

Supplemental Online Content

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eTable 1. Demographic and tumor characteristics for SCC tumors in organ transplant recipients and general population cohorts stratified by site

eTable 2. Characteristics of SCC tumors by transplant type

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eTable 1. Demographic and tumor characteristics for SCC tumors in organ transplant recipients and general population cohorts stratified by site

	Organ transplant			General population		
	Head/neck (n=285)	Arms/hands (n=240)	Trunk/lower limb (n=213)	Head/neck (n=812)	Arms/hands (n=896)	Trunk/lower limb (n=839)
Age at diagnosis						
<50	15 (5.3)	11 (4.6)	10 (4.7)	47 (5.8)	53 (5.9)	25 (3.0)
50-59	76 (26.7)	59 (24.6)	53 (24.9)	197 (24.3)	221 (24.7)	201 (24.0)
60-69	157 (55.1)	142 (59.2)	121 (56.8)	475 (58.5)	520 (58.0)	488 (58.2)
70 or more	37 (13.0)	28 (11.7)	29 (13.6)	93 (11.5)	102 (11.4)	125 (14.9)
Sex						
Female	27 (9.5)	42 (17.5)	51 (23.9)	165 (20.3)	356 (39.7)	323 (38.4)
Male	258 (90.5)	198 (82.5)	162 (76.1)	647 (79.7)	540 (60.3)	516 (61.5)
Perineural invasion						
No	197 (92.9)	182 (99.5)	161 (99.4)	562 (98.4)	612 (99.8)	616 (99.0)
Yes	15 (7.1)	1 (0.6)	1 (0.6)	9 (1.6)	1 (0.2)	6 (1.0)
Tumor invasion						
Dermis	168 (76.7)	176 (97.8)	154 (95.7)	698 (92.6)	799 (98.8)	748 (99.1)
To/beyond fat	51 (23.3)	4 (2.2)	7 (4.4)	56 (7.4)	10 (1.2)	7 (0.9)
Tumor grade						
Poorly-differentiated	41 (15.1)	19 (8.4)	13 (6.3)	35 (4.5)	9 (1.0)	12 (1.5)
Moderately-differentiated	155 (57.0)	111 (49.3)	75 (36.2)	372 (47.6)	235 (27.3)	164 (20.6)

	Organ transplant			General population		
	Head/neck (n=285)	Arms/hands (n=240)	Trunk/lower limb (n=213)	Head/neck (n=812)	Arms/hands (n=896)	Trunk/lower limb (n=839)
Well-differentiated	76 (27.9)	95 (42.2)	119 (57.5)	374 (47.9)	616 (71.6)	618 (77.8)
Tumor size						
≤20mm	245 (95.3)	216 (94.7)	190 (95.5)	746 (96.8)	853 (98.6)	794 (96.8)
>20mm	12 (4.7)	12 (5.3)	9 (4.5)	25 (3.2)	12 (1.4)	26 (3.2)

eTable 2. Characteristics of SCC tumors by transplant type

	Kidney (n=458)	Lung (n=88)	Liver (n=195)	
	Count (%)	Count (%)	Count (%)	P value
Body site				
Head/neck	167 (36.6)	55 (62.5)	63 (32.5)	
Scalp	22 (13.2)	10 (18.2)	16 (25.4)	
Ear	26 (15.6)	4 (7.3)	5 (7.9)	
Face	97 (58.1)	25 (45.5)	26 (41.3)	
Lip	6 (3.6)	6 (10.9)	7 (11.1)	
Neck	16 (9.6)	10 (18.2)	9 (14.3)	
Trunk	49 (10.8)	7 (8.0)	22 (11.3)	
Arms/hands	156 (34.2)	19 (21.6)	65 (33.5)	
Legs/feet	84 (18.4)	7 (8.0)	44 (22.7)	<0.001
<i>Missing</i>	2	-	1	
Perineural invasion				
No	332 (96.8)	70 (94.6)	140 (98.6)	
Yes	11 (3.2)	4 (5.4)	2 (1.4)	0.26
<i>Missing</i>	115	14	53	
Level of tumor invasion				
Dermis	281 (88.6)	64 (82.1)	154 (92.8)	
To/beyond subcutaneous fat	36 (11.4)	14 (18.0)	12 (7.2)	0.04

	Kidney (n=458)	Lung (n=88)	Liver (n=195)	
	Count (%)	Count (%)	Count (%)	P value
<i>Missing</i>	141	10	29	
Tumor grade				
Poorly differentiated	49 (11.4)	18 (20.4)	6 (3.2)	
Moderately differentiated	225 (52.3)	41 (46.6)	77 (40.7)	
Well differentiated	156 (36.3)	29 (33.0)	106 (56.1)	<0.001
<i>Missing</i>	28	-	6	
Tumor size				
≤20mm	397 (93.4)	78 (95.1)	179 (99.4)	
>20mm	28 (6.6)	4 (4.9)	1 (0.6)	0.007
<i>Missing</i>	33	6	15	