

# 안구돌출증 교정을 위한 Transantral Orbital Decompression 후 발생한 지연성 급성 상악동염

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## Delayed-Onset Acute Maxillary Sinusitis after Transantral Orbital Decompression

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### — ABSTRACT —

Graves' disease most commonly affects the thyroid gland and orbit. The ocular manifestations of this disease, referred to as dysthyroid orbitopathy, can have both cosmetic and visual threatening consequences. Surgical decompression of the orbit is performed by removing one to four bony walls. The confined orbital contents prolapse into adjacent spaces, allowing ocular recession with a reduction of pressure on the globe and optic nerve. The authors experienced an unusual case of delayed type acute maxillary sinusitis with infraorbital nerve palsy secondary to orbital decompression for Graves' disease. That was due to obstruction of natural ostium by prolapsed orbital contents. We had a good result by ventilation procedure for maxillary sinus through endoscopic approach. (J Clinical Otolaryngol 1999;10:90-93)

**KEY WORDS** : Graves' disease · Orbital decompression · Complication.

### 서 론

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(infraorbital nerve palsy)

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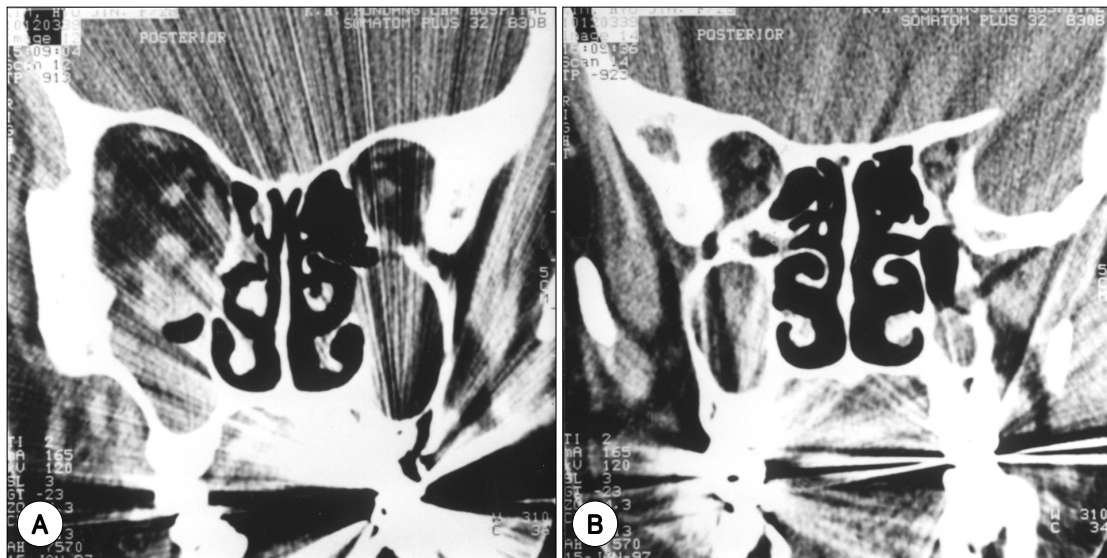
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증 례

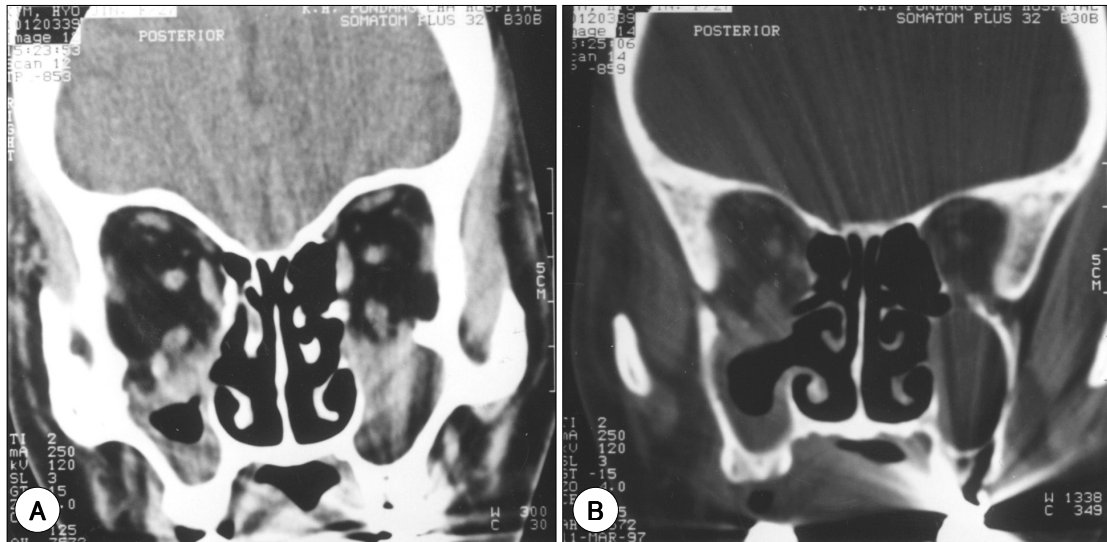
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# Transantral Orbital Decompression

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 : 1988 (Fig. 1).  
 4 1991 : T<sub>3</sub> ; 1.5 ng/ml, T<sub>4</sub> ;  
 12.4 ug/dl, TSH ; 0.4 uU/ml  
 Caldwell - Luc  
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 OMU CT : (un -  
 가 cinate process)  
 Freer elevator  
 (lamina papyracea)



**Fig. 1.** Preoperative OMU CT scan shows absence of inferior orbital wall, soft tissue densities in maxillary sinus and obstruction of natural opening of maxillary sinus by orbital contents prolapsed. A. OMU CT at ostiomeatal unit area. B. OMU CT at more posterior part than A



**Fig. 2.** Postoperative OMU CT scan (Postop. 4 weeks) shows good ventilation after removal of bony medial wall of right maxillary sinus and decreased soft tissue densities in maxillary sinuses. A. OMU CT at ostiomeatal unit area. B. OMU CT at more posterior part than A.

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OMU CT  
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(Fig. 2).  
고 찰  
Graves  
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T -  
1)  
Graves  
(sinus obliteration procedure)  
가 가  
Cal -  
dwell - Luc  
Hirsch<sup>2)</sup>  
CT  
(transantral  
approach)  
, Ogura<sup>3)</sup>  
252 2 , Warren<sup>4)</sup> 305 5  
, Garrity<sup>5)</sup> 428 18 , Tjon<sup>6)</sup> 75  
6  
. DeSanto<sup>7)</sup> 200 7 가  
Lee<sup>8)</sup>

:

, silastic sheet    stent

. McCord<sup>9)</sup>

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가

중심 단어 :

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(pathologic ci -

rcular flow)

요 약

Graves

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