

Neurofibromatosis Type II 환자의 조기 수술 치험례

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= Abstract =

An Experience of Early Surgical Intervention for Neurofibromatosis Type II

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Neurofibromatosis type II(NF2)is clinically characterized by the presence of bilateral vestibular schwannomas. The exclusive goal in management of NF2 patients is hearing preservation. It has been controversial to determine whether to wait and see or to try early surgical management for hearing preservation.

The authors experienced a case of vestibular schwannoma in association with NF2, which was partially removed and decompressed via middle fossa approach with hearing preservation. Based on our experience, we recommend a new strategy for hearing preservation on early surgical intervention of vestibular schwannoma. The criterias of the patient include 1) bilateral normal or serviceable hearing ; 2) small sized tumor and ; 3) young age. We suggest that the early surgical intervention including decompression may be considered for the hearing preservation especially on the favorable side to approach. **(Korean J Otolaryngol 40 : 10, 1997)**

KEY WORDS : Neurofibromatosis Type II · Middle fossa approach · Hearing preservation.

	서	론	
			¹⁾ . 1970
			가
			(intraoperative monitoring)
	Neurofibromatosis type II(NF2)	40,000	가
1			
	NF2	22	가 . NF2
			(MRI)
	: 1997	4 17	NF2
	: 1997	8 11	가 . NF2

NF2

가 가

2)

3)

가

4)

가 NF2

가

가

NF2

가

증 례

16 1995 8

가

: 1990

(cervical neurofibroma)

1995 8 31

5

(total lam -

1 5 inectomy)

1995 9 14

cafe au lait

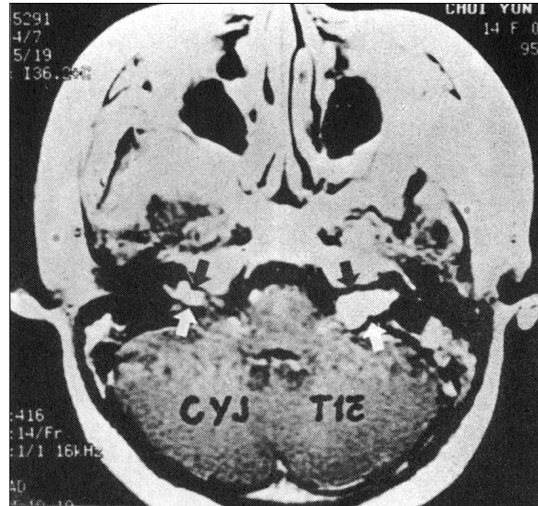


Fig. 1. Markedly enhanced masses (arrows) were identified on axial Gd-enhanced T1 MRI. Smaller right mass is intracanalicular and left one is extracanalicular.

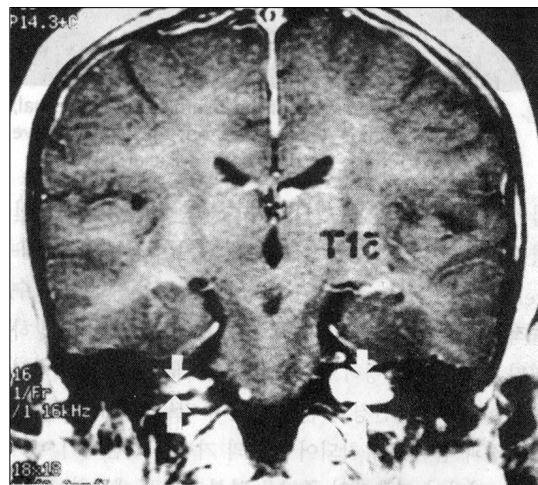


Fig. 2. Masses (arrows) are centered in both internal auditory canal on coronal Gd-enhanced T1 MRI.

I - V latency 가 0.4msec

: Gadolinium - enhanced MRI

가

porus

(Fig. 1, 2).

(middle fossa approach)



Fig. 3. After decompression of the internal auditory canal, residual tumor encroaches on the facial nerve (Arrows : Mass, B : Bill's bar, F : Facial nerve).

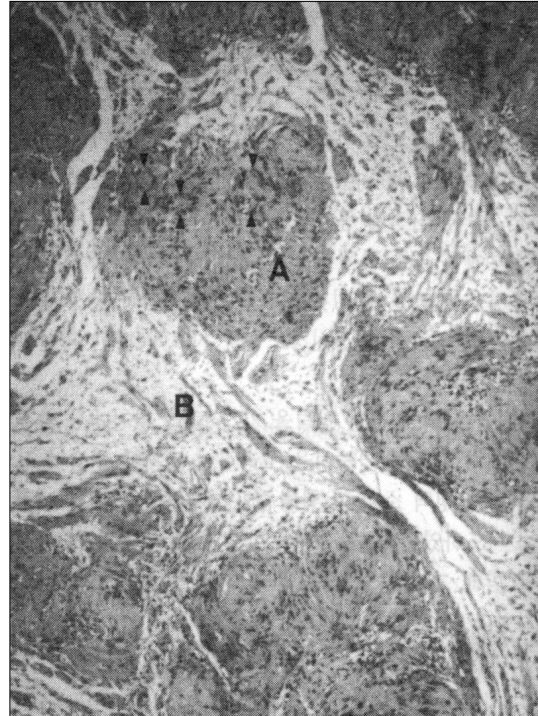


Fig. 4. Area of high cellularity (Antoni A area) and area of low cellularity (Antoni B area) are visualized. In Antoni A area, palisaded nuclei called Verocay body are noted (A : Antoni A area, B : Antoni B area, Arrow heads : Verocay body) (H & E, x 100).

House - Brackmann grade II 1
1

6

가

가

고 찰

multichannel EMG/EP system Viking IV
Catano fundus
porus 가
270°
(Fig. 3).

NF2 가
가
가
가
(sporadic) 가

hearing serviceable 가 (doubling time) 29.2 ,
 6.67 18 7).
 가

가 0 75% NF2
 3).
 가 1.5cm NF2 가
 가 3)5)6). 1.5cm 16

58%, 20% serviceable hearing (suboccipital app-
 roach) serv-
 iceable hearing 가 가 6).
 NF2 15 1 가
 가 가 , 가

17.6% , 40% 3).
 2.0cm MRI
 가 가 2.0cm 가
 72% 가 가 NF2 가 (1)
 가 3). serviceable hearing ; (2)
 가 ; (3)
 가 가

가 , 요 약
 가 Strasnick 가 NF2

4) 1.1cm/year, Charabi 8) 0.32cm/year 가

NF2

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