

## 상악동에서 발생한 악성 섬유성 조직구종 1례

고려대학교 의과대학 이비인후-두경부외과학교실

이흥만 · 이제혁 · 김정민 · 이상학

## A Case of Malignant Fibrous Histiocytoma of the Maxillary Sinus

Heung-Man Lee, MD, Je-Hyuck Lee, MD, Jeong Min Kim, MD and Sang Hak Lee, MD

Department of Otorhinolaryngology-Head and Neck Surgery, Korea University College of Medicine,  
Seoul, Korea

## -ABSTRACT-

Malignant fibrous histiocytoma is uncommon in the head and neck, the sinonasal tract being the most common location. We experienced a case of malignant fibrous histiocytoma of the maxillary sinus developed in a 47-year-old woman who was presented with nasal pain, nasal obstruction and a swelling of the face. The patient received total maxillectomy with postoperative irradiation, and the patient was well and free of recurrence or metastasis for 48 months postoperatively. The characteristics, difficulties in diagnosis, and therapeutic strategies of this tumor are reviewed. (J Clinical Otolaryngol 2002;13:216-219)

KEY WORDS : Malignant Fibrous histiocytoma · Maxillary sinus.

## 서론

47

가 가  
가

1)2)

가

## 증례

1)

(mesenchymal cell)

가

47

가 3

1)

1%

3)

: 2002 7 11

: 2002 10 10

: , 152 - 703

80

: (02) 818 - 6750 · : (02) 868 - 0475

가

E - mail : hmlee91@hotmail.com

(Fig. 1).

가

(Fig. 2).

5 × 5 × 4 cm

가

(Fig. 3).

가

vimentin smooth muscle actin, desmin, HMB - 45, cytokeratin, EMA, neurofilament S - 100

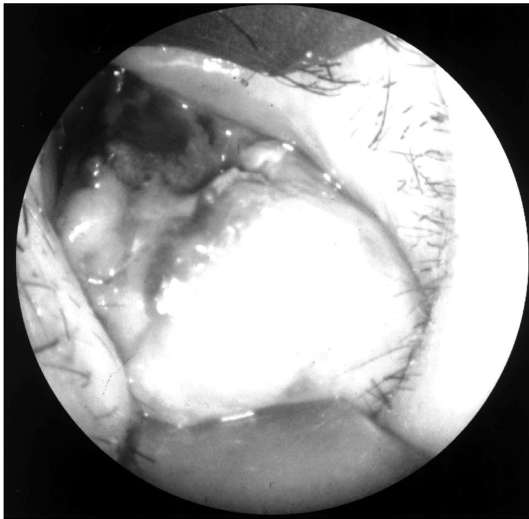


Fig. 1. Nasal endoscopic finding showing an irregular surfaced polypoid mass in the left nasal cavity.

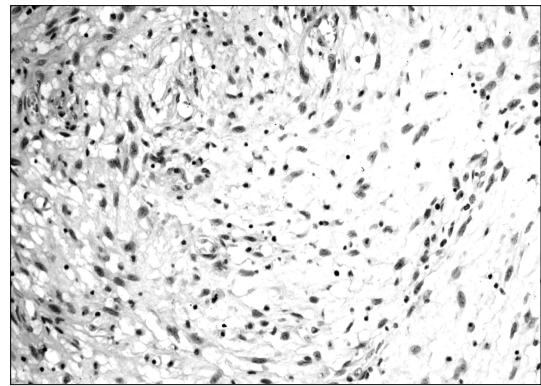


Fig. 3. Photomicrograph shows sarcomatous spindle-cell with a focally prominent storiform pattern(H & E, × 200).

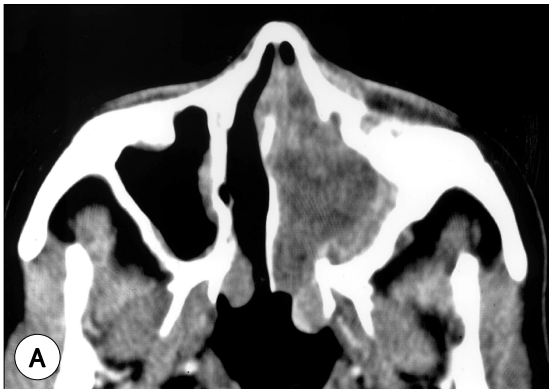


Fig. 2. Axial (A) and coronal (B) computed tomography of paranasal sinuses show a soft tissue density mass of the left maxillary sinus expanding into the ethmoid sinus. The left lamina papyracea and the orbital floor were intact.

**Table 1.** Malignant fibrous histiocytoma of the maxillary sinus reported in Korea

No	Age (year)/ Sex	Symptoms (duration)	Site and extent	Treatment	Results
Chun <sup>4)</sup> (1993)	50/F	Epistaxis, left (1 month)	Left maxillary sinus, nasal cavity and orbit	Total maxillectomy and orbital exenteration Post-operative RTx	Alive
Suh <sup>5)</sup> (1995)	60/M	Ocular pain, left (3 months)	Left maxillary sinus, medial wall of nasal cavity and orbit	Left total maxillectomy and orbital exenteration	Local recurrence (neck node) No interval change of neck node size for 2 years
Seok <sup>6)</sup> (1995)	44/M	Buccal swelling, left (3 months)	Local recurrence on the left cheek and mandible angle (primary site : left maxillary sinus. Initial treatment : Total maxillectomy with post operative RTx)	Chemotherapy (vincristine and dacarbazine). Tumor excision.	Local recurrence Lung metastasis Expired after 2 months operation.

RTx : Radiation therapy

48

고찰

17 (steriform - pleomor-  
(6140 cGy, 34 ) phic type),  
(myxoid type), (inflamma-  
tory type) 가<sup>1)10)</sup>

vimentin<sup>11)</sup>  
, cytokeratin EMA  
, SMA desmin  
, neurofilament S - 100

3<sup>4-6)</sup> HMB - 45 가

(Table 1).  
1) (atypical fibroxanthoma), (spindle  
cell carcinoma), (fibrosarcoma),  
(pleomorphic rhabdomyosarcoma),  
(pleomorphic liposarcoma),  
(amelanotic malignant mucosal melanoma),  
7)8) (osteosarcoma), (glioblastoma  
multiforme)<sup>12)</sup>  
44~77%  
가<sup>1)13)</sup>  
1)9) 0~15%

가 가  
 23% 가 가  
 가 가  
 15) vincristine, dactinomycin,  
 cyclophosphamide  
 가  
 16)  
 가  
 (Table 1).  
 가  
 20~73% 1)17)  
 22% , ,  
 가 1)18) 2 60% 19) 5  
 20~50% 1)18)  
 , , ,  
 ,  
 3 cm 가  
 14)  
 중심 단어 :

REFERENCES

1) Rodrigo JP, Fernandez JA, Suarez C, Gomez J, Liorente JL, Herrero A. *Malignant fibrous histocytoma of the nasal cavity and paranasal sinuses. Am J Rhino* 2000;14:427-31.  
 2) Hong JP, Kim IS, Kim MS, Yoon JH. *A case of malignant fibrous histiocytoma of the pterygopalatine fossa. Korean J*

*Otolaryngol* 1999;42:1194-7.  
 3) Song DW, Park SH, Choi DH, Nam SI. *A case of fibrous histiocytoma in infratemporal fossa and parapharyngeal space. Korean J Otolaryngol* 2000;43:99-104.  
 4) Chun JG, Kim HS, Yoo JD, Kim YM. *Malignant fibrous histiocytoma of the maxillary sinus and nasal cavity. Korean J Otolaryngol* 1993;36:1345-8.  
 5) Suh JS, Kim YD, Min JK, Lee MH, Kim MJ. *A case of malignant fibrous histiocytoma of the maxillary sinus. Korean J Otolaryngol* 1995;38:956-61.  
 6) Seok YS, Choi G, Jung KY, Choi JO. *Three cases of malignant fibrous histiocytoma in the head and neck. Korean J Otolaryngol* 1995;38:2064-9.  
 7) Lim YH, Lee YT, Lee CK, Kim SW. *A case of benign fibrous histiocytoma of frontoethmoid sinus. Korean J Otolaryngol* 2001;44:1001-5.  
 8) Merrick RE, Rhone DP, Chilis TJ. *Malignant fibrous histiocytoma of maxillary sinus. Arch Otolaryngol* 1980;106:365-7.  
 9) Mugliston TAH, Shaw HJ. *Malignant fibrous histiocytoma of the maxillary sinus. J Laryngol Otolaryngol* 1984;98:153-7.  
 10) Ogura JH, Toomey JM. *Malignant fibrous histiocytoma of the head and neck. Laryngoscope* 1980;90:1429-40.  
 11) Weiss SW. *Malignant fibrous histiocytoma. Am J Surg Pathol* 1982;6:773-84.  
 12) Barnes L, Kanbour A. *Malignant fibrous histiocytoma of the head and neck. Arch Otolaryngol Head Neck Surg* 1988;114:1149-56.  
 13) Daou RA, Attia JB. *Malignant fibrous histiocytoma of the Head and Neck Laryngoscope* 1981;91:2053-67.  
 14) Lindberg RD, Martin RG, Romsdahl. *Conservative surgery and postoperative radiotherapy in 300 adults with soft tissue sarcoma. Cancer* 1981;47:2391-7.  
 15) Blitzer A, Lawson F, Zak FG. *Clinical-pathological determinants in the prognosis of fibrous histiocytoma of the head and neck. Laryngoscope* 1981;91:383-8.  
 16) Yang JC, Glastein EJ, Rosenberg SA. *Sarcomas of soft tissue. In: Vincent T, Devital J, Samuel H, editors. Cancer: Principles & Practice of Oncology. 4th ed. Philadelphia: Lippincott; 1993. p.1436-80.*  
 17) Brookes GB, Rose PE. *Malignant fibrous histiocytoma of the ethmoid sinus. J Laryngol Otolaryngol* 1983;97:279-89.  
 18) Blitzer A, Lawson W, Biller HF. *Malignant fibrous histiocytoma of the head and neck. Laryngoscope* 1977;87:1479-99.  
 19) Weiss SW, Enzinger FM. *Malignant fibrous histiocytoma: An analysis of 200 cases. Cancer* 1978;41:2250-66.