

내시경을 이용한 비강 및 부비동에 발생한 혈관주위세포종 치험 1예

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A Case of Endoscopic Surgery of Hemangiopericytoma in Nasal Cavity and Paranasal Sinus

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– ABSTRACT –

Hemangiopericytoma was first described by Stout and Murray in 1942 as a distinct vascular tumor composed of spindle-shaped or rounded cells which were believed to arise from the Zimmerman's pericytes. Hemangiopericytoma occurs wherever capillaries are founded and some of symptoms were clearly referable to the tumor site. Although hemangiopericytoma is usually benign, sometimes it is difficult to differentiate from malignancy because of its diverse clinical features. In case of malignant hemangiopericytoma, surgery, radiation therapy, and chemotherapy played a significant role in the successful control. But as most of the hemangiopericytoma in the nasal cavity and paranasal sinus are benign in spite of occasional local recurrence, surgical excision is the treatment of choice. We experienced a case of hemangiopericytoma excised by sinonasal endoscopic removal. (J Clinical Otolaryngol 2000;11:148-152)

KEY WORDS : Hemangiopericytoma · Nasal cavity · Paranasal sinus.

서 론

1942 Stout Murray¹⁾

(Zimmerman's pericyte)

가

가

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(Fig. 3).

가 5

(Fig. 4)

가 , 고 찰

1923 Zimmermann

가 , 1941 Stout Murray¹⁾

가

Paul Richard²⁾ 30

(Fig. 1).

가 Klaus John³⁾

, Kim⁴⁾

(trocar)

가 가

(Fig. 2).

vimentin
factor VII - related antigen actin

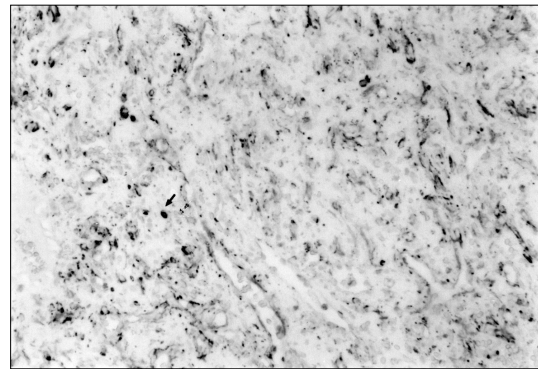


Fig. 2. Photomicrograph showing thin-walled blood vessels & haphazardly arranged tumor cells with oval to elongated nuclei and indistinct cytoplasm (H&E, x200).

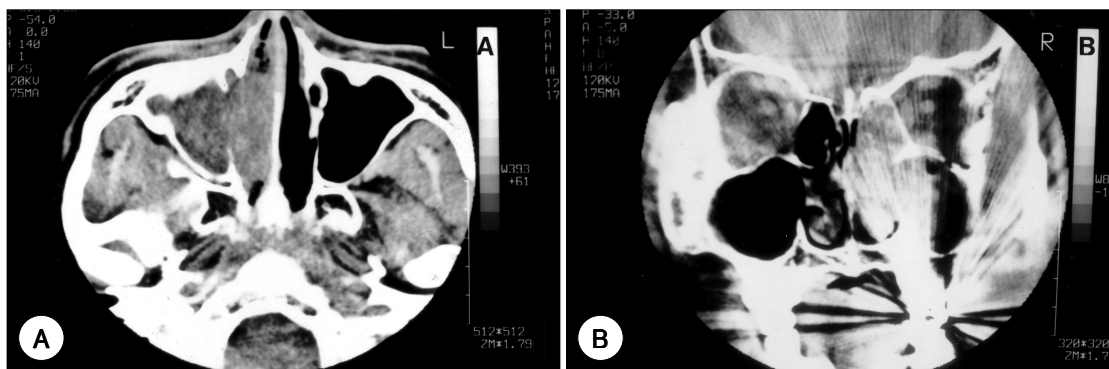


Fig. 1. Axial (A) and coronal (B) CT showing an increased density mass lesion at right side nasal cavity and destructive change of middle and inferior turbinate and medial wall of maxillary sinus.

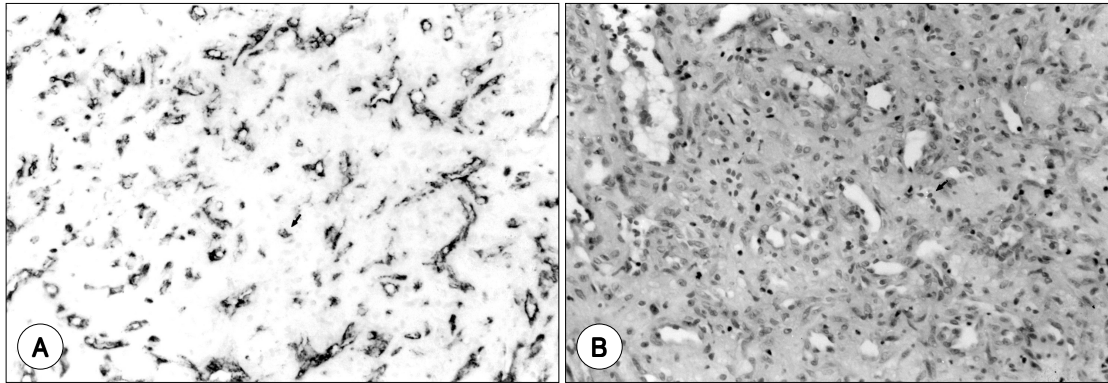


Fig. 3. Immunohistochemical staining for vimentin (A) & factor VII-related antigen (B) (× 200).

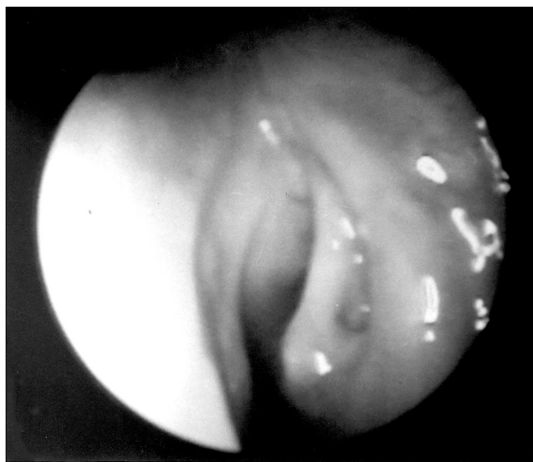
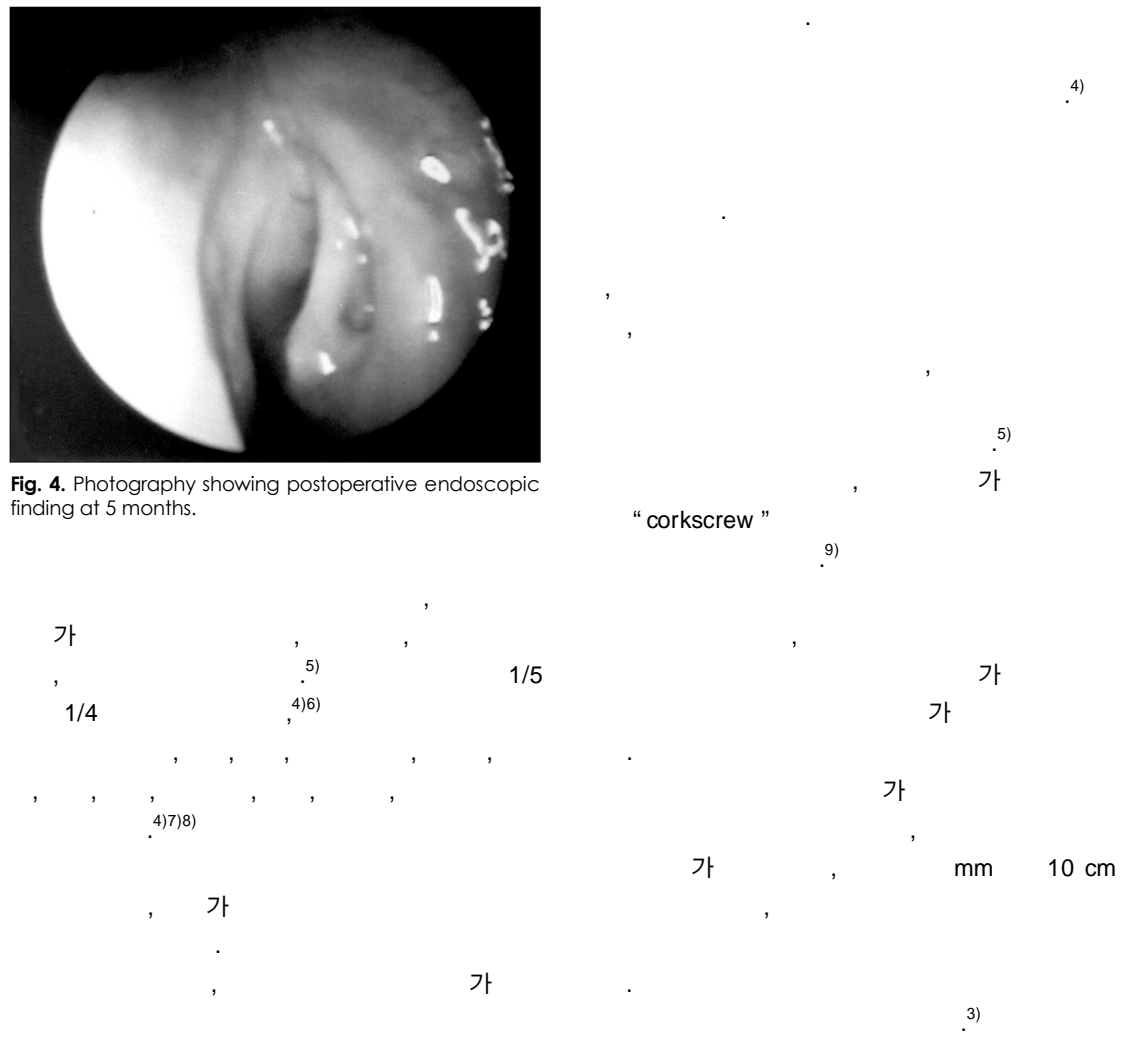


Fig. 4. Photography showing postoperative endoscopic finding at 5 months.



Hemangiopericytoma - like tumor⁶⁾

1923 Zimmermann⁴⁾⁹⁾
(pericyte)⁴⁾
가⁹⁾ actinomycin D, cy-
vimentin clophosphamide, vincristine, methotrexate
actin
¹²⁾ vimentin³⁾¹³⁾¹⁴⁾
factor VIII re-
lated antigen actin
cytokeratin
S - 100 protein epithelial membrane antigen 가 ,
silver reticulin
stain 가⁵⁾ 가
가¹¹⁾ 25 50%
¹⁰⁾¹¹⁾ 가 12 60%
³⁾¹²⁾ 40%
(basal lamina) 10%
(basal lamina - like material) ,
, myogenic type filaments, 가³⁾⁶⁾
(pinocytic vesicle)
가 가 ,
(glomus tumor), (angiosarcoma),
(angiofibroma), (hemangioendothelioma), 가
(fibrous histiocytoma),
(mesenchymal chondrosarcoma) 20
⁹⁾
Enzinger⁵⁾
, 가 (>6.5 cm), 가
(>4 /10 HPF), 가
가
가 가
가¹²⁾
가

중심 단어 :

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