

## 비강에 발생한 횡문근육종 1례

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## A Case of the Rhabdomyosarcoma of the Nasal Cavity

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## - ABSTRACT -

Rhabdomyosarcoma, an uncommon malignant tumor, shows skeletal muscle differentiation and is generally associated with a poor prognosis. Authors experienced a embryonal rhabdomyosarcoma originated from nasal septum and left middle turbinate in a 43 year old female patient and we obtained a favorable result by total excision of tumor mass, chemotherapy and radiation therapy. So the authors report this case with the review of literatures. (*J Clinical Otolaryngol* 2000;11:293-297)

**KEY WORDS** : Rhabdomyosarcoma · Embryonal · Nasal cavity.

## 서 론

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증 례

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3.6×2.7×0.7( . / . / ) cm

(Fig. 1).

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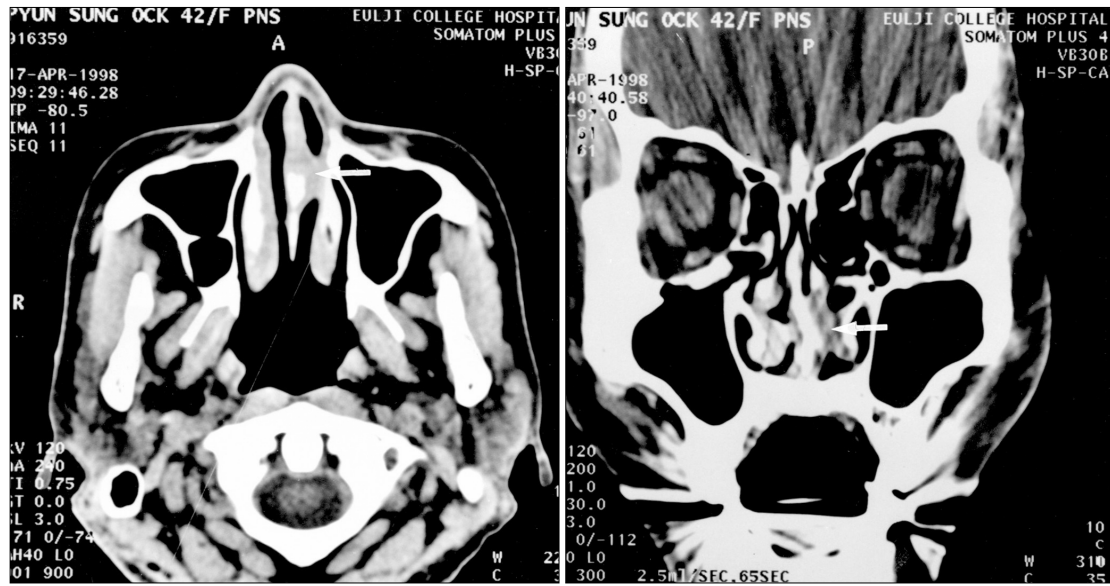


Fig. 1. Preoperative PNS CT scan shows 3.6×2.7×0.7 (AP/height/thickness)cm sized soft tissue mass (arrow) on nasal septum and bony erosion of the midportion of nasal septum. A : axial view. B : coronal view.

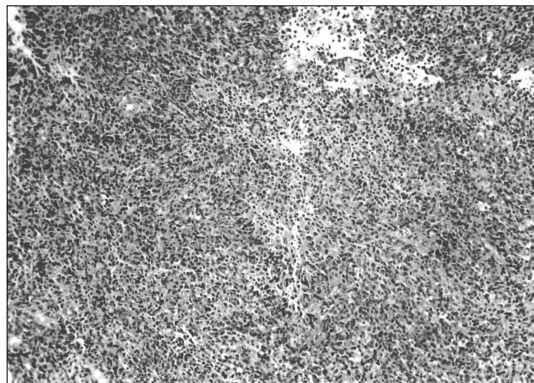


Fig. 2. Photomicrograph discloses diffusely infiltrating tumor cells with focal microscopic necroses (H & E ×120).

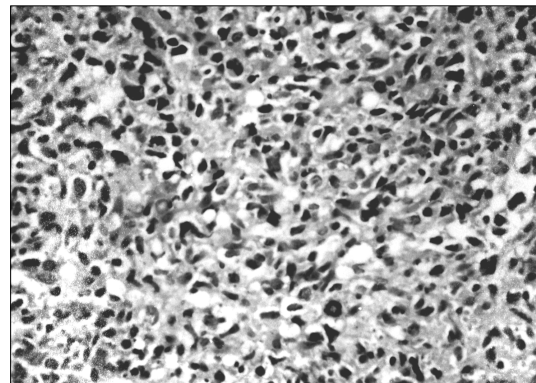


Fig. 3. High power magnification shows tumor cells with hyperchromatism, marked pleomorphism and occasional mitoses (H & E ×240).

(Fig. 2).

myoglobin

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(Fig. 3).

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leukocyte common antigen, B-cell maker, T-cell marker

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5400 cGy  
IRS(Intergroup Rhabdomyosarcoma Study)  
Vincristine, Actinomycin D, Cy -  
clophosphamide  
2  
(Fig. 4).

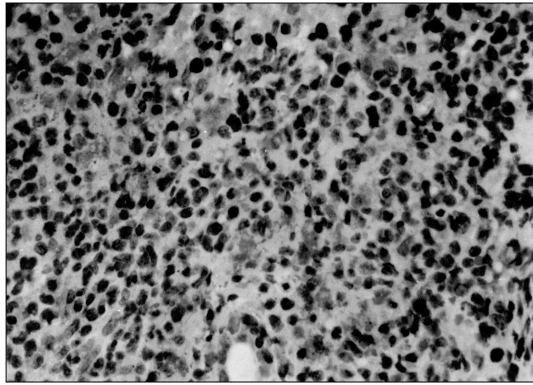


Fig. 4. Photomicrograph of immunohistochemistry with antibody to myoglobin discloses positive reaction with moderate intensity (immunostain for myoglobin  $\times 480$ ).

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69 28 (41%), 14  
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51 11 (22%), 22  
(43%), 18 (35%)

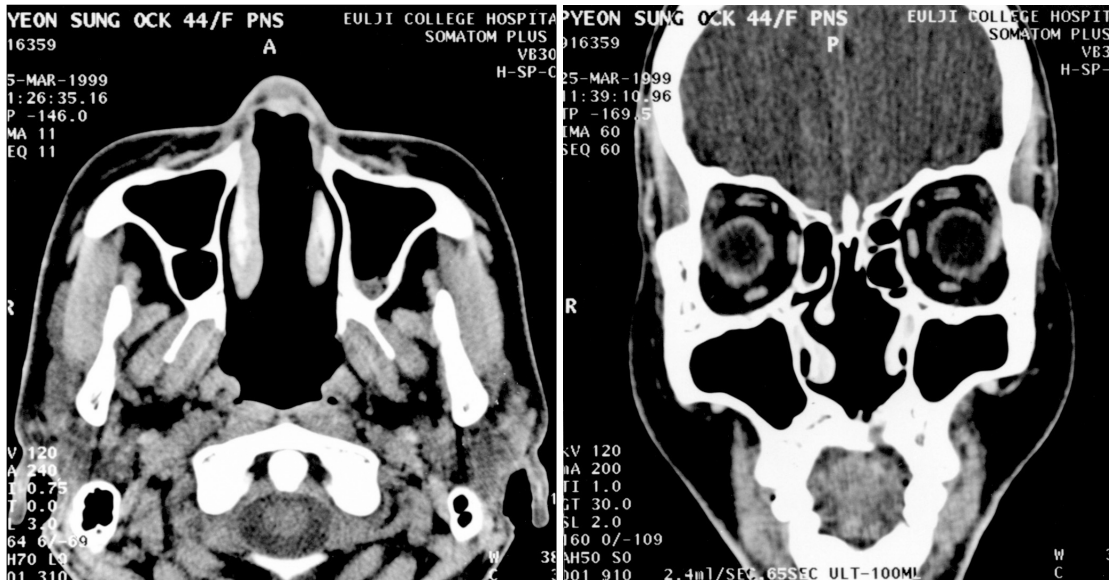


Fig. 5. PNS CT scan shows no evidence of recurrence after operation, radiation therapy and chemotherapy. A : Axial view. B : coronal view.

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MRI, CT

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. 1972 Inter - group Rhabdomyosarcorma Study(IRS)

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Vincristine, Actinomycin D, Cyclophosphamide, Adriamycin

. 4) IRS

1960 5 5 21%

. 12) IRSG<sup>3)</sup> 5

83%, 70%, 52%

25%

중심 단어 :

REFERENCES

- 1) Lloyd RV, Hajdu SI, Knapper WH. *Embryonal rhabdomyosarcoma in adults. Cancer* 1983;51:557-65.
- 2) Macather CJ, McGill TJ, Healy GB. *Pediatric head and neck rhabdomyosarcoma. Clinical pediatrics*;1992. p.66-70.
- 3) Maurer HM, Beltangady M, Gehan EA, Crist W, Hamm-

- ond D, Hays DM, et al. *The intergroup rhabdomyosarcoma study-a final report. Cancer* 1988;61:209-20.
- 4) Feldman BA. *Rhabdomyosarcoma of the head and neck. Laryngoscope* 1982;92:424-40.
  - 5) Fu YS, Perzin KH. *Nonepithelial tumors of the nasal cavity, paranasal sinuses, and nasopharynx. Cancer* 1976;37:364-76.
  - 6) Lawrence W, Anderson JR, Gehan EA, Maurer H. *Pre-treatment TNM staging of childhood rhabdomyosarcoma. Cancer* 1997;80:1165-70.
  - 7) Young JL, Miller R. *Incidence of malignant tumors in U.S. children. The Journal of Pediatrics* 1975;86:254-8.
  - 8) Schuller DE, Lawrence DL, Newton WA. *Childhood rhabdomyosarcoma of the head and neck. Arch Otolaryngol* 1979;105:689-94.
  - 9) Chang SO, Kim KH, Jin HR, Lee JW. *A case of laryngeal rhabdomyosarcoma. Korean J Otolaryngol* 1995;38:472-5.
  - 10) Lee JH, Lee MS, Lee BH, Choe DH, Do YS, Kim KW. *Rhabdomyosarcoma of the head and neck in adults: MR and CT findings. Am J Neuroradiol* 1996;17:1923-8.
  - 11) Kim YB, Park MS. *A case of rhabdomyosarcoma of the cheek. Korean J Otolaryngol* 1993;36:1065-70.
  - 12) Callender TA, Weber RS, Janjan N, Benjamin R, Zaher M, Wolf P, et al. *Rhabdomyosarcoma of the nose and paranasal sinuses in adults and children. Otolaryngol Head Neck Surg* 1995;112:252-7.
  - 13) Oh KK, Kwon SU, Kim YJ, Kim KH. *A case of the rhabdomyosarcoma involving maxillary sinus and orbit. Korean J Otolaryngol* 1998;41:1335-8.
  - 14) Ha SL, Lee BJ, Park ST, Kim SY. *Four cases of rhabdomyosarcoma in the head and neck. Korean J Otolaryngol* 1998;41:1208-12.
  - 15) Herowitz ME, Etcubanas E, Christensen M. *Phase II testing of melphalan in children with newly diagnosed rhabdomyosarcoma: A model for anticancer drug development. J Clin Oncol* 1988;6:308-14.