

## 내시경과 Nd-YAG Laser를 사용한 선천성 후비공폐쇄의 치료

곽기용 · 송영창 · 장철호

## Transnasal Endoscopic Approach using Nd : YAG Laser for Choanal Atresia

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## - ABSTRACT -

Choanal atresia is a congenital anomaly usually diagnosed at birth. The transnasal endoscopic route offers excellent visualization of the posterior choana, so the ability to open the defect widely with a high surgical success rate. Recently we have treated a case of unilateral membranous type using Nd : YAG laser. The advantage of the Nd : YAG laser is its fiber-optic delivery, allowing the laser to be hand-held, giving greater precision. Laser ablation of the obstructing tissues was attempted through a videoendoscope. The procedure was found to be safe, quick, with minimal morbidity and a shorter in-patient stay. Good nasal airway was achieved. We present the result of the transnasal endoscopic approach using Nd : YAG laser with review of literature. (**J Clinical Otolaryngol 1999;10:87-89**)

**KEY WORDS** : Choanal atresia · Transnasal endoscopic approach · Nd : YAG laser.

서 론

Nd : YAG

3

가

Shigeru <sup>1)</sup>

증 례

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Lee <sup>2)</sup>

KTP/532

: 1998 11 4

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: , 570 - 711

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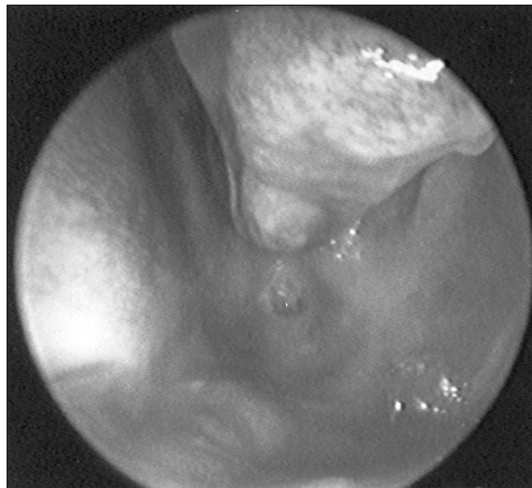
(Fig. 1).

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(Fig. 2).

: , ,  
:  
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0° : 4 mm  
du -  
ckbill elevator 가  
cup forceps 2.7 mm



**Fig. 1.** The picture shows the preoperative endoscopic view of complete choanal atresia.



**Fig. 3.** The picture shows the intraoperative ablation using the Nd : YAG laser under endoscope.

30°  
4 mm 0° 0.2 mm  
tip Nd : YAG  
(Fig. 3).  
silicon tube 3  
3  
2 1  
2  
(Fig. 4).

고 찰



**Fig. 2.** The axial CT film shows the atresia at the left side. Arrow indicates the soft tissue density which forms the atresia.



**Fig. 4.** Postoperative endoscopic finding shows the well patent choana.

: Nd : YAG laser

가 90%

가

3-8)

가

요 약

3

Nd : YAG

가 . Healy <sup>9)</sup>

CO<sub>2</sub>

1998

poster

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