UC DAVIS	Oral Cavity Squamous Cell Carcinoma:
HEALTH	Update in Staging & Treatment Recommendations
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Cancer		Risk of Oral Tongue Cancer Among Immunocompromised Transplant Recipients and Human Immunodeficiency Virus-Infected Individuals in the United States	
		Joseph E. Tota, PhD 💇: Eric A. Engels, MD, MPH ¹ ; Margaret M. Madeleine, PhD ² ; Christina A. Clarke, PhD, MPH ¹ ; Charles F. Lynch, MD, PhD ⁴ ; Ana P. Ortiz, PhD, MPH 💕 ; Brenda Y. Hernandez, PhD, MPH ² , and Anil K. Chaturvedi, PhD 📀	
	 Asses trans 	ssed risk of oral tongue cancer in 2 populations: solid organ plant & HIV-infected	
	 They explay young 	question if immunosuppression (and a virally-induced tumor) may in the increase in incidence of oral cavity ca we are seeing in er individuals	
	 Mode incide to imr cance 	st elevation of SCC in transplant and HIV patients (standardized ince ratio of ~2-3) can not conclude that infection or exposure due nunosuppression plays a profound role in the increase in oral tonque irs we see epidemiologically.	
	s		13





























Table 2: Degree C	f shrinkage	of surgical margins obtained from different	anatomical sit
Authors (year)	Sample size	Site	Shrinkage (%)
Mistry et al.,	27	Buccal mucosa	21.2
2005[24]		Tongue	23.5
Cheng et al.,	41	Buccal mucosa, mandibular alveolar ridge, retromolar trigone	71.90
2008[25]		Maxillary alveolar ridge and palate	53.33
EL-Fol et al	61	Buccal mucosa	66.7
2015[26]	01	Tonque	35
		Floor of mouth	33.3
		Retromolar trigone	16.7
		Mandibular alveolus	15.4



















	Does Buccal Cancer Have Worse Prognosis Than Other Oral Cavity Cancers?	
	P. Ryan Camilon, BA; William A. Stokes, BS; Colin W. Fuller, MD, MS; Shaun A. Nguyen, MD, MA; Eric J. Lentsch, MD	
 SEE - 8 	R database study, identified 11,134 patients with oral cavity SCC 25 buccal cancers (7.41%)	
 Buck stag 	cal cancer patients more likely to be older and fewer presented with ge 1 tumors	
 Caswith 	e-matched buccal cancers to other subsites of oral cavity and ended up 817 matched pairs	
5		38

Site	OS	Cumulative Survival	
Oral	2-year	66.80%	
	5-year	51.10%	 Appears that buccal
Buccal	2-year	60.90%	SCC has worse OS
	5-year	44.10%	DSS than other oral cavity subsites
Site	DSS	Cumulative Survival	curry cubonce
Oral	2-year	73.40%	 P < 0.001
	5-year	63.80%	
Buccal	2-year	68.00%	
	5-year	57.30%	

Site	OS	Cumulative Survival	When controlled for
Oral	2-year	64.20%	age, stage, treatment
	5-year	48.10%	lost
Buccal	2-year	60.90%	1001
	5-year	44.10%	
Site	DSS	Cumulative Survival	
Oral	2-year	71.50%	- D=0.112 for OP
	5-year	61.90%	 P=0.113 101 03
Buccal	2-year	67.90%	 P=0.184 for DSS
	5-year	57.40%	































Study Cohort Dem	I ABLE I. ographics and Clir	ical Characteris	tics.	
Variable	SLNB (n = 240) N (%)	END (n = 8,088) N (%)	P Value*	
Clinical T-stage			<0.001	
T1	170 (70.8)	4,039 (49.9)		More T1 tumors in
T2	70 (29.2)	4,049 (50.1)		SLND group
Subsite			< 0.001	SLINB group
Lip	35 (14.6)	182 (2.3)		
Anterior tongue	134 (55.8)	4,839 (59.8)		 More lin cancers in
Upper or lower gum	12 (5.0)	618 (7.6)		wore up concers in
Floor of mouth	33 (13.8)	1,274 (15.8)		SLNB group
Hard palate	2 (0.8)	116 (1.4)		
Buccal	14 (5.8)	557 (6.9)		DOL was loss in SLNI
RMT or other mouth	10 (4.2)	502 (6.2)		• DOI Was less III stine
Depth			< 0.001	group
< 2 mm	20 (12.4)	252 (4.4)		
2-4 mm	19 (11.8)	366 (6.4)		
4–10 mm	35 (21.7)	1,396 (23.4)		
> 10 mm	87 (54.0)	3,732 (64.9)		

Study Cohort Demog	TABLE I. raphics and Clini	cal Characteristi	cs.
Variable	SLNB (n = 240) N (%)	END (n = 8,088) N (%)	P Value
Lymphovascular invasion			0.01
Absent	225 (93.8)	7,173 (88.7)	
Present	15 (6.2)	913 (11.3)	
Extracapsular extension			0.12
Absent/not recorded	225 (95.7)	7,325 (93.1)	
Present	10 (4.3)	540 (6.9)	
Treatment summary			
Surgical margins			0.79
Negative	223 (93.3)	7,501 (93.8)	
Positive	16 (6.7)	500 (6.2)	











Head Neck. 2005 Oct;27(10):843-50.		
Defining risk levels in locally adva concurrent postoperative radiatio 9501).	anced head and neck cancers: n plus chemotherapy trials of	a comparative analysis of the EORTC (#22931) and RTOG
Bernier J ¹ , Cooper JS, Pajak TF, van Glabbeke M, Bo	urhis J. Forastiere A. Ozsahin EM. Jacobs JR. Ja	assem J. Ang KK. Lefébvre JL.
1	Table 1. Summary of trials.	
Disease characteristic and outcome endpoint	EORTC #22931 (N = 334)	RTOG #9501 (N = 459; 414 analyzed)
Characteristic		
Primary site		
Oral cavity	26%	27%
Oropharynx	30%	42%
Larynx	22%	21%
Hypopharynx	20%	10%
Other	1%	<1%
T classification		
T1-2	33%	39%
T3-4	66%	61%
Unknown	1%	0%
N classification		
NO-1	43%	6%
N2-3	57%	94%
Outcome endpoint, chemoradiotherapy vs RT		
Locoregional failure rate	5-y estimate, 18% vs 31% (p = .007)	3-y estimate, 22% vs 33% (p = .01)
Disease-free survival rate	5-y estimate, 47% vs 36% (p = .04)	3-y estimate, 47% vs 36% (p = .04)
Overall survival rate	5-y estimate, 53% vs 40% (p = .02)	3-y estimate, 56% vs 47% (p = .09)

















Case #2	#6
Treatment? Hemi-glossectomy, ipsilateral neck dissection, free flap reconstruction	
Path: 3.9cm verrucous carcinoma, DOI 12mm, margins negative (4mm), no PNI or LVI	
25 lymph nodes examined, 1 positive (1.7cm with ENE)	
Stage? • T3N2a	
S	73





References	
Full reference list can be provided upon request	
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