

중이 수술의 Controversy

장선오 · 구자원 · 전상준

Controversies in Middle Ear Surgery

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“flexible approach” 가 transmeatal
가 , 가
anterior tympanomeatal angle
1) Paparella , 가 25 dB re -
troauricular Henle's spine
2) flexible approach trimming
(graft) 가
endaural 4)
절개방법(Retroauricular Approach vs
Endaural Approach)
transmeatal, scutum
endaural, postauricular tympanomastoidectomy 가
5) daural retroauricular en -
3) 4-6)
: , 110 - 744 28
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가 9 6~8 mm (short process) elevator 2 mm

Endaural 절개

12 2~3 mm Sheehy vascular strip 2/3

underlay

6 8~10 mm 12 Sheehy가 가

고막이식재료

(retractor) En - 1950 Wulstein Thiersh daural

(air cell) 가 Zollner(1956) fascia lata, Heermann retroauricular (1958) , Holewinsk(1958)가 corneal gr - aft, T'sao(1960)가 (amniotic membrane) 가 (posterior ty - Shea가 mpanum)

Retroauricular 절개

, Marquet(1970)

retroauricular

가 가 HIV slow virus 가 formaldehyde (bone

cm 가 2~3 cm 1.0 bank) 가 7)8) 가 sulcus 가

고막 이식 방법

고실절개술과 고막성형술
(Tympanotomy vs Myringoplasty)

가 . Underlay
 onlay
 (homologous dura) onlay
 (medial displacement)
 가 .⁹⁾ 가
 가 onlay
 가 .⁹⁾ Onlay
 underlay
 underlay
 intact canal wall tympanoplasty
 onlay
 ,¹¹⁾¹²⁾ Hough open cavity
 tympanomeatal flap, handle of malleus ann-
 ular ligament . 가 20~30 dB
 onlay (ov-
 erlay) technique small endaural
 5 mm ,
 free graft base 가 endaural
 canal skin flap .¹⁾ 가
 onlay 가
 blunting, epithelial cyst pearl
 . Blunting endomeatal
 bulging bony shelf
 angle
 Sheehy 가
 .⁶⁾ 가 pick
 (hypermobile)
 . Epithelial cyst pearl
 가 .¹⁴⁾
 Underlay (inlay) 가 2~3 mm . Umbo
 가 가

umbo
 gelfoam packing
 retraction pocket
 underlay
 2~3 mm
 rosebud
 (self cl-
 eansing mechanism)

유양동삭개술

가
 가
 3)
 가
 가
 가
 15)
 가
 11)
 가
 가
 가
 S
 가
 가
 retraction pocket
 , bone paste
 16) Sanna
 가
 17)

가 (flexibility)
 3)
 개방공동법 유양동삭개술(open cavity mastoidectomy,
 canal wall down mastoidectomy)

가
 가
 가
 middle fossa dura
 line temporalis
 S
 line temporalis
 tangential line
 apex

(residual)
 (recurrent)
 ret -
 butress
 (mastoid tip)

가 (digastric ridge) (st - mpanic segment) (cavity pr - (aditus ad antrum) (air cell) facial ridge가 (cyst) (nerve stimulator) 가 pick (rebound) . Facial recess (chorda tympani), (mastoid segment), (fossa in -

가 (st - mpanic segment) . Facial recess fossa incudis (aditus ad antrum) burr 가 (11) diamond burr 가 (17) (nerve stimulator) 가 pick (rebound) . Facial recess 가 2 mm 가 (14) 가 (po -

ylomastoid foramen) . Facial recess fossa incudis (aditus ad antrum) burr 가 (11) diamond burr 가 (17) (nerve stimulator) 가 pick (rebound) . Facial recess hypotympanic 가 2 mm 가 (14) 가 (po -

폐쇄공동법 유양동삭개술(Closed cavity mastoidectomy, canal wall up mastoidectomy) 가 근치적 유양동삭개술(Radieal mastoideetomy) intact canal wall mastoidectomy 가 combined approach technique (11) facial buttress (po - recess 가 (chorda tympani), (mastoid segment), (fossa in -

(cavity problem)가
가 , 가
canaloplasty meatoplasty
이소골연쇄의 재건
(air containing)
18)
등골두가 있는 경우의 재건방법
가
(incus long process)
2/3 10 dB
1960 incus repo -
sitioning (stapes head)가
(malleus handle)
가 가
Sheehy 'fitted incus'
(short process)
(groove)
lenticular process
fallopian canal, promontory, py -
ramid annular margin
(malleus
head)
bone bank transplanted ossicle
19)20)
가 18)

Sheehy
(tension) 가
가 가
trusion)
fitted prosthesis
(tension)
PORP가 가
hydroxyapatite plastipore prosth -
esis PORP(partial ossicular replacement
prosthesis) (extrusion
rate) 12)19)20)22)
등골두가 없는 경우의 재건방법
가
2
angulation
oval window niche가
가 , columella
(ca -
vum concha) L T
4~7 mm
, niche가 angulation
TORP(total ossicular replacement prosth -
esis) 20) TORP

2

2 TORP PORP
 . Hydroxyapatite

²¹⁾²²⁾
 Brackman(1984) TORP PORP 1,
 042 PORP 15 dB
 64%, TORP 25 dB
 가 58% 7%

²³⁾
 이소골 연쇄재건의 실패

가
²¹⁾
 가
 가 fitted prosthesis

bony fi -
 xation

결 론

가
 가

중심 단어 : Middle ear surgery.

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