

95 가 가 51 44 7 41 가 3 가 41 41 38 3 63.3 49 81 60 가 18 가 70 50 12.7 : 1 15 15 (2 9) 11 AJCC(1992) 가 1998 12 가 5 Kaplan - Meier 5 T 5 zero - point 20 7 14 1 가 2 2 가 6 3 가 13 4 가 20 3 4 가 33 T- T1 3 T2 2 T3 12 T4 3 T1 1 T2 4 T3 1 T4 1 T2 2 T3 7 T4 5 N- N0 8 N1 6 N2 5 N3 1 N0 5 N1 2 N2 0 N3 0 N0 6 N1 2 N2 6 N3 0 (Table 1 and 2).

41 38 92.6%

가 20 가 verrucous carcinoma 2 , basaloid - squamous carcinoma 1 가 .

가 23 가 (vertical hemilaryngectomy) 5

Table 1. Distribution by site and stage of laryngeal cancer

	Supraglottic	Glottic	Transglottic	Total
Stage	1	1	0	2
	1	4	1	6
	10	1	2	13
	8	1	11	20
Total	20	7	14	41

Table 2. Distribution of cases by TN stage and site

		N0	N1	N2	N3	Total
Supraglottic	T1	1		2		3
	T2	1		1		2
	T3	5	5	1	1	12
	T4	1	1	1		3
	Total	8	6	5	1	20
Glottic	T1	1				1
	T2	4				4
	T3		1			1
	T4		1			1
	Total	5	2			7
Transglottic	T2	1		1		2
	T3	1	1	5		7
	T4	4	1			5
	Total	6	2	6		14

Table 3. Method of surgical treatment according to T-stage

Surgical modalities	T-stage				
	T1	T2	T3	T4	Total
Supraglottic cancer	3	2	12	3	20
Total laryngectomy		1	3	3	7
Supraglottic laryngectomy	3	1	7		11
Extended supraglottic laryngectomy				2	2
Glottic cancer	1	4	1	1	7
Total laryngectomy		1	1	1	3
Hemilaryngectomy	1	3			4
Transglottic cancer		2	7	5	14
Total laryngectomy		1	7	5	13
Hemilaryngectomy			1		1
Total	4	8	20	9	41

(horizontal supraglottic laryngectomy) 11 ,
(extended horizontal supraglottic laryngectomy) 2 가

11 9

(Table 3).

가 22 가 14 , 36
(51) 15
radical neck dissection(RND) modified
radical neck dissection(MRND) 4 , MRND 4 ,
selective neck dissection(SND) 7
21 RND 3 , MRND 17 , SND 1
(Table 4), 60.7%,
1.9% .
15 , 4
4 가

Table 4. Methods of surgical treatment according to N stage

		Bilateral			Unilateral		
		MRND	SND	RND/MRND	RND	MRND	SND
Supraglottic	N0		3			4	
	N1		2			4	
	N2	1	1	2			1
	N3					1	
Glottic	N0					4	
	N1					1	
	N2						
	N3						
Transglottic	N0	1	1			2	
	N1					2	
	N2	2		2	2		
	N3						
Total		4	7	4	3	17	1

false positive : 60.7%, false negative : 1.9%

Table 5. Postoperative complication and site of failure

Complication	No.
Pharyngocutaneous fistula	7
Stomal stenosis	5
Dysphagia	3
Laryngeal stenosis	2
Carotid artery rupture	1
Wound disruption	1

Site of failure	
Primary site	1
Neck	5
Distant metastasis	8

가 7 가

(Table 5).

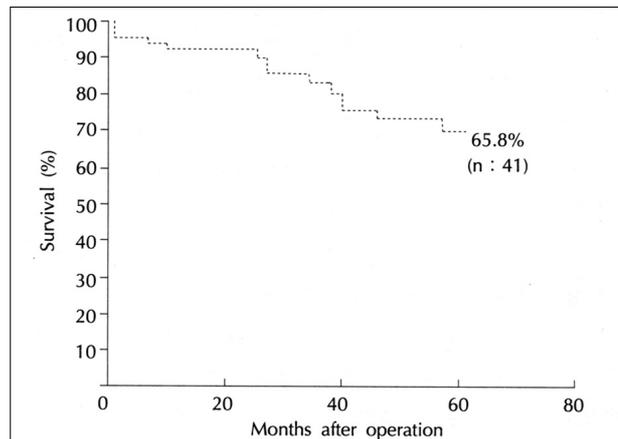


Fig. 1. Overall 5-year survival curve.

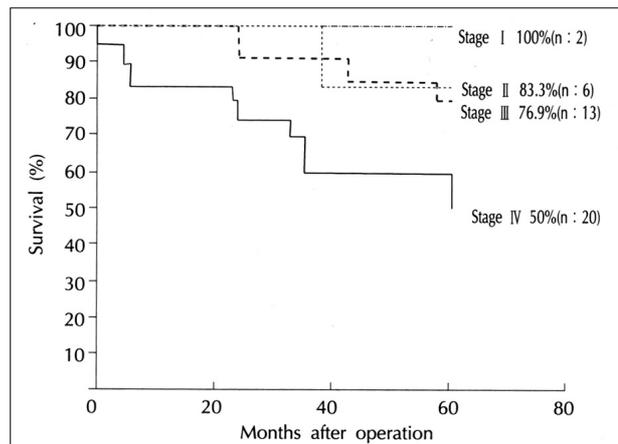


Fig. 2. 5-year survival curve by stage.

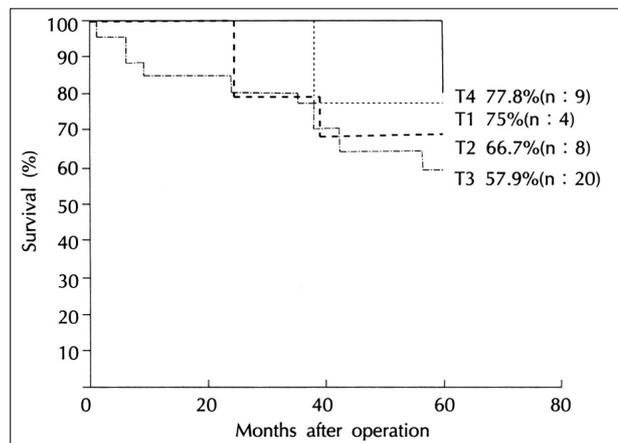


Fig. 3. 5-year survival curve by T stage.

가 8
1, 5 1 (Ta -
가 (Table 5).

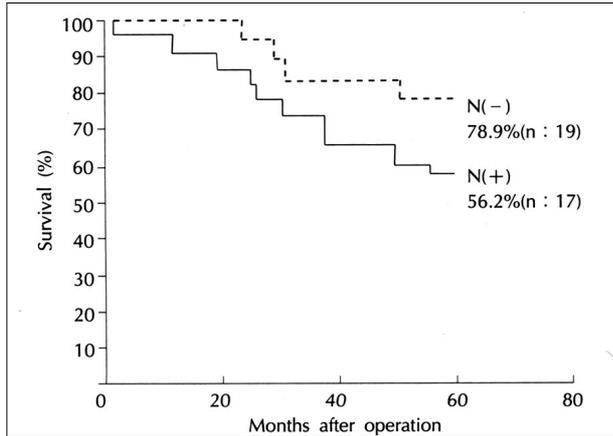


Fig. 4. 5-year survival curve by nodal state.

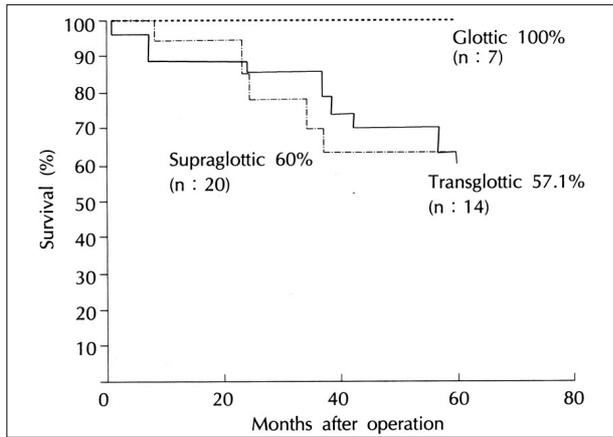


Fig. 5. 5-year survival curve by Site.

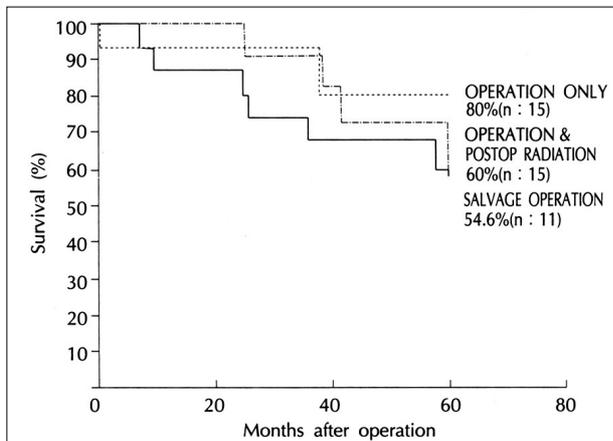


Fig. 6. 5-year survival curve by treatment modalities.

5 65.8% (Fig. 1). AJCC
5 stage 100%, stage 83.3%,
stage 76.9%, stage 50% (Fig. 2), T -
5 T1 75%, T2 66.7%, T3 57.9%, T4
77.8% (Fig. 3).
N(-) 78.9%, N(+) 56.2% (Fig.
4).
5 60%,
100%, 57.1% (Fig. 5).
5 80%,
60%,
54.6% (Fig. 6).

, 가
95
가
가 Lee 2)
3 stage 10 100%, st -
age 11 90%, Johnson 3)
T1 90 98%
T2 94%
T1, T2
가
4) T2
가 가

가 . 가 . 가 . 가

stage 2
stage 6
1 T2

Stage 2

(Stage)

3 , 가 56.2%

1.9%

가 ,⁵⁾

Lee²⁾ 3, 4
3 3, 4
50%, 0%

Reddy⁶⁾
(hemilaryngectomy)

60% Moon¹²⁾ 22.5% (12.2%)

가 , N- 가 가,

가⁷⁾

가 가

10
8.8%, 3.7%
6
9.3%, 1.2%

stage , 33 23
stage 76.9%, stage 50% 5
stage⁸⁾⁹⁾ stage 가 4 N2 3 가 2 5
3 가 1 T2, N0

가¹⁰⁾ 40%
Kim¹¹⁾ 3
가 53%
Moon¹²⁾ 3 가 70.4%,
가 31.5% 가 78.9%, 가 5
60.7%,
가 N
Choi¹³⁾ 2.2% 65.5%
Choi¹⁴⁾ 12.2%, Shim¹⁵⁾ 47.5%
41 7
가 17.1% 3
Kim¹⁶⁾ 8%,
5
4
stage
가 3
Kim¹⁷⁾
3.7%,
Shim⁸⁾
35.2%,
1 (2.5%), 5 (12.5%),
가 8 (19.5%)
8 T4

Shim 8) 44.2%, 56.2% ,
 Kim 9) 80% 3 , Moon 12) 46.3%,
 66.7% , 57.1%
 60%, 100%,
 20 (T3, T4)가 15 12
 T3 가 가 ,
 가 T1, T2가 N NO,
 N1 , T4 가
 Kim 9) 90%, 74%,
 Moon 12) 67% 3 ,
 68%, 51.6%, 40% 3
 80%, 60%, 54.6%
 5
 41
 가
 가 가 T
 가

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