

## 접합동염에 이차적으로 발생한 해면정맥동 혈전의 치료 1례

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## A Case of Cavernous Sinus Thrombophlebitis Secondary to Sphenoid Sinusitis

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## - ABSTRACT -

Cavernous sinus thrombophlebitis manifests proptosis, chemosis, lid edema, limitation of extraocular muscle motion, and decreased visual acuity. This disease also has high mortality and neurologic morbidity rate ; therefore, the prompt, precise, and appropriate diagnosis and treatment is essentially needed. The method of treatment is a surgery applied to primary infection focus with antibiotic therapy. Cavernous sinus thrombophlebitis may be caused by mid-facial skin infection, paranasal sinusitis cause this disease. The authors experienced a case of cavernous sinus thrombophlebitis arising from sphenoid sinusitis. We drained pus from the sphenoid sinus using endoscopic sinus surgery technique and applied intravenous antibiotic therapy leading to the resolution of cavernous thrombophlebitis. (**J Clinical Otolaryngol 1999;10:268-272**)

**KEY WORDS** : Sphenoid sinusitis · Cavernous sinus thrombophlebitis · Endoscopic sinus surgery.

## 서 론

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 (painful  
 opht - halmoplegia syndrome),  
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**Fig. 1.** Photograph of patient taken preoperatively. It shows proptosis, chemosis, lid edema, bilaterally, especially on the right side.

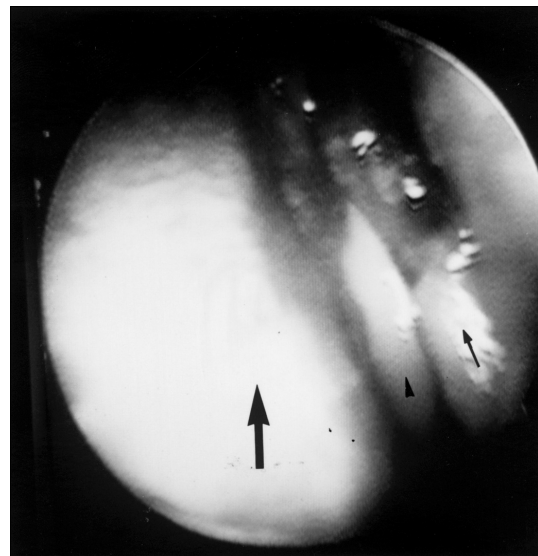


**Fig. 2.** Preoperative PNS CT scan shows the soft tissue density in the left sphenoid sinus (arrow).

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**Fig. 3.** Preoperative T1 weighted Gd-enhanced brain MRI shows increased signal intensity of both cavernous sinuses (arrowhead) and thickening of the adjacent meninges (thick arrow) and decreased size of the internal carotid artery (thin arrow).



**Fig. 4.** Intraoperative endoscopic finding shows purulent pus from the sup. meatus (thick arrow-septum, thin arrow-middle turbinate, arrowhead-pus).

가 13,710/mm<sup>3</sup>, 108 mm/min, (CRP) 26.5 mg/dl 가 (Figs. 2 and 3). 가 (Fig. 4).



Fig. 5. On the 7th postoperative day, proptosis, chemosis, and lid edema disappeared.

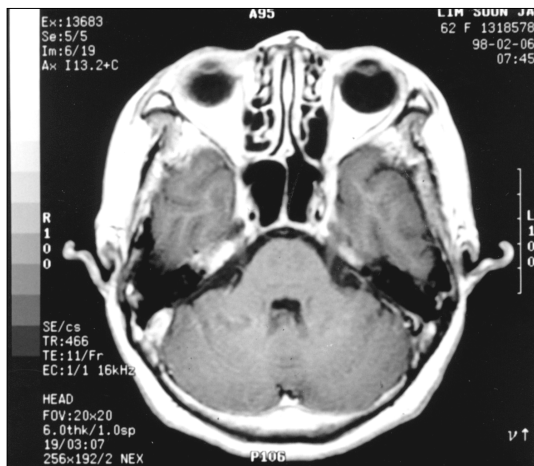


Fig. 6. Postoperative T1 weighted Gd-enhanced MRI of 4 weeks after endoscopic sinus drainage shows negative findings.

nasal packing, 7, 25 (Fig. 5), 4 (Fig. 6),

### 고 찰

가 5)6) 가 가 1, 2 가 가 (sup. & inf. ophthalmic vein) (facial vein) (pter-ygoid plexus) (mid-dle cerebral vein) (sup. & inf. petrosal sinus) (int. jugular vein) 5)6)13) 2/3)가 1/ 2 7) Staph-ylococcus aureus 가 , Pasca-relli 8) 15% , Southwick 8 5) 1 S. aureus, S. pn-emoniae, aerobe anaerobic streptococci가

Aspergillus<sup>3)13)</sup> 7% heparin, steroid  
(maxillary teeth)<sup>15)</sup> 8%  
50%<sup>10)</sup>  
Price<sup>9)10)</sup> penicillinase resist-  
ant *S. aureus* amoxicillin/clavulanate potas-  
sium, ceftriaxone, astromicin  
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가 가 5  
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streoid  
가 30% 30%  
가가<sup>7)13)</sup>  
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중심 단어 :

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