

후신경아세포종 1예

문승일 · 심현준 · 권순욱 · 윤상원

A Case of the Olfactory Neuroblastoma

Seung Il Moon, MD, Hyun Jun Shim, MD, Soon Uk Kwon, MD and Sang Won Yoon, MD

*Department of Otolaryngology-Head & Neck Surgery, Eulji University College of Medicine,
Eulji General Hospital, Seoul, Korea*

-ABSTRACT-

Olfactory neuroblastoma is uncommon neuroendocrine malignant tumor originated from olfactory epithelium of neural crest in the upper portion of nasal cavity. This tumor account for 2% of all malignant nasal neoplasm and early involves the cribriform plate and rapidly penetrate into the anterior cranial fossa. The meastasis develop in the neck, lymph node, lung, bone and so on from 20% to 42%. Although the principle of treatment is not established yet, combined therapy of surgery and radiation is generally recommended. We have experienced one case of neuroblastoma localized in the nasal cavity and nearly completely removed via transpalatal and transnasal approach followed by radiotherapy. At this time the tumor is not recurred and any complication has been not developed, so we report this case with review of the literature. (J Clinical Otolaryngol 2002;13:130-134)

KEY WORDS : Neuroblastoma · Nasal cavity.

300 가 .³⁾ 10

서 론

2%

가 가

가 20

42% , , ,

가 .¹⁾ 38 1

1924 Berger Lue²⁾

: 2001 12 10

: 2002 3 20

: , 139 - 231 1 280 - 1 38 2

: (02) 970 - 8276 · : (02) 970 - 8275 가 , 2001

E - mail : msi8275@hanmail.net 3

증 례

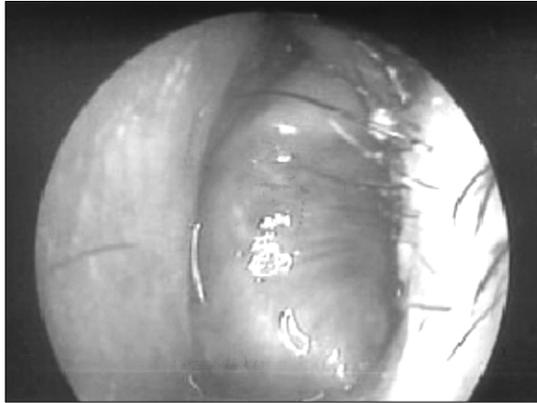


Fig. 1. Left nasal cavity was occupied by hyperemic huge mass.

5

가

(Fig. 1).

9.9 g/dl,

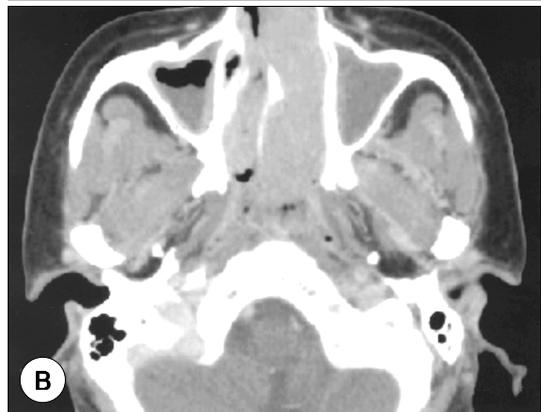
41.4%,

6100/mm,

124,000/ μ l



A



B

Fig. 2. Initial contrast-enhanced axial CT scan of 30-year-old female. A and B : 75 x 73 x 16 mm sized, partially septated cystic mass is seen in the right lower posterior cervical triangle. This mass compresses the internal jugular vein and separates the internal jugular vein from the common carotid artery. Right sternocleidomastoid muscle is displaced anteriorly.

(Fig. 2).

(glomus tumor)

2

(pedicle)

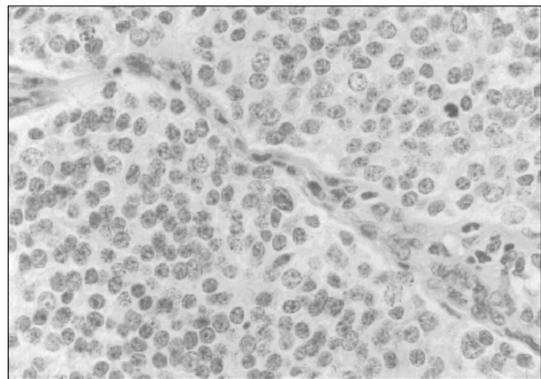


Fig. 3. Light microscopic finding (H&E, x400). The tumor is composed of variable sized solid sheets or nests of small round cells. The cells lay in neurofibrillary background. Rosette is rather frequent.

(Rostte)

(Fig. 3).

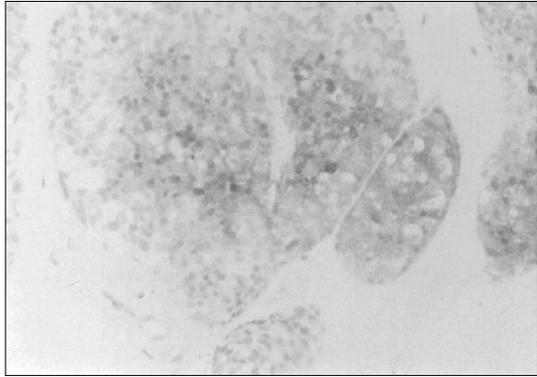


Fig. 4. Immunohistochemical finding. The tumor cells are labelled by neuron-specific enolase (× 200).

neuron - specific enolase

(Fig. 4),

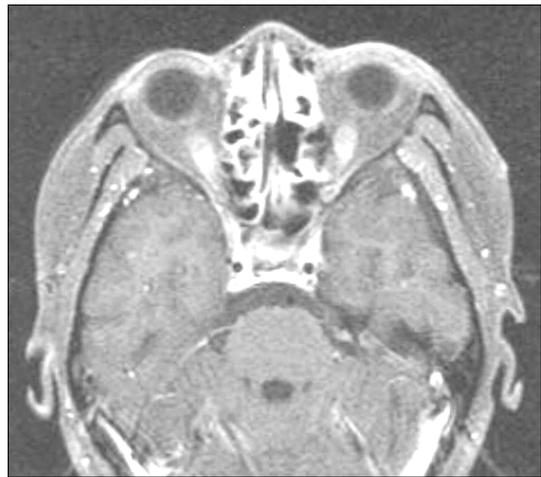
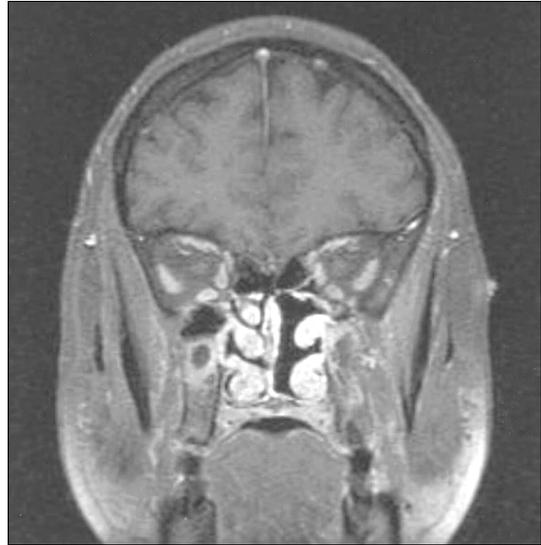


Fig. 5. Mass is not seen in left nasal cavity. Left middle turbinate and inferior turbinate are displaced laterally without destruction.

가

6

6

(Fig. 5),

7

고 찰

6)

57%

가
20~

가

10

40

48%

7)

5) 가

: 1

가 , 가 가

20 42% ,
12)

4) 10% 가

,¹³⁾ Kadish⁹⁾

가 ,

neuron - specific enolase 가
S - 100 antisera⁸⁾ 14)

. Kadish⁹⁾

가 . Group A B
5000 cGy 5~6
, Group C 6500 2
cGy 7

가 Jonathan⁵⁾ Foote¹⁰⁾ **결 론**

가 가 38
. Slevin⁹⁾ 1

. Kadish

9) A, B, C
3 100%

중심 단어 :

Group C

REFERENCES

가 가
12)
Cyclophostamide vincristin 가
adriamycin, DTIC, actinomycin, meth-
otrexate
가 Da-
vis Weissler⁷⁾ Kadish Group C

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