UCLA Health School of Medicin

Not your grandfather's UPPP: pharyngoplasty in modern sleep surgery

Eric J. Kezirian, MD, MPH Professor-in-Residence Head and Neck Surgery David Geffen School of Medicine at UCLA

1

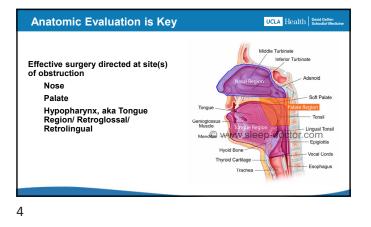
Disclosures

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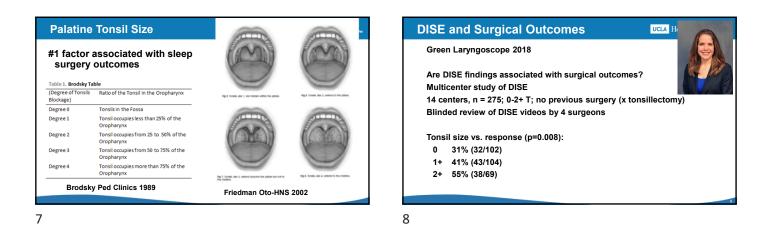
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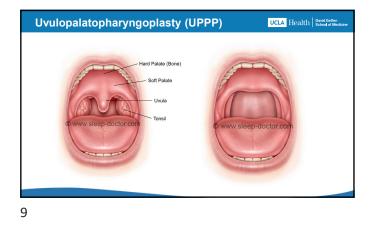
Overview
UCLA Health Determination
Obstructive Sleep Apnea
OSA Surgical Procedures and Outcomes
Surgical Evaluation
3

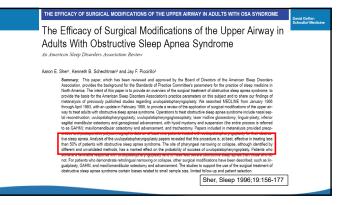


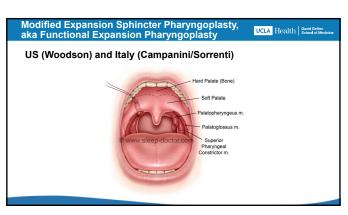
Tongue radiofrequency Uvulopalatopharyngoplasty Genioglossus advancement Expansion sphincter Mortised genioplasty pharyngoplasty Tongue adiofraguency	OSA Surgical Treatment Options						
IntroductorTongue radiofrequencyLateral pharyngoplastyMidline glossectomyAustralian modifiedHyoid suspensionpalatopharyngoplastyTongue suspension/stabilizationUvulopalatal flapPartial epiglottectomyRelocation pharyngoplastyEpiglottis Stiffening OperationZ-PalatoplastyEpiglottis Stiffening Operation							
Barbed reposition Hypoglossal nerve stimulation pharyngoplasty Upper Airway Stimulation (Inspire) Palatal advancement Maxillomandibular advancement							

Palate Procedures	UCLA Health Bavid Geffen School of Medi
Uvulopalatopharyngoplasty	
Expansion sphincter pharyngoplasty	
Lateral pharyngoplasty	
Australian modified palatopharyngoplasty	
Uvulopalatal flap	
Relocation pharyngoplasty	
Z-Palatoplasty	
Barbed reposition pharyngoplasty	
Palatal advancement	

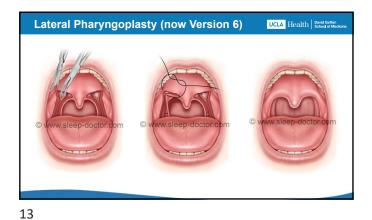




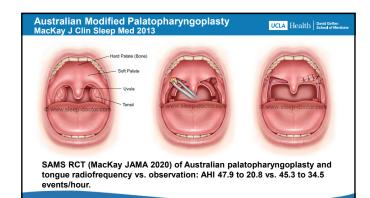




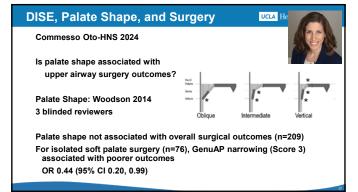
g and Woodson 2007	
RCT; n=45 (23 ESP, 22 UPPP)	Table 1 Preoperative and postoperative AHI results of ESP and UPPP with success rate at AHI 50% reduction and -20
Tonsil 1+ or 2+	ESP UPPP
BMI < 30	Preoperative AHI 44.2 ± 10.2 38.1 ± 6.6 Postoperative AHI 12.0 ± 6.6 19.6 ± 7.9 P value <0.005
"Type I Fujita and lateral wall collapse on [Muller's m.]"	Success rate 82.60% 68.10% AHI reduction 50% and <20
Results: decreased lateral wall collapse with Muller's m.	Table 2 Preoperative and postoperative AHI results of ESP and UPPP with success rate at AHI 50% reduction and <15
•	ESP UPPP
	Preoperative AHI 44.2 ± 10.2 38.1 ± 6.6 Postoperative AHI 12.0 ± 6.6 19.6 ± 7.9 P value <0.005



Cahali SI	EEP 2004 (Vers	ion 2)						
	15) vs. UPPP (1)	,						
•	MMP 3/4, + tonsils, FOE suggesting palate only							
. ,								
		BMI	AHI Pre	AHI Post				
	LP	BMI 29.3	AHI Pre 42	AHI Post 16*	-			



Australian Modified Palatopharyngoplasty



Velum/Palate	UPPP ± tonsillectomy					
	Other palate procedures (Australian, ESP, and LP)					
Oro LW	? Hyoid suspension, ESP, LP, MAD, MMA					
Tongue	Genioglossus advancement					
	Tongue RF					
	Tongue stabilization					
	Tongue resection (BMI >30/32)					
	Upper Airway Stimulation (BMI<32/35/40; multi)					
Epiglottis	Hyoid suspension vs. ESO vs. Epiglottectomy					
Maxillofacial	ММА					
Counseling patients key: BMI, AHI, mandible (SNB), ?age						

Conclusions	UCLA Health School of Medicine
Palate surgery techniques combine tissue resect repositioning, and/or stiffening	tion,
Few (although some are RCTs) direct comparison techniques, but repositioning appears better ou	
My experience is repositioning has fewer side eff	fects
Goal for the future: improving matching of palate to anatomy	e procedures



