

방사선조사후 재발한 후두암에서 상운상후두부분절제술의 의의

왕 수 건 · 이 병 주

Supracricoid Partial Laryngectomy for Recurrent Laryngeal Cancer

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- ABSTRACT -

Background and Objectives : Recurrent laryngeal cancer after radiotherapy was mainly treated by total laryngectomy because of multifocal recurrent site, delayed diagnosis and inaccurate surgical margin, etc. Recently, it is possible to preserve voice function through conservative laryngeal surgery in case of radiation failed laryngeal cancer with strict application of indication. In this study, authors studied the curability of supracricoid partial laryngectomy for radiation failed laryngeal cancers. **Materials and Methods** : We analyzed retrospectively 18 radiation failed laryngeal cancer patients who were treated with supracricoid partial laryngectomy with cricothyroidopiglottopexy (CHEP) or cricothyroidopexy (CHP), from May 1996 through September 2000. Their recurrent TNM stage were T1 in 7 patients, T2 in 7 patients, T3 in 3 patients, T4 in 1 patient. Evaluation of oncological and functional results were conducted. Mean follow-up period was 22 months. **Results** : Local recurrence occurred in 1 patient (6%) and cricoid perichondritis in 5 patients (28%), pharyngocutaneous fistula in 1 patient (6%) after operation. Four patients (22%) had to be treated with completion laryngectomy. Voice function were preserved in 14 patients (78%). **Conclusion** : Our experience with supracricoid partial laryngectomy with CHEP or CHP suggests that this technique can be a valuable alternative to total laryngectomy in radiation failed laryngeal cancer. (*J Clinical Otolaryngol* 2000;11:280-285)

KEY WORDS : Supracricoid partial laryngectomy · Radiation failure · Laryngeal cancer · Salvage operation.

서 론

ucous carcinoma)

가

Bosch¹⁾

T1 9 21%, T2 28 44%

가 (verr -

6

: 2000 10 10

: 2000 12 17

: , 602 - 739

1가 10

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가

가

가 :
 Biller²⁾
 5 mm cricohyoidopexy(CHP)
 가 가 가
 Fisher³⁾ Biller²⁾ 가 가
 1 24
 Viani⁴⁾
 (surgical indication)
 가 (transglottic cancer) T3 T4
 대상 및 방법
 1990 Laccourreye⁵⁾
 (safety margin)
 1996 5
 2000 9
 18
 45 77
 cricohyoidopiglottopexy(CHEP) 59 16

Table 1. Subject and outcome

No	Age	Diagnosis	Initial TNM	rTNM	OP	Complication	Outcome
1	M/54	Glottica ca.	T2N0M0	T2N0M0	SCP/c CHEP		Recurrence(CL)
2	M/54	Glottica ca.	T1aN0M0	T1aN0M0	SCP/c CHEP		
3	M/54	Glottica ca.	T1bN0M0	T1bN0M0	SCP/c CHEP		
4	M/53	Glottica ca.	T3N0M0	T3N0M0	SCP/c CHEP		
5	M/57	Glottica ca.	T1bN0M0	T1bN0M0	SCP/c CHEP		
6	M/45	Glottica ca.	T2N0M0	T2N0M0	SCP/c CHEP		
7	M/65	Glottica ca.	T1aN0M0	T1aN0M0	SCP/c CHEP		
8	M/53	Glottica ca.	T2N0M0	T3N0M0	SCP/c CHEP		
9	M/56	Glottica ca.	T1bN0M0	T4N0M0	SCP/c CHEP	Cricoid perichondritis	CL
10	M/45	Glottica ca.	T2N0M0	T2N0M0	SCP/c CHEP		
11	M/60	Glottica ca.	T3N0M0	T3N0M0	SCP/c CHEP	Cricoid perichondritis	CL
12	M/57	Glottica ca.	T2N0M0	T2N0M0	SCP/c CHEP	Pharyngocutaneous fistula	CL
13	M/70	Supraglottic ca.	T1N0M0	T2N0M0	SCP/c CHEP	Cricoid perichondritis	
14	M/54	Glottica ca.	T1aN0M0	T1aN0M0	SCP/c CHEP		
15	M/77	Glottica ca.	T1aN0M0	T1bN0M0	SCP/c CHEP	Cricoid perichondritis	
16	M/57	Supraglottic ca.	T3N0M0	T3N0M0	SCP/c CHEP	Cricoid perichondritis	
17	M/55	Glottica ca.	T3N0Mx	T1aN0M0	SCP/c CHEP		
18	M/60	Glottica ca.	T1N0M0	T2N0M0	SCP/c CHEP		

CL : Completion laryngectomy

2 . TNM T1 9 , T2 가 .⁶⁾
 5 , T3 4 . (multifocal) 가
 6 , 가
 , .⁶⁾
 (CT)
 TNM 50 66%
 T1 7 , T2 7 , T3 3 , T4 가 . Parsons⁷⁾
 1 . 18 가 ,
 2 54 , .
 가 , 60 86%
 (Table 1). (tr- .⁸⁾
 acheal fenestration) . Quer⁹⁾ T1 T2
 . 75%
 , 25%

결 과

18 17
 , 1 가 가
 . 1 . Biller²⁾ Shaw⁸⁾
 5 (28%), 1 5 mm
 (6%) , 1 2 3 mm
 1 (22%) ,
 (Table 1). 가 가
 57 , 가 . Strauss¹⁰⁾ 가
 가 51.5 ,
 58.1 . 14 가

고 찰

6 . Nibu¹¹⁾ T1 17 , T2
 , , 4 CT, MRI 10% , 3 (14%)
 가 , 86%
 . 6 45% 가 . 5 86% 10
 , 70% . Shah¹²⁾ T1

25, T2 3 7 206 46 (22%)
, 21 , T T1 4%, T2 15%,
8 (28%) T3 29%, T4 42%
75% 가 , 5 73% 30 (65%)
10 71% . Rothfield ¹³⁾ T1 3 , 1 , 26
14
50%, 54% ,
77 . 14 30 2 30% .
2 (14%) , 2 7 (23%) . Campbell ¹⁶⁾
(14%) . 86% 가 10
, 93% . Strauss ¹⁰⁾ T1 1 (10%)
5, T2 3 . 5 64% , 2
8 3 (37.5%) ,
87.5% 가
. Sorensen ¹⁴⁾ . DeSa-
55 16 (29%) nto ¹⁷⁾ 30
10 21 , 7 ,
81% 가 2
Biller ²⁾ T1 15 , T2 3 , 17 (57%) 1 , 5
4 (17%) . Goepfert ¹⁸⁾
(22%) , 78% 가 147 가
1 33 (22%)
T1, T2 , T T1
75 12%, T2 19%, T3 28%, T4 35% Parsons ⁷⁾
87.5% . 7 (21%)
26
2 24% .
가 . 가 가 .
. Shaw ⁸⁾ 25
30% . 가 가
가 , 가
가 . Quayum Laccourreya ⁵⁾
15) 58
23 (39%) , 11 (48%) 가 가 1)
가 , 5 2) 3) 4)
22% . Parsons ⁷⁾

Piquet ²⁰⁾

Laccourreya ²¹⁾

T2 T3

12

1 가

3 83.3%

laryngectomy)

1 cm

artery)

Bron ²²⁾

27 가

urreya ²¹⁾

ulation)

5)19)

요 약

18

1 (6%)

4 (22%) 14 (78%)

2 , 2 ,

3 가

9 (75%) 가

중심 단어 :

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