

고실 사구종 1예

이준호 · 이장우 · 문성균 · 박기현

A Case of Glomus Tympanicum Tumor

Joon-Ho Lee, MD, Jang Woo Lee, MD, Sung-Kyun Moon, MD and Keehyun Park, MD

Department of Otolaryngology, Ajou University School of Medicine, Suwon, Korea

-ABSTRACT-

Glomus tympanicum tumor is considered to be one of the disease which necessitates the differential diagnosis of pulsatile tinnitus. This tumor presents as a middle ear cavity mass through intact tympanic membrane, and also presents otological symptoms such as hard of hearing, tinnitus and facial palsy. We experienced a case of glomus tympanicum tumor in 54 year-old female with several month-history of pulsatile tinnitus, which was completely managed with excision through tympanotomy. (J Clinical Otolaryngol 2005;16:149-153)

KEY WORDS : Glomus tympanicum · Pulsatile tinnitus.

서론

가 (glomus) (neural crest) (paraganglia) , (glomus tumor) (paraganglial tissue) 증례

54 2

(chief cell) 가

(glomus tympanicum) : 2 (glomus jugulare) .¹⁾ 0.03%, 0.6% 5% 가 가 (Fig. 1).

: 2005 4 13 : 2005 5 30 : , 443 - 721 5 100% A

: (031) 219 - 5266 · : (031) 219 - 5264 E - mail : parkkh@ajou.ac.kr

16 dB 50 dB

0.3 × 0.3 cm

(Fig. 2).

:

가

(Fig. 3).

, gelfoam

(Fig. 4).

: H & E

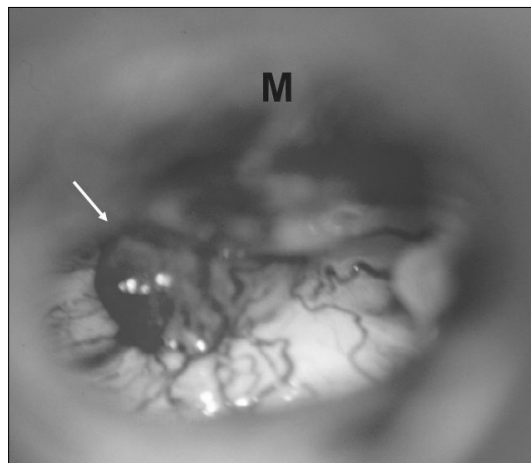


Fig. 3. Operative finding shows a well vascularized and strawberry-colored mass (bright arrow). M : malleus handle.

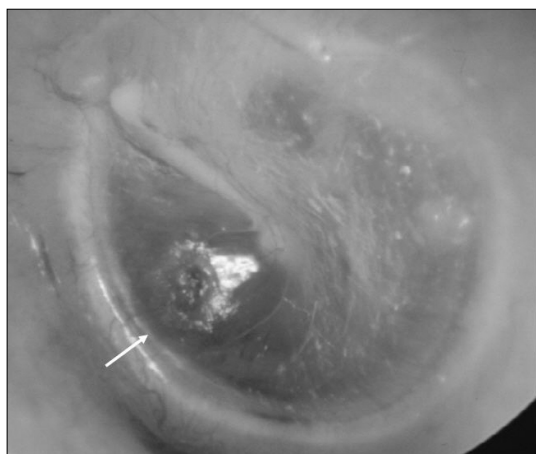


Fig. 1. Myringoscopic finding shows a pinkish well-demarcated mass on the anteroinferior quadrant (arrow).

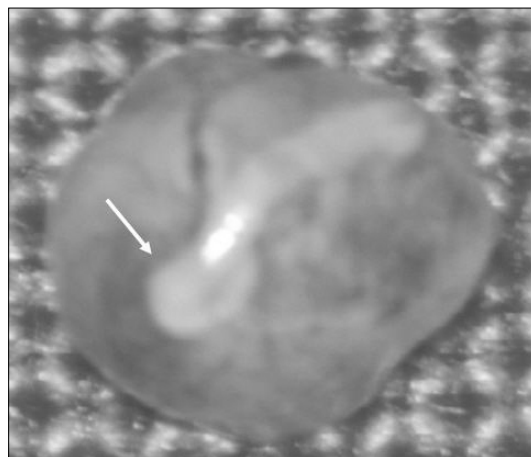


Fig. 4. Removed specimen shows a 0.3 × 0.3 × 0.3 cm sized, round, and rubbery mass with neural tissue (arrow).

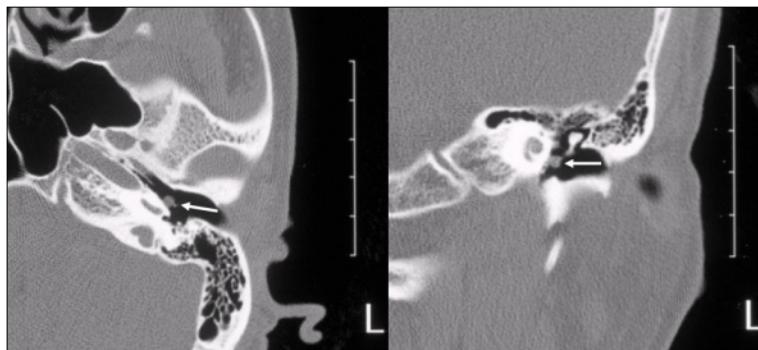
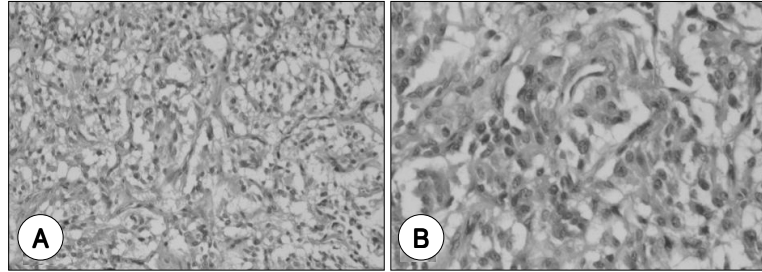


Fig. 2. Preoperative coronal and axial CT scans demonstrates a 0.3 × 0.3 cm sized, well demarcated and homogenous mass shadow in the mesotympanum (arrows).

Fig. 5. A : Light microscopic finding shows nested pattern or reticular network of cells and prominent fibrous septa (H & E, original magnification ×200). B : High power view of the light microscopic finding shows vacuolated cells with eosinophilic granular cytoplasm (H & E, original magnification ×400).



(Fig. 5).

:

, 2

5.5

Nam ¹²⁾

, 3

가

16 dB

18

가

⁶⁾⁹⁾

가

Brown

고 찰

¹³⁾

40~50

¹³⁾

, 가

⁹⁾

가가

Woods ¹⁰⁾

가

가

¹³⁾

(myoclonus)

가

가

가

¹⁴⁾

T1 T2

ga-

dolinium

T1

T2

gadolinium

¹⁵⁾

¹¹⁾

14) 가 , 가
 , ,
 가 .⁹⁾
 ,
 가 .
 가 .
 4~5
 가
 1~3%
 , , ,
 ,
 24 VMA
 , 가
 pheochromocytoma
 .¹⁾¹⁴⁾
 (chief cell) (sus-
 tentacular cell) (zellballen)
 가 , S - 100 protein
 synaptophysin
 (pa-
 ragangloa)
 가 .¹⁾
 ,
 가 가 ,
 .
¹²⁾
 , 70
 가
 ,
 가
 가 가
 .¹³⁾ Jackson¹⁴⁾ Glasscock¹⁵⁾
 4
 가 (promontory)

가
 , O Leary
 가 .⁹⁾
 563 cc
 Shin⁷⁾ , Nam¹²⁾ 300 cc
 surgicel, gelfoam bipolar
 cautery
 monopolar cautery
 13%
 ,
 .¹⁰⁾

중심 단어 :

REFERENCES

- 1) Gulya AJ. *The glomus tumor and its biology. Laryngoscope 103 Suppl 1993;60:65-75.*
- 2) Kim CS, Kim JY, Shin KS, Kim HK, Hwang SJ, Ahn KH. *Glomus tumor of the middle ear. Korean J Otolaryngol 1983;26:118-24.*
- 3) Kim HN, Lee WS, Yim SB, Kim DU, Uoon BM, Park CI. *A case of glomus tumor treated by the infratemporal fossa approach. Korean J Otolaryngol 1986;29:874-81.*
- 4) Chang KH, Park RS, Lee IJ, Suh BD. *A case of glomus tympanicum. Korean J Otolaryngol 1991;34:1065-8.*
- 5) Yoon BM, Lee WW, Park DJ, Bong JP. *A case of glomus tympanicum. Korean J Otolaryngol 1995;38:1806-9.*
- 6) Park K, Koh JW, Koo SM, Lee DH. *Myringoscopic findings of the tumorous lesion of the middle ear cavity. Korean J Otolaryngol 1996;39:397-406.*
- 7) Shin HS, Yoon TH, Chang HJ, Nam JK. *A case of glomus tympanicum. Korean J Otolaryngol 1998;41 (3):401-4.*
- 8) Jackson CG. *Glomus tympanicum and glomus jugulare tumors. Otolaryngol North Am 2001;34:941-70.*
- 9) O'Leary MJ, Shelton C, Giddings NA, Kwartler J, Brackmann DE. *Glomus tympanicum tumors: a clinical perspective. Laryngoscope 1991;101:1038-43.*
- 10) Woods CI, Stransnick B, Jackson CG. *Surgery for glomus tumors: the otologic group experience. Laryngoscope 103 Suppl 1993;60:65-70.*
- 11) Kim HC, Yoon TH, Lee KC, Kim SH. *Unilateral pulsatile tinnitus: a case report. Korean J Otolaryngol 1993;36:342-6.*
- 12) Nam JK, Yoon TH, Lee KS. *Six cases of glomus tumor. Korean J Otolaryngol 1999;42:1370-5.*

- 13) Jackson CG, Welling B, Chironis P, Glasscock ME, Wood CI. *Glomus tympanicum tumors: contemporary concepts in conservation surgery. Laryngoscope 1989;99:875-84.*
- 14) Jackson CG. *Basic surgical principles of neurotologic skull base: diagnosis for treatment planning and treatment op-*
- tion. Laryngoscope 103 Suppl 1993;60:29-44.*
- 15) Glasscock, Jackson CG, Harris PF. *Glomus tumor: diagnosis, classification and management of large lesions. Arch Otolaryngol 1982;108:401-6.*