

## 비성형술의 임상적 경험과 수술결과에 대한 환자의 주관적 평가

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### Clinical Experiences of Rhinoplasty with Patients' Assessment of the Results

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#### ABSTRACT

**Background and Objective :** The aim of this study is to investigate patients' satisfaction following rhinoplasty through analyzing questionnaires. **Materials and Methods :** Study materials were 69 patients who underwent rhinoplasty at the Department of Otorhinolaryngology, Asan Medical Center, between 1989 and 1996. Causes of nasal deformities, applied surgical procedures, and postoperative complications were retrospectively investigated by reviewing medical records, and patients' satisfaction was investigated through analyzing questionnaires about cosmetic and functional outcomes. **Results :** Silastic implants were used to augment the flat nose in 35 patients, and were extruded in four patients (11%). Thirty-six (52%) of 69 patients replied to the questionnaires. The results of patients' self-assessment were satisfactory (15 patients : 41.5%), fair (6 patients : 17%), and unsatisfactory (15 patients : 41.5%). There was no significant difference in the satisfaction rate between patients undergoing augmentation rhinoplasty and those undergoing corrective rhinoplasty. Young male patients (10 -29 years in age) were much more unsatisfactory with surgical results than the rest of the male patients (67% vs. 11%) Twenty-six patients of 36 responders to the questionnaires underwent concomitant septoplasty and 22 (85%) of them answered that their breathing function was improved postoperatively. **Conclusion :** These results indicate that we failed to meet the patients' expectation for cosmetic improvement. Hence, improving surgical skills of the surgeons and explaining the patients preoperatively about limitations and possible unsatisfactory outcomes are needed. (**Korean J Otolaryngol 1999;42:467-70**)

**KEY WORDS :** Rhinoplasty · Subjective assessment · Augmentation rhinoplasty · Corrective rhinoplasty.

연도	환자 수	응답률 (%)	만족 (%)	공평 (%)	불만족 (%)
1989	16	38.8	6.3	18.8	74.9
1996	26	53.8	30.8	23.1	46.2
합계	69	52.0	18.2	17.0	65.5

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69

(satisfactory), (fair), (unsatisfactory)

(improved), (unchanged), (aggravated) 가

36 (52%)

69 47, 22 가

2.1 : 1 가 , 30 39 16 (23%), 16 (45%) 가 (Table 1).

가 24 (34%), 6 (9%) 가 39 (57%) 가

(flat nose) 가 28 (40%) 가 , ( , scoliotic nose) 26 (38%), 10 (15%), ( , , hump nose)가 3 (4%), 2 (3%) . 가 19% 가 (Table 2).

39 (57%) (corrective rhinoplasty) (septoplasty) 가 10 , 가 3 (augmentation rhinoplasty) (hump removal) . 28 (40%) 7 2 (3%) (nasal hump) (reduction rhinoplasty) (Table 3).

(external rhinoplasty) 41 (59%) 28 (41%)

10 38 30  
(silastic implant), 5

**Table 1.** Age and sex distribution (N = 69)

Age (years)	Male	Female	Total (%)
16 - 19	8	0	8 ( 12%)
20 - 29	19	12	31 ( 45%)
30 - 39	9	7	16 ( 23%)
40 - 49	5	2	7 ( 10%)
50 - 62	6	1	7 ( 10%)
Total	47	22	69 (100%)

**Table 2.** Types of nasal deformities (N = 69)

Type	Number of patients		
	Male	Female	Total
Scoliotic nose	21	5	26 ( 38%)
Flat nose	20	8	28 ( 40%)
Scoliotic and flat	3	7	10 ( 15%)
Scoliotic and hump	3		3 ( 4%)
Hump nose		2	2 ( 3%)
Total	47	22	69 (100%)

**Table 3.** Applied surgical modalities

Procedures	No. of cases
Augmentation rhinoplasty	28 ( 40%)
Corrective rhinoplasty	26 ( 38%)
Corrective and augmentation rhinoplasty	10 ( 15%)
Corrective rhinoplasty with hump removal	3 ( 4%)
Reduction rhinoplasty	2 ( 3%)
Total	69 (100%)

**Table 4.** Patients' self assessment of results : Analysis by surgical types (N = 36)

Type of rhinoplasty	Number of patients (%)		
	Satisfactory	Fair	Unsatisfactory
Augmentation (n = 18)	6 (33)	4 (22)	8 (45)
Corrective (n = 16)	8 (50)	1 (6)	7 (44)
Corrective + Augmentation (n = 2)	1 (50)	1 (50)	0
Total (N = 36)	15 (42)	6 (17)	15 (41)

**Table 5.** Patients' self assessment of results : Analysis by age and sex (N = 36)

Age (years)	Number of patients (Number of male patients)			
	Satisfactory	Fair	Unsatisfactory	Total
10 - 19	0 (0)	1 (1)	2 (2)	3 (3)
20 - 29	5 (3)	2 (1)	11 (8)	18 (12)
30 - 39	7 (3)	1 (1)	2 (1)	10 (5)
40 - 49	2 (1)	1 (1)	0 (0)	3 (2)
50 - 62	1 (1)	1 (1)	0 (0)	2 (2)
Total	15 (8)	6 (5)	15 (11)	36 (24)

가 , 3 가 가

4 (11%) 1 2 , 35 가 . 가

가 36 가

24 , 12 가 18 , 10

36 18 , 16 1)2)

2 36 26 가 , 가 ,

가

18 6 (33%) 가 가

4 (22%) , 8 (45%) 가 3)

16 8 (50%) 7 가

(44%) 36 가

15 (42%) 가 , 가

6 (17%) (Table 4). 4) 가 가

15 11 , 5)6)7)

4 가 41 가

10 20 21 13 (62%) 가 (dermofat),

42% (iliac bone) (cranial bone) ,

10 20 15 10 ( ) 가

(67%) 11% , 가

(Table 5). 26 6 10%

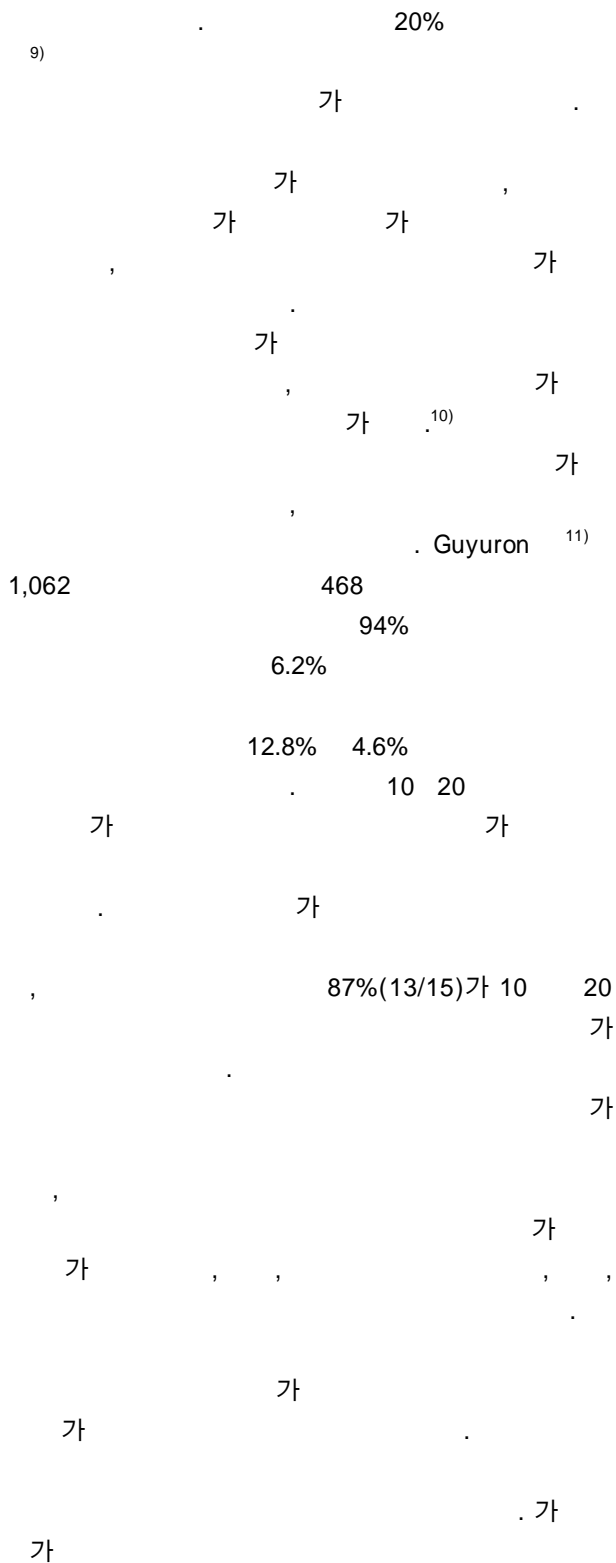
22 (85%) 1 2 8)

3 (12%) , 1 Min

2 가

2 Jung 5)

가 , ,



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