

**Supplementary Table 1. Demographics and treatment summary for patients with unilateral (ipsi- or contralateral) ENE nodes**

	Positive	20(4.0)	4(20.0)	3(0.9)	1(33.3)	13(13.1)	2(15.4)	4(5.3)	1(25.0)
	Negative	481(96.0)	286(59.5)	323(99.1)	220(68.1)	86(86.9)	34(39.5)	72(94.7)	32(44.4)
<b>Size of flap (Length of skin island)</b>									
	No	105(21.0)	64(61.0)	67(20.6)	50(74.6)	11(11.1)	2(18.2)	27(35.5)	12(44.4)
	0-10cm	159(31.7)	97(61.0)	101(31.0)	72(71.3)	32(32.3)	12(37.5)	26(34.2)	13(50.0)
	10-15cm	131(26.2)	69(52.7)	86(26.4)	53(61.6)	29(29.3)	9(31.0)	16(21.1)	7(43.8)
	15-20cm	72(14.4)	37(51.4)	47(14.4)	26(55.3)	22(22.2)	11(50.0)	3(3.9)	0.0000
	≥20cm	34(6.8)	23(67.7)	25(7.7)	20(80.0)	5(5.1)	2(40.0)	4(5.3)	1(25.0)
<b>Flap type</b>									
	Anterolateral thigh flap	270(53.9)	148(54.8)	191(58.6)	119(62.3)	46(46.5)	14(30.4)	33(43.4)	15.0000
	Fibular flap	10(2.0)	8(80.0)	10(3.1)	8(80.0)	0	NA	0.0000	NA
	Radial forearm flap	75(15.0)	51(68.0)	53(16.3)	41(77.4)	10(10.1)	4(40.0)	12(15.8)	6(50.0)
	Latissimus dorsi flap	7(1.4)	2(28.6)	1(0.3)	0.0000	5(5.1)	2(40.0)	1(1.3)	0.0000
	Pectoralis myocutaneous flap	34(6.8)	17(50.0)	4(1.2)	3(75.0)	27(27.3)	14(51.9)	3(3.9)	0.0000
	Direct close or regional flap	105(21.0)	64(61.0)	67(20.6)	50(74.6)	11(11.1)	2(18.2)	27(35.5)	12.0000
<b>Perioperative complications<sup>&amp;</sup></b>									
	Surgical site infection	59(11.8)	24(40.7)	37(11.4)	16(43.2)	12(12.1)	5(41.7)	10(13.2)	3(30.0)
	Pulmonary infection	80(16.0)	46(57.5)	58(17.8)	38(65.5)	9(9.1)	3(33.3)	13(17.1)	5(38.5)
	Chyle leakage	19(3.8)	9(47.4)	13(4.0)	6(46.2)	4(4.0)	3(75.0)	2(2.6)	0.0000
	Orocutaneous fistula	38(7.6)	14(36.8)	17(5.2)	9(52.9)	11(11.1)	2(18.2)	10(13.2)	3(30.0)
	Flap necrosis	17(3.4)	4(23.5)	12(3.7)	4(33.3)	3(3.0)	1(33.3)	2(2.6)	0.0000
	Hematoma	15(3.0)	10(66.7)	11(3.4)	9(81.8)	0	NA	4(5.3)	1(25.0)
	Delirium	21(4.2)	10(47.6)	12(3.7)	7(58.3)	7(7.1)	3(42.9)	2(2.6)	0.0000
	Wound dehiscence	44(8.8)	19(43.2)	31(9.5)	14(45.2)	1(1.0)	1(100.0)	12(15.8)	4(33.3)
	DVT	8(1.6)	6(75.0)	7(2.1)	6(85.7)	0	NA	1(1.4)	0.0000
<b>Postoperative adjuvant therapy</b>									
	Radiotherapy	310(61.9)	177(57.1)	202(62.0)	136(67.3)	53(53.5)	16(30.2)	55(72.4)	25(45.5)
	Chemotherapy	9(1.8)	4(44.4)	6(1.8)	3(50.0)	3(3.0)	1(33.3)	0.0000	NA
	Radio-chemotherapy	100(20.0)	63(63.0)	75(23.0)	54(72.0)	15(15.2)	4(26.7)	10(13.2)	5(50.0)
	Radiotherapy and anti-EGFR therapy	22(4.4)	13(59.1)	9(2.8)	5(55.6)	9(9.1)	6(66.7)	4(5.3)	2(50.0)
	Chemotherapy and anti-EGFR therapy	12(2.4)	9(75.0)	10(3.1)	7(70.0)	2(2.0)	2(100.0)	0.0000	NA
	Radio-chemotherapy and anti-EGFR therapy	24(4.8)	16(66.7)	24(7.4)	16(66.7)	0	NA	0.0000	NA
	None	24(4.8)	8(33.3)	0	NA	17(17.2)	7(41.2)	7(9.2)	1(14.3)

NA: Not Applicable

<sup>a</sup>: Neck dissection for the ENE side was counted; SOND: Supra-omohyoid neck dissection (Level I-III); extended SOND: extended supra-omohyoid neck dissection (Level I-IV); RND: Radical neck dissection (Level I-V)

<sup>&</sup>: Some cases had multiple complications.

HPV: Human papillomavirus; DVT: Deep venous thrombosis.

**Supplementary Table 2. The characteristics of primary or recurrent oral lesions in patients with unilateral ENE nodes**

Variables	The whole groups		The PL group		The RL group		The INM group	
	N(%)	The DFS rate	N(%)	The DFS rate	N(%)	The DFS rate	N(%)	The DFS rate
<b>Primary or recurrent subsite</b>								
Buccal mucosa	73(14.6)	38(52.1)	41(12.6)	25(12.6)	11(11.1)	7(63.6)	21(27.6)	6(28.6)
Floor of mouth	137(27.3)	79(57.7)	84(25.8)	61(25.8)	48(48.5)	15(31.3)	5(6.6)	3(60.0)
Retromolar trigone	20(4.0)	10(50.0)	19(5.8)	10(52.6)	1(1.0)	0.0000	0.0000	NA
Upper Gingiva	22(4.4)	19(86.4)	16(4.9)	15(93.8)	2(2.0)	1(50.0)	4(5.3)	3(75.0)
Tongue	201(40.1)	113(56.2)	132(40.5)	88(66.7)	31(31.3)	9(29.0)	38(50.0)	16(42.1)
Hard palate	28(65.6)	18(64.3)	18(5.5)	11(61.1)	3(3.0)	2(66.7)	7(9.2)	5(71.4)
Lower Gingiva	20(4.0)	13(65.0)	16(4.9)	11(68.8)	3(3.0)	2(66.7)	1(1.3)	0.0000
<b>Pathologic grade</b>								
I	69(13.8)	35(50.7)	30(9.2)	23(76.7)	20(20.2)	5.0000	19(25.0)	7(36.8)
II	356(71.1)	208(58.4)	245(75.2)	159(64.9)	62(62.6)	25(25.0)	49(64.5)	24(49.0)
III	76(15.2)	47(61.8)	51(15.6)	39(76.5)	17(17.2)	6(35.3)	8(10.5)	2(25.0)
<b>T classification*</b>								
T1	10(2.0)	7(70.0)	2(0.6)	2(100.0)	4(4.0)	1(25.0)	4(5.3)	4(100.0)
T2	105(21.0)	62(59.0)	67(20.6)	47(70.2)	21(21.2)	7(33.3)	17(22.4)	8(47.1)
T3	284(56.7)	166(58.5)	182(55.8)	127(70.0)	57(57.6)	20(35.1)	45(59.2)	19(42.2)
T4	102(20.4)	55(53.9)	75(23.0)	45(60.0)	17(17.2)	8(47.1)	10(13.2)	2(20.0)
<b>Size of oral lesion</b>								
0-2cm	13(2.6)	8(61.5)	5(1.5)	4(80.0)	4(4.0)	1(25.0)	4(5.3)	3(75.0)
2-4cm	165(32.9)	99(60.0)	104(31.9)	74(71.2)	34(34.3)	11(32.4)	27(35.5)	14(51.9)
4-6cm	248(49.5)	145(58.5)	157(48.2)	108(68.8)	53(53.5)	22(41.5)	38(50.0)	15(39.5)
>6cm	75(15.0)	38(50.7)	60(18.4)	35(58.3)	8(8.1)	2(25.0)	7(9.2)	1(14.3)
<b>DOI&gt;10mm</b>								
Yes	239(47.7)	133(55.6)	153(46.9)	100(65.4)	59(59.6)	23(39.0)	27(35.5)	10(37.0)
No	262(52.3)	157(60.0)	173(53.1)	121(70.0)	40(40.4)	13(32.5)	49(64.5)	23(46.9)
<b>Midline involvement</b>								
Yes	100(20.0)	53(53.0)	64(19.6)	40(62.5)	20(20.2)	8(40.0)	16(21.1)	5(31.3)
No	401(80.0)	237(59.1)	262(80.4)	181(69.1)	79(79.8)	28(35.4)	60(78.9)	28(46.7)
<b>PNI</b>								
Yes	122(24.4)	67(54.9)	82(25.2)	55(67.1)	26(26.3)	9(34.6)	14(18.4)	3(21.4)
No	379(75.6)	223(58.8)	244(74.9)	166(68.0)	73(73.7)	27(37.0)	62(81.6)	30(48.4)
<b>Bone destruction (oral lesion)</b>								
Yes	93(18.6)	43(46.2)	60(18.4)	32(53.3)	23(23.2)	7(30.4)	10(13.2)	4(40.0)
No	408(81.4)	247(60.5)	266(81.6)	189(71.1)	76(76.8)	29(38.2)	66(86.8)	29(43.9)

<b>Skull base involvement</b>	<b>Yes</b>	<b>20(4.0)</b>	<b>8(40.0)</b>	<b>14(4.3)</b>	<b>6(42.9)</b>	<b>5(5.0)</b>	<b>1(20.0)</b>	<b>1(1.3)</b>	<b>1(100.0)</b>
	<b>No</b>	<b>481(96.0)</b>	<b>282(58.6)</b>	<b>312(95.7)</b>	<b>215(68.9)</b>	<b>94(95.0)</b>	<b>35(37.2)</b>	<b>75(98.7)</b>	<b>32(42.7)</b>

## **NA: Not Applicable.**

\*: T classification of the RL or INM group was based on the pathological characteristics of their prior primary lesions according to AJCC system.

**Supplementary Table 3.** The characteristics of metastatic lymph nodes and ENE features in patients with unilateral ENE nodes

	Yes	232(46.3)	121(52.2)	152(46.6)	91(59.9)	42(42.4)	13(31.0)	38(50.0)	17(44.7)
	No	269(53.7)	169(62.8)	174(53.4)	130(74.7)	57(57.6)	23(40.4)	38(50.0)	16(42.1)
<b>Muscular invasion</b>									
	Yes	246(49.1)	122(49.6)	157(48.2)	91(58.0)	51(51.5)	16(31.4)	38(50.0)	15(39.5)
	No	255(50.9)	168(65.9)	169(51.8)	130(76.9)	48(48.5)	20(41.7)	38(50.0)	18(47.4)
<b>Arterial encasement</b>									
	Yes	15(3.0)	2(13.3)	10(3.1)	2(20.0)	3(3.0)	0.0	2(26.3)	0.0
	No	486(97.0)	288(59.3)	316(96.9)	219(69.3)	96(97.0)	36(37.5)	74(97.4)	33(44.6)
<b>Internal jugular cancer embolism</b>									
	Yes	48(9.6)	16(33.3)	29(8.9)	12(41.4)	13(13.1)	2(15.4)	6(7.9)	2(33.3)
	No	453(90.4)	274(60.5)	297(91.1)	209(70.4)	86(86.9)	34(39.5)	70(92.1)	31(44.3)
<b>Lymph node necrosis</b>									
	Yes	132(26.3)	56(42.4)	88(27.0)	44(50.0)	25(25.3)	6(24.0)	19(25.0)	6(31.6)
	No	369(73.7)	234(63.4)	238(73.0)	177(74.4)	74(74.7)	30(40.5)	57(75.0)	27(47.4)
<b>Bone involvement</b>									
	Yes	50(10.0)	25(50.0)	35(10.7)	19(54.3)	9(9.1)	2(22.2)	6(7.9)	4(66.7)
	No	451(90.0)	265(58.8)	291(89.3)	202(69.4)	90(90.9)	34(37.8)	70(92.1)	29(41.4)
<b>Lymph node ratio (LNR)*</b>									
	Mean ± standard deviation	0.26±0.29		0.26±0.28		0.24±0.24		0.28±0.28	
<b>Number ratio between ENE and excised nodes&amp;</b>									
	Mean ± standard deviation	0.19±0.27		0.18±0.25		0.14±0.17		0.19±0.25	

NA: Not Applicable

\*: The number of metastatic nodes divided by the total number of excised nodes.

&: The number of ENE nodes divided by the total number of excised nodes.

**Supplementary Table 4. Summary of death causes of patients with unilateral ENE nodes**

Variables	N(%)			
	The whole groups	The PL group	The RL group	The INM group
<b>Death causes (Overall)</b>				
locoregional recurrence	94(44.6)	53(50.5)	25(39.7)	16(27.2)
Distant metastasis	54(25.6)	29(27.6)	12(19.0)	13(30.2)
Distant metastasis and locoregional recurrence	55(26.1)	20(19.0)	22(34.9)	13(30.2)
Non-oncologic cause	8(3.8)	3(2.9)	4(6.3)	1(2.3)

**Supplementary Table 5. The Cox regression DFS survival analysis of the characteristics of patients with unilateral ENE nodes**

Variables	The whole groups		The PL group		The RL group		The INM group	
	Univariate analysis	Multivariate analysis(OR,95%CI)						
Treatment group	<0.001	<0.001(1.295~1.785)	NA		NA		NA	
ENE found via preoperative imaging	<0.001	<0.001(1.365~2.969)	<0.001	<0.001(1.917~5.430)	0.078		0.375	
ICCR-subclassification	0.437		0.418	0.030(0.261~0.935)	0.612		0.399	
Fusion of oral lesion and metastatic lymph nodes	0.012		0.003	0.018(1.422~40.671)	NA		NA	
Maximum size of ENE nodes	<0.001	0.036(0.696~0.988)	<0.001		0.066		0.775	
Number of lymph nodes	0.255		0.005		0.026	0.017(1.004~1.046)	0.830	0.082(0.936~1.004)
Number of metastatic lymph nodes	0.539		0.570		0.301		0.085	
Number of ENE nodes	0.206		0.037		0.602		0.346	
Level of ENE nodes	0.974		0.812		0.238		0.040	
The side of the ENE nodes	0.167		0.343		0.856		0.933	
Soft tissue involvement	0.012		0.004		0.210		0.634	
Muscular invasion	<0.001		<0.001		0.088		0.466	
Arterial encasement	<0.001	0.035(1.047~3.584)	<0.001	0.010(1.917~5.430)	0.013		0.475	
Internal jugular cancer embolism	<0.001	0.016(1.103~2.616)	0.001		0.012		0.571	
metastatic node necrosis	<0.001	0.010(1.125~2.350)	<0.001		0.017	0.011(1.175~3.487)	0.458	0.079(0.893~7.647)
Bone involvement	0.205		0.071		0.142		0.251	
HPV status	0.066		0.856		0.707		0.920	
LNR	0.024	0.031(0.095~0.891)	<0.001		0.734		0.152	0.021(<0.001~0.367)
Number ratio between ENE and excised nodes	0.002	0.008(1.486~14.602)	<0.001	0.001(1.532~4.820)	0.844		0.809	0.048(1.057~47134.133)

DFS: Disease-free survival.

NA: Not Applicable

HPV: Human papillomavirus; LNR: Lymph node ratio.

**Supplementary Table 6. The Cox regression TTR analysis of the characteristics of patients with unilateral ENE nodes.**

Variables	The whole groups		The PL group		The RL group		The INM group	
	Univariate analysis	Multivariate analysis(OR,95%CI)						
Treatment Group	<0.001	<0.001(1.292~1.796)	NA		NA		NA	
ENE found via preoperative imaging	<0.001	<0.001(1.397~3.070)	<0.001	<0.001(1.709~4.667)	0.049		0.294	0.085(0.883~6.846)
ICCR-subclassification	0.303		0.395	0.076(0.300~1.062)	0.448		0.374	

<b>Fusion of oral lesion and metastatic lymph nodes</b>	<b>0.047</b>		<b>0.016</b>		<b>NA</b>		<b>NA</b>
<b>Maximum size of ENE nodes</b>	<b>&lt;0.001</b>	<b>0.031(0.691~0.982)</b>	<b>&lt;0.001</b>		<b>0.031</b>		<b>0.916</b>
<b>Number of lymph nodes</b>	<b>0.087</b>		<b>0.002</b>		<b>0.163</b>		<b>0.805</b>
<b>Number of metastatic lymph nodes</b>	<b>0.647</b>		<b>0.726</b>		<b>0.320</b>	<b>0.056(0.993~1.708)</b>	<b>0.111</b>
<b>Number of ENE nodes</b>	<b>0.210</b>		<b>0.059</b>		<b>0.654</b>	<b>0.013(0.366~0.888)</b>	<b>0.362</b>
<b>Level of ENE nodes</b>	<b>0.776</b>		<b>0.757</b>		<b>0.182</b>	<b>0.021(1.137~4.760)</b>	<b>0.061</b>
<b>Side of ENE nodes</b>	<b>0.252</b>		<b>0.459</b>		<b>0.943</b>		<b>0.978</b>
<b>Soft tissue involvement</b>	<b>0.021</b>		<b>0.005</b>		<b>0.331</b>		<b>0.709</b>
<b>Muscular invasion</b>	<b>&lt;0.001</b>		<b>0.001</b>		<b>0.077</b>		<b>0.533</b>
<b>Arterial encasement</b>	<b>&lt;0.001</b>		<b>&lt;0.001</b>	<b>&lt;0.001(2.002~8.561)</b>	<b>0.023</b>		<b>0.827</b>
<b>Internal jugular cancer embolism</b>	<b>&lt;0.001</b>	<b>0.001(1.332~3.056)</b>	<b>&lt;0.001</b>		<b>0.004</b>	<b>0.008(1.307~6.200)</b>	<b>0.447</b>
<b>metastatic node necrosis</b>	<b>&lt;0.001</b>		<b>&lt;0.001</b>		<b>0.010</b>		<b>0.545</b>
<b>Bone involvement</b>	<b>0.223</b>		<b>0.092</b>		<b>0.176</b>		<b>0.296</b>
<b>HPV status</b>	<b>0.697</b>		<b>0.732</b>		<b>0.535</b>		<b>0.920</b>
<b>LNR</b>	<b>0.018</b>	<b>0.005(0.092~0.872)</b>	<b>&lt;0.001</b>		<b>0.911</b>	<b>0.047(&lt;0.001~0.912)</b>	<b>0.168</b>
<b>Number ratio between ENE and excised nodes</b>	<b>0.002</b>	<b>0.007(1.530~15.379)</b>	<b>&lt;0.001</b>	<b>0.001(1.560~4.944)</b>	<b>0.953</b>		<b>0.715</b>

TTR: Time-to-relapse.

NA: Not Applicable.

HPV: Human papillomavirus; LNR: Lymph node ratio.

Supplementary Table 7. The Cox regression TTR analysis of demographics and treatment in patients with bilateral ENE nodes

Variables	The whole groups		The PL group		The RL group		The INM group	
	Univariate Analysis	Multivariate analysis(OR,95%CI)						
<b>Treatment group</b>	<b>0.038</b>							
Age	<b>0.301</b>		<b>0.746</b>		<b>0.364</b>		<b>0.572</b>	
Sex	<b>0.622</b>		<b>0.843</b>		<b>0.640</b>		<b>0.716</b>	
<b>Histories of smoking and alcohol</b>	<b>0.297</b>		<b>0.631</b>		<b>0.658</b>		<b>0.445</b>	
Comorbidities	<b>0.310</b>		<b>0.252</b>		<b>0.026</b>		<b>0.418</b>	
<b>History of prior treatment</b>	<b>0.079</b>		<b>0.150</b>		NA		<b>0.723</b>	
<b>Ipsilateral neck dissection</b>	<b>0.702</b>		<b>0.379</b>		<b>0.861</b>		<b>0.882</b>	
<b>Contralateral neck dissection</b>	<b>0.509</b>		<b>0.459</b>		<b>0.586</b>		<b>0.592</b>	
<b>En-bloc resection</b>	<b>0.067</b>		<b>0.097</b>	<b>0.032(0.287~0.946)</b>	<b>0.428</b>		NA	

Surgical margin	<b>0.008</b>	<b>0.006(1.322~5.114)</b>	<b>0.258</b>	<b>0.019</b>	<b>0.019(1.270~13.884)</b>	<b>0.390</b>
Flap size	<b>0.150</b>		<b>0.373</b>		<b>0.932</b>	<b>0.077</b>
Flap type	<b>0.892</b>		<b>0.625</b>		<b>0.507</b>	<b>0.087</b>
Postoperative adjuvant therapy	<b>0.018</b>	<b>0.020(0.727~0.974)</b>	<b>0.880</b>		<b>0.450</b>	<b>0.338</b>
HPV status	<b>0.725</b>		<b>0.719</b>		<b>0.549</b>	<b>0.713</b>
Perioperative complications	<b>0.018</b>	<b>0.047(1.006~2.485)</b>	<b>0.007</b>	<b>0.003(1.375~4.666)</b>	<b>0.542</b>	<b>0.172</b>

TTR: Time-to-relapse.

NA: Not applicable.

\*: Including a case whose primary lesions were found both in the tongue and thyroid, but mostly the tongue.

HPV: Human papillomavirus.

Supplementary Table 8. The Cox regression TTR analysis of metastatic lymph nodes in patients with bilateral ENE nodes.

Variables	The whole groups		The PL group		The RL group		The INM group	
	Univariate analysis	Multivariate analysis(OR,95%CI)	Univariate analysis	Multivariate analysis(OR,95%CI)	Univariate analysis	Multivariate analysis(OR,95%CI)	Univariate analysis	Multivariate analysis(OR,95%CI)
ENE found via preoperative imaging	<b>0.079</b>		<b>0.698</b>		<b>0.261</b>		<b>0.210</b>	
ICCR-subclassification	<b>0.005</b>	<b>0.060(0.966~5.585)</b>	<b>0.017</b>		<b>0.351</b>		<b>0.308</b>	
Fusion of oral lesion and metastatic lymph nodes	<b>0.194</b>		<b>0.108</b>		<b>0.282</b>		<b>0.159</b>	
Maximum size of ENE nodes	<b>&lt;0.001</b>	<b>0.039(1.013~1.661)</b>	<b>0.003</b>		<b>0.540</b>		<b>0.009</b>	<b>0.004(1.243~3.058)</b>
Number of ipsilateral lymph nodes	<b>0.621</b>		<b>0.604</b>	<b>0.072(0.996~1.101)</b>	<b>0.515</b>		<b>0.110</b>	
Number of contralateral lymph nodes	<b>0.397</b>		<b>0.819</b>		<b>0.257</b>		<b>0.690</b>	
Number of ipsilateral metastatic lymph nodes	<b>0.774</b>		<b>0.794</b>		<b>0.233</b>	<b>0.013(0.666~0.952)</b>	<b>0.281</b>	
Number of contralateral metastatic lymph nodes	<b>0.849</b>		<b>0.578</b>		<b>0.069</b>		<b>0.099</b>	<b>0.099(0.975~1.334)</b>
Number of ipsilateral ENE nodes	<b>0.631</b>		<b>0.358</b>		<b>0.685</b>		<b>0.885</b>	
Number of contralateral ENE nodes	<b>0.500</b>		<b>0.262</b>		<b>0.556</b>		<b>0.091</b>	
Level of ipsilateral ENE nodes	<b>0.956</b>		<b>0.498</b>		<b>0.046</b>		<b>0.432</b>	
Level of contralateral ENE nodes	<b>0.866</b>		<b>0.294</b>		<b>0.812</b>		<b>0.562</b>	
Bilateral ENE nodes in I-III level	<b>0.947</b>		<b>0.725</b>		<b>0.009</b>	<b>0.001(2.228~20.259)</b>	<b>0.432</b>	
Fusion of ipsilateral metastatic lymph nodes	<b>0.329</b>		<b>0.195</b>		<b>0.697</b>		<b>0.797</b>	
Fusion of contralateral metastatic lymph nodes	<b>0.261</b>		<b>0.693</b>		<b>0.887</b>		<b>0.317</b>	
Soft tissue involvement	<b>0.007</b>		<b>0.020</b>	<b>0.055(0.006~0.060)</b>	<b>0.092</b>		<b>0.201</b>	
Muscular invasion	<b>0.004</b>		<b>0.004</b>	<b>0.016(0.336~17.346)</b>	<b>0.115</b>		<b>0.185</b>	
Arterial encasement	<b>0.001</b>	<b>0.092(0.957~1.806)</b>	<b>0.044</b>	<b>0.010(1.258~5.344)</b>	<b>0.223</b>		<b>0.042</b>	
Internal jugular cancer embolism	<b>0.045</b>		<b>0.718</b>	<b>0.054(0.013~1.037)</b>	<b>0.002</b>	<b>&lt;0.001(8.582~1305.690)</b>	<b>0.050</b>	
metastatic node necrosis	<b>0.630</b>		<b>0.845</b>		<b>0.007</b>		<b>0.977</b>	
Bone involvement	<b>0.056</b>		<b>0.084</b>		<b>0.668</b>		<b>0.494</b>	
HPV status	<b>0.725</b>		<b>0.719</b>		<b>0.549</b>		<b>0.713</b>	
LNR	<b>0.53</b>		<b>0.955</b>		<b>0.085</b>		<b>0.02</b>	

**Number ratio between ENE and excised nodes**

**0.114**

**0.834**

**0.837**

**0.118**

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**NA: Not Applicable.**