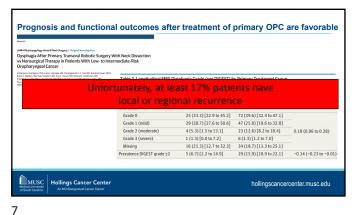


Oropharyngeal squamous cell carcinoma is common OPC is the most common mucosal malignancy of the head and neck >70% of new cases are HPV associated, afflicting young, healthy, non-smokers Rates continue to rise amid the HPV epidemic MUSC | Hollings Cancer Center

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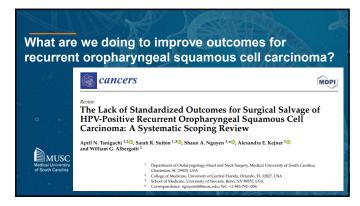
Prognosis and functional outcomes after treatment of primary OPC are favorable JAMA Otolaryngology-Head & Neck Surgery | Original I Dysphagia After Primary Transoral Robotic Surgery With Neck Dissection vs Nonsurgical Therapy in Patients With Low- to Intermediate-Risk Oropharyngeal Cancer MUSC Hollings Cancer Center hollingscancercenter.musc.edu

Prognosis and functional outcomes after treatment of primary OPC are favorable Table 2. Longitudinal MBS Dysphagia Grade (per DIGEST) by Primary Treatment Group DIGEST Score At 3-6 mo
Grade 0
Grade 1 (mild)
Grade 2 (moderate
Grade 3 (severe) 25 (33.3) [22.9 to 45.2] 72 (39.6) [32.4 to 47.1] 22 (32.7) [22.5 (40.7)] 72.5 (40.7) 72.5 (5 (6.7) [2.2 to 14.9] 29 (15.9) [10.9 to 22.1] MUSC Hollings Cancer Center hollingscancercenter.musc.edu



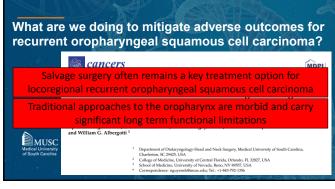
What are we doing to mitigate adverse outcomes for recurrent oropharyngeal squamous cell carcinoma? MUSC | Hollings Cancer Center

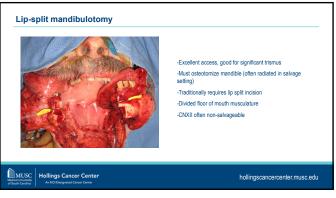
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What are we doing to mitigate adverse outcomes for recurrent oropharyngeal squamous cell carcinoma? cancers Salvage surgery often remains a key treatment option for locoregional recurrent oropharyngeal squamous cell carcinoma HPV-Positive Recurrent Oropharyngeal Squamous Cell Carcinoma: A Systematic Scoping Review April N. Taniguchi 1,2
9, Sarah R. Sutton 1,3 9, Shaun A. Nguyen 1,* 9, Alexandra E. Kejner 1 9
 and William G. Albergotti 1 MUSC

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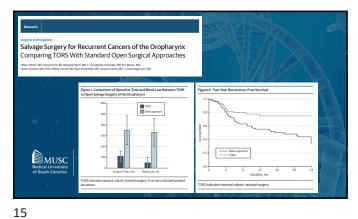


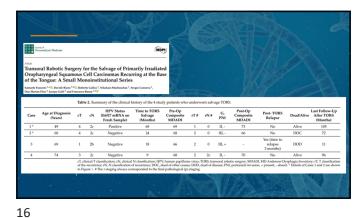


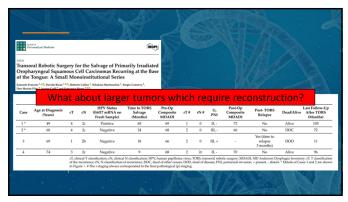
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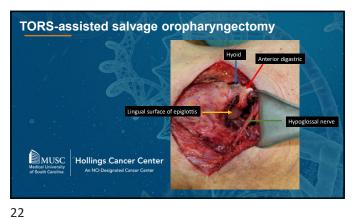


















-Retrospective review of all patients who underwent TORS assisted orophanygectomy with free flap reconstruction from 0.12012 to 0.02015-and subsequent secondary review using same inclusion criteria of a prospective registry data from the MD Anderson Orophanynx Cancer Registry Patient-Reported and Functional Core from 04/2015 to 07/2023 -Reviewed descriptive variables including patient demographics, tumor characteristics and staging (AJCC 8th Ed), operative details, complications, and functional outcomes. -Retrospectively reviewed patient reported outcomes: -MD Anderson Dysphagia Inventory (MDADI) -Performance Scale for Head and Neck Cancer Patients (PSS-HN) MUSC
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26

Age in years at time of surgery, mean (SD)	63.9 (10.4)	Pathology	
Sex		Squamous Cell Carcinoma	41 (87.2)
Female (%)	5 (10.6)	Other	6 (12.8)
Male (%)	42 (89.4)	Persistent/Recurrent Tumor	
Tobacco use status		Yes	37 (78.7)
Never (%)	17 (36.2)	No	10 (21.3)
Former (%)	23 (48.4)	Previous Radiation Therapy	
Current (%)	7 (14.9)	Yes	39 (83)
Comorbidity requiring chronic medication		No	8 (17)
Yes (%)	31 (66)	Previous Systemic Therapy	
No (%)	16 (34)	Yes	36 (76.6)
Primary tumor site		No	11 (23.4)
Tonsil (%)	15 (31.9)	Neoadjuvant Systemic Therapy	
Base of tongue (%)	26 (55.3)	Yes	23 (48.9)
Other oropharynx (%)	5 (10.6)	No	24 (51.1)
Other (%)	1 (2.1)		
Clinical T Stage (AJCC Staging Manual, 8th Ed.)			
1	18 (39.1)		
2	21 (45.7)		
3	4 (8.7)		
4	3 (6.5)		
Clinical N Stage (AJCC Staging Manual, 8th Ed.)			
0	32 (69.6)		
1	7 (15.2)		
2	6 (13.0)		
3	1 (2.2)		
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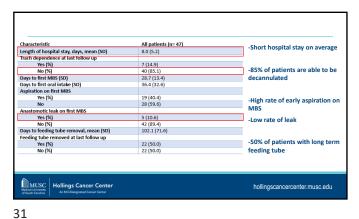
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Clinical T Stage (AJCC Staging Manual, 8th Ed.)		.47 patients included	
1	18 (39.1)	-47 patients included	
2	21 (45.7)	000/ 1	
3	4 (8.7)	-89% male	
4	3 (6.5)		
Clinical N Stage (AJCC Staging Manual, 8th Ed.)		-48% former smokers	
0	32 (69.6)		
1	7 (15.2)	-84.8% cT1 and cT2 tume	ors
2	6 (13.0)		
3	1 (2.2)	97 29/ CCC others inclu	dad mucaanidarmaid carcinama
		 -87.2% SCC, others included mucoepidermoid carcinoma 	
		adenoid cystic carcinoma	
		-83% previously treated with XRT	
		-49% treated with neoadjuvant systemic therapy	
		-49% treated with neoad	juvant systemic therapy
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edical University			hollingscancercenter.musc.edu
f South Carolina An NCI-Designated Cancer Cent			

27 28

All patients (n= 47)	
31 (67)	
14 (29.8)	
3 (6.4)	
34.4 (39.4)	
5 (10.6)	and the last the state of the s
38 (80.9)	-81% unilateral neck dissection
4 (8.5)	
22 (46.8)	
16 (34.0)	Other floor included CCID BACAD and DAD
6 (12.8)	-Other flaps included SCIP, MSAP, and PAP
3 (6.4)	
24 (51.1)	
15 (31.9)	020/
4 (8.5)	-83% used facial artery or superior thyroid artery as
3 (6.4)	recipient
1 (2.1)	recipient
20 (42.6)	
19 (40.4)	
6 (12.8)	-All patients receive tracheostomy
2 (4.3)	-All patients receive tracheostomy
47 (100)	
0 (0)	
	-93.6% already had, or received gastrostomy tube in
31 (66.0)	-55.070 an eady mad, or received gastrostomy tube in
8 (17.0)	perioperative period
5 (10.6)	perioperative period
3 (6.4)	
	14(2)88 34(2)84 34(3)8

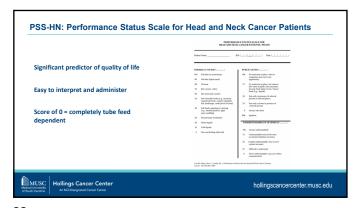
Characteristic	All patients (n= 47)
Total Complications	11 (23.4)
Flap Complications	
Partial flap failure (%)	1 (2.1)
Total flap failure (%)	0 (0)
Return to OR for flap compromise (%)	0 (0)
Bleeding (requiring return to OR) (%)	2 (4.3)
Airway emergency (%)	0 (0)
Medical complication requiring readmission (%)	8 (17.0)
-Overall, 23.4% complication -Low rate of flap failure	rate
-Medical complications include	ded pneumonia,
-Medical complications inclu myocardial infarction, failure	

29 30



MDADI: MD Anderson Dysphagia Inventory This questionnaire asks for your views about your owallowing ability. This information will help us understand how you feel swallowing. The following statements have been made by people who have problems with their swallowing. Some of the st may apply to you. Validated, self administered 20-item measure of swallowing-related quality of 1 = Strongly agree 2 = Agree 3= No Opinion life ranging from 20 (worst) to 100 (best) Composite score change in >10 is widely regarded as clinically relevant significant difference MUSC Hollings Cancer Center
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32



Patient reported outcomes MUSC Hollings Cancer Center hollingscancercenter.musc.edu

33 34



Future directions Incorporate DIGEST score from preoperative and postoperative modified barium swallow data Multivariate regression analysis of patient and surgical predictors of:
- G-Tube dependence
- Tracheostomy dependence
- Short and long term DIGEST and MDADI scores MUSC
Medical University
of South Carolina

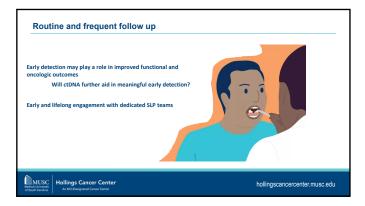
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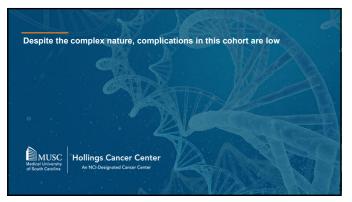
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Thanks! Z-Hye Lee, MD Neil Gross, MD Ryan Goepfert, MD Peirong Yu, MD Katherine Hutchenson, PhD Carly Barbon, PhD James Paget, MD PhD Ariana Sahli, CCRP MUSC Hollings Cancer Center

43 44





45 46