

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 ¹⁾	증	례
Lee ²⁾	KTP/532	가	:
: 1998 11 4	: 1998 2 7	: 3	:
: 570 - 711	344 - 2	가	:
: (0653) 850 - 1311	: (0653) 841 - 6556	가	(Fig. 1).
E - mail : chul@wonms.uonkwang.ac.kr	(Fig. 2).		

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 ckbill elevator 가
 cup forceps 2.7 mm

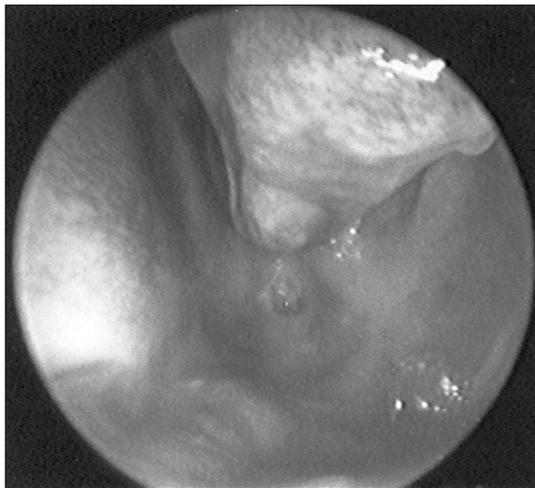


Fig. 1. The picture shows the preoperative endoscopic view of complete choanal atresia.



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
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 2
 (Fig. 4).

고찰



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

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가

3-8)

가

요 약

3

Nd : YAG

가 . Healy 9)

CO₂

1998

poster

REFERENCES

2 3

5 6

CO₂

Shigeru 1) CO₂

KTP/532

Nd : YAG

Furuta 10)

CO₂ Nd : YAG

Nd : YAG

가

tip

가

0.2 mm 가

Nd : YAG tip 0.2 mm

가

3

silicone, silastic, polyethylene, portex

가

가 3 8 11-15) Kim

8)

3

가 가

가

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