

# 진주종에서의 고실성형술과 이소골성형술

정 학 현

## Tympanoplasty and Ossiculoplasty Cholesteatoma

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### 진주종 수술의 목적

(dead ear) (severe sensori-neural hearing loss), only hearing ear

CWD

가 contracted antrum, sigmoid siuns가 tegmen

### 진주종 수술 방법의 선택

plate가

가, velopharyngeal insufficiency

canal wall down mastoidectomy

CWD

(CWD) canal wall up mastoidectomy(CWU)

, CWD

. CWU

, 가

, CWD

가

가, cavity problem

### 진주종 수술에서 CWD 방법의 선택

CWD

### 진주종 수술에서 잔존 또는 재발성 진주종의 발병비교 (Table 1)

CWU

(residual cholesteatoma)

11~27%,

(recurrent cholest-

eatoma)

5~13%

6.3~70%

. CWD

6~13%,

6.3~15%

### 진주종 수술 후 청력개선에 대한 비교 (Table 2)

CWD

stapes suprastructure가

AB

: , 136 - 705 5가 126 - 1

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**Table 1.** 진주중수술에서 CWU과 CWD에서 잔존 진주중과 재발성 진주중의 비교(Kamarkar, et al. 1995)

		Residual (%)	Recurrent (%)	Failure (%)
<b>CWU</b>				
Sheehy (1982)	272	21	5	-
Mazzoni (1992)	116	-	-	30
Magnan (1992)	1,000	11	13	-
Lau and Tos (1989)	161	-	-	6.3
Sanna (1984)	239	12	7.8	-
Nyrop (1992)	60	-	-	70
Sade (1987)	59	27	13	-
Mercke (1989)	49	-	-	40
Chissone (1989)	204	-	-	32.4
Quaranta (1988)	62	-	-	21
<b>CWD</b>				
Nyrop (1992)	27	-	-	15
Lau and Tos (1989)	112	-	-	6.3
Sade (1987)	65	13	-	-
Cody (1977)	172	6	8	-
Abramson (1977)	155	-	-	9
Quaranta (1988)	74	-	-	5

gap 25 dB 가 74%, CWU 76% (2001)

CWD CWU  
 . , stapes suprastructure가  
 CWD 31.5 dB AB gap  
 20.2 dB CWU 29.1 dB AB gap  
 21.7 dB 가 , stapes suprastructure가  
 CWD 33.8 dB AB gap  
 21.2 dB CWU 35.4 dB  
 AB gap 23.6 dB 가 .

**진주중에서 CWU에 의한 고실성형술의 원칙**

CWU  
 가  
 , 2 (second look operation or stage operation)  
 6~12

**Table 2.** 진주중 수술 후 CWD과 CWU에서의 청력개선의 비교(Kamarkar, et al. 1995)

	CWD (%)	CWU (%)
<b>With stapes suprastructure</b>		
<15 dB ABG	48.14	50.63
<25 dB ABG	74.07	75.94
<b>Without stapes suprastructure</b>		
<15 dB ABG	32.55	35.89
<25 dB ABG	53.48	65.81

CWD : canal wall down mastoidectomy  
 CWU : canal wall up mastoidectomy

**Table 3.** 진주중수술에서 시행되는 고실성형술

	Cases (%) N=340 KU(1991 - 1995)	Cases (%) 151 Kim, et al. 2001
<b>Type</b>		
T0		10%
T1	18%	5%
<b>T3</b>		
Natural	32%	6%
PORP	5%	25%
Ossicle/cartilage	12%	23%
<b>T4</b>		
Natural	19%	3%
TORP	3%	15%
Ossicle/cartilage		10%
Radical	11%	4%

KU : Korea University

가 , 가  
 .  
 CWD  
 . Sheehy(1977)  
 10 1,024  
 . 1) (open mastoid cavity) 가 , 2) 가 two stages , 3) residual cholesteatoma가 . 380  
 1/3 residual cholesteatoma가 , residual disease가 260 23% , recurrent cholesteatoma

5% stage operation

**진주종에서 고실성형술의 형태** (Table 3)

1991 5 1 1995 5 1

가 natural

T3 natural T4가 32% 19% 가 ,

(2001) PORP TORP가 25%

15%

가

**진주종 수술에서 Bondy Operation의 적용**

Bondy operation

AB gap 10~20 dB

only hearing , pars tensa

pars flaccida , 가

Falcioni

(1997) AB gap 25

dB 가 10%(5/54) ,

3 6 47 Bondy operation

10.6%,

72.4%, 17%

1

**진주종 수술에서 이소골성형술의 선택**

**Autologous or homologous ossicles or cartilages**  
(autologous ossicles)

가

가

“ stored autologous oss-

icles ” “ stored homologous ossicles ” 가

viability

가 ossicular homografts ossicular

implants가 , 10 가

가 , dead bone

new bone ,

가 acquired

immunodeficiency syndrome(AIDS) Creutzfeld -

Jacob disease(CJD) 가 가

autologous cartilage homologous cartilage

extrusion ,

scutum, promontory, facial nerve

가 rifampin eth-

anol AIDS

**Ossicular prosthesis**

PORP TORP ex-

trusion 가

**중심 단어 :**

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