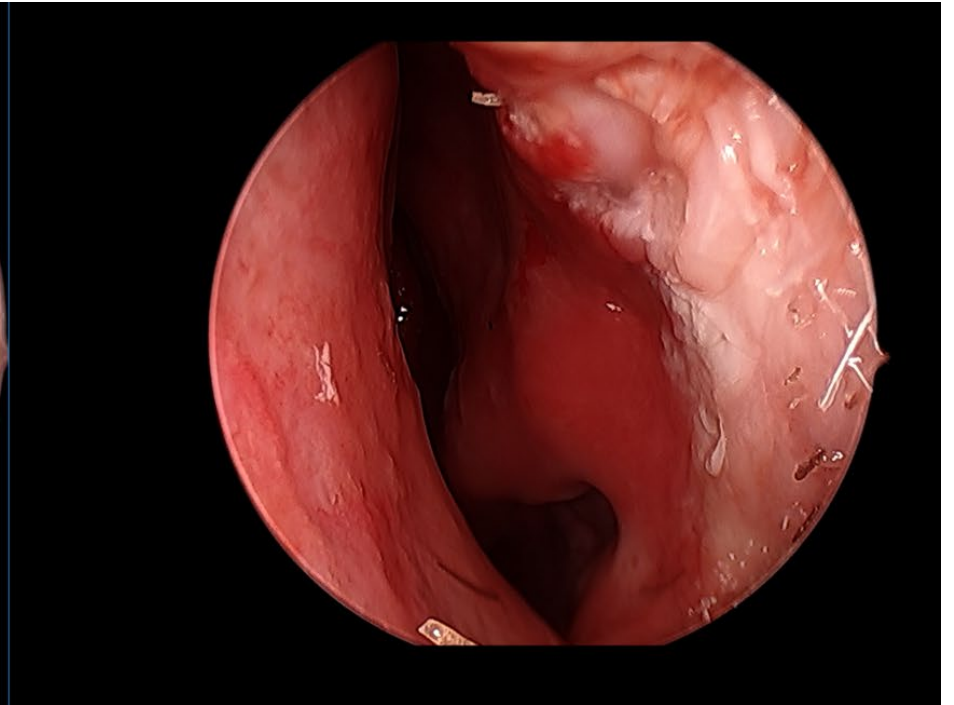
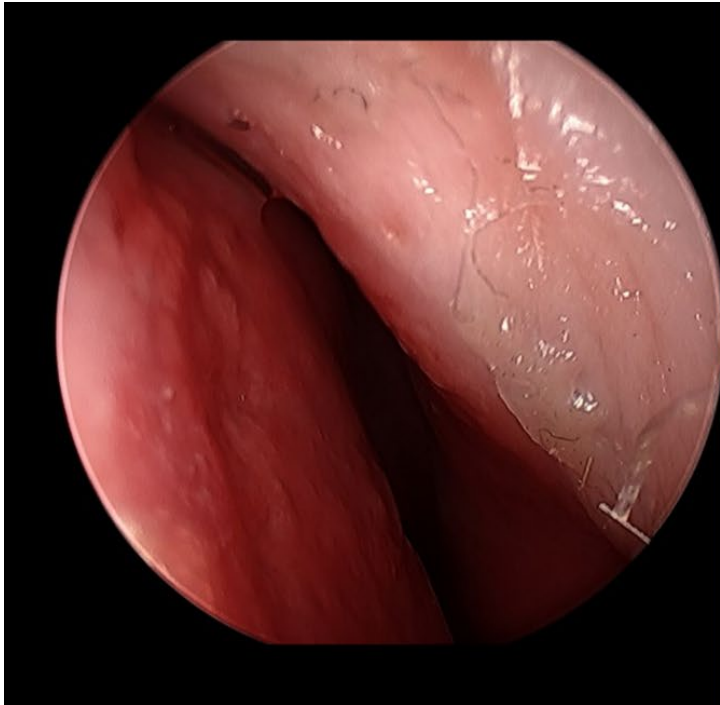
Reduction in
NOSE scores,
similar to
surgery¹



Patient responder
rate to
treatment

¹ Rhee, JS et al. A Systematic Review of Patient Reported Nasal Obstruction Scores, JAMA FacialPlastSurg. 2014;16(3):219-2

VIVAER PRE AND POST



ENDING