

## Supplementary Online Content

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**eTable 1.** Selected Characteristics of Patients With OPSCC by Treating Institution

**eTable 2.** Multivariable HRs for Disease-Free Survival in Patients With OPSCC

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1.** Selected Characteristics of Patients With OPSCC by Treating Institution

Characteristic	No. (%) of Patients	
	UWMC (n = 74)	UMMC (n = 53)
Age, median (IQR), y	57 (51-62)	59 (53-65)
Tumor subsite		
Base of tongue	38 (51.4)	22 (41.5)
Tonsil	34 (45.9)	29 (54.7)
Other	2 (2.7)	2 (3.8)
Tumor T stage		
1	21 (28.4)	17 (32.1)
2	41 (55.4)	28 (52.8)
3	12 (16.2)	8 (15.1)
4	0	0
Tumor N stage		
0	8 (10.8)	4 (7.5)
1	8 (10.8)	7 (13.2)
2	49 (66.2)	39 (73.6)
3	9 (12.2)	3 (5.7)
Treatment group		
Nonsurgical	35 (47.3)	53 (100)
TORS	39 (52.7)	0

Abbreviations: IQR, interquartile range; OPSCC, oropharyngeal squamous cell carcinoma; TORS, transoral robotic surgery; UMMC, University of Minnesota Medical Center; UWMC, University of Washington Medical Center.

**eTable 2.** Multivariable HRs for Disease-Free Survival in Patients With OPSCC<sup>a</sup>

<b>Multivariable Model Covariate</b>	<b>HR (95% CI)</b>	<b>P Value</b>
p16	0.40 (0.08-1.94)	.25
N stage	0.23 (0.05-1.02)	.053
p16 and N stage	0.31 (0.06-1.50)	.15
N stage and smoking	0.31 (0.06-1.53)	.15
p16, N stage, and smoking	0.36 (0.07-1.91)	.23
N stage, smoking, age, and sex	0.23 (0.04-1.21)	.08
p16, N stage, smoking, age, and sex (full model)	0.22 (0.04-1.36)	.10

Abbreviations: HR, hazard ratio; OPSCC, oropharyngeal squamous cell carcinoma; TORS, transoral robotic surgery.

<sup>a</sup>Patients were matched by T stage and compared between those who underwent transoral robotic surgery and nonsurgical therapy.