



2002 AJCC  
CT MRI Mancuso

1992 5 2003 12 11 7 가 , 10  
5040 cGy 6780 cGy  
5986 cGy  
43 가 33  
가 , 10  
76  
43  
가 37 , 가 6 ,  
32 78 56  
43  
2 120 38  
1  
SPSS(V12)  
Kaplan - Meier Log - rank test  
T1 3 ,  
T2가 22 , T3가 14 , T4가 4 ,  
N0가 10 , N1 10 , N2a 8 , N2b 11 N3  
가 4 (Table 1).  
Fisher 's exact test . p - value가 0.05

40 (paramedian mandibulo-  
tomy)  
37  
1 , 4  
가 33  
25 , 6 ,

cN0 10  
가 가  
33 가  
7 가  
43  
16%(7/43) 가  
21% (7/33)  
T2가 5%(1/20), T3 36%(5/14), T4가 25%(1/4) ,  
T1(n=3) 1 (Table 2). 가  
4 (57%, 4/7),  
2 (29%, 2/7), 1 (14%, 1/7)가  
1  
가 33

**Table 1.** Clinical staging for overall patient population (n=43)

cT	cN					Total (n)
	N0	N1	N2a	N2b	N3	
T1	0	0	1	1	1	3
T2	7	5	5	4	1	22
T3	3	5	2	3	1	14
T4	0	0	0	3	1	4
Total (n)	10	10	8	11	4	43

(p=0.016)(Table 3).

**Table 2.** Incidence of contralateral occult metastases by T stage (n=43)

T Stage	No. of cases	N+(%)
T1	3	0 ( 0%)
T2	22	1 ( 5%)
T3	14	5 (36%)
T4	4	1 (25%)
Total	43	7 (21%)

**Table 3.** Clinical factors affecting to the contralateral positive node in tonsillar cancer patients with ipsilateral pN (+) (n=33)

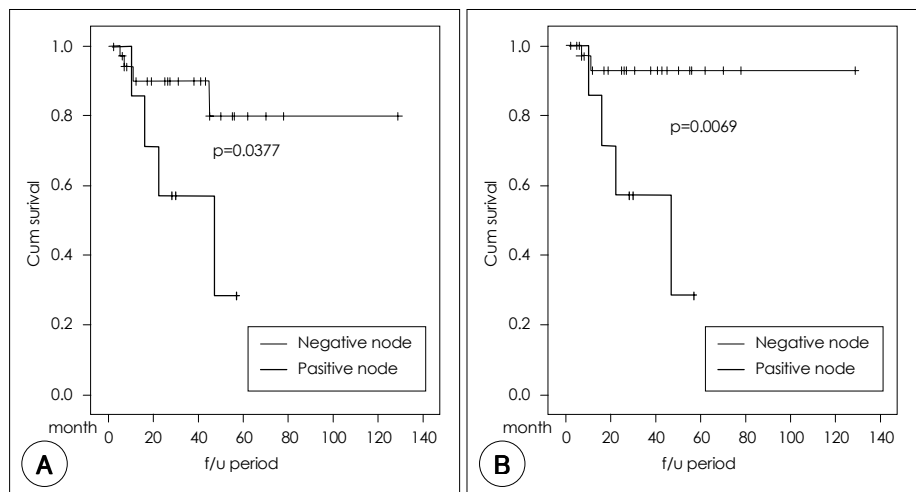
Variables	Patients with positive node, No.(%)	p value
Age, y		0.614
<50	1/7 (14)	
≥50	6/26 ( 4)	
Sex		0.763
Male	6/27 (22)	
Female	1/6 (17)	
T Stage		0.016*
T1+T2	1/18 ( 6)	
T3+T4	6/15 (40)	
Ipsilateral cN (+)		0.547
Multiple	3/11 (27)	
Solitary	4/22 (18)	
Extratonsillar extension		0.833
Yes	3/13 (23)	
No	4/20 (20)	

No : number, \* : p<0.05

가 43 34 , 6 , 가 2 , 1 . pN0 10 가 7 4 (57%)가 22 . Kaplan - Meier 5 가 7 가 28% , 가 36 80%, 92% (p=0.0377 & 0.0069)(Fig. 1).

가 3-6) Givens 7) 162 NO 5 가 Spiro 8) . 70% N1 가 27% 1069 5 가 28% 8% 30% 9)10) 가

**Fig. 1.** Overall survival curve (A) and disease specific survival curve (B) according to contralateral positive neck.



가 .<sup>11-13)</sup>

가

가 .<sup>14)15)</sup> T2

35%

16)17)

가

16%(7/43) ,

(21%, 7/33).

가

T3N(+)

T3

N0

port

가

(xerostomia)

가

port

가

가 .<sup>18-20)</sup> O Sullivan<sup>21)</sup>

228

port

T2

N0

21%

T3

가

가

가

가 . Candela<sup>22)</sup> Shah<sup>23)</sup>

가

, Spiro<sup>17)</sup> Byers<sup>24)</sup> 가

Vartanian<sup>13)</sup> , ,

level

가

가

( - )

가

가 T3

가

43

가

21%

가 T3

가

가

T3N(+)

가

:

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