

부비동내시경 수술의 기본수기

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Basic Surgical Technique for Endoscopic Sinus Surgery

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서 론

가

1)2)

(dacryocystorhinostomy),

가

3)

Messerklinger

(ostiomeatl unit, OMU)

가 4)5)

가

가

술전 처치 및 환자위치

Benzodiazepine

(Midazolam 2~3 mg)

opioid

(Pethidine 50 mg)

sition)

wler s position)

(supine po-

(semi - Fo-

: ,700 - 721

2가 50

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가
가

내시경 기구의 기본적인 조작

마취

lidocaine 1 : 1000 epinephrine 10 cocaine 2~4% cotton pledget

aspirin triad reactive airway disease 가 가 가⁶⁾ 가 가

rigid endoscope 2.7 mm 4.0 mm 4 mm 가 cep) (elevator), 가 , 가 pu- nch, (trocar), (probe) 0° 30° 70° 가 Mayo stand monitor 가 (Fig. 1).

가 가 가

90~100 mmHg

1~2% lidocaine 1 : 100,000 - 1 : 200,000 epinephrine 23~25 G spinal needle 1~2 cm 15°~30° 가 가

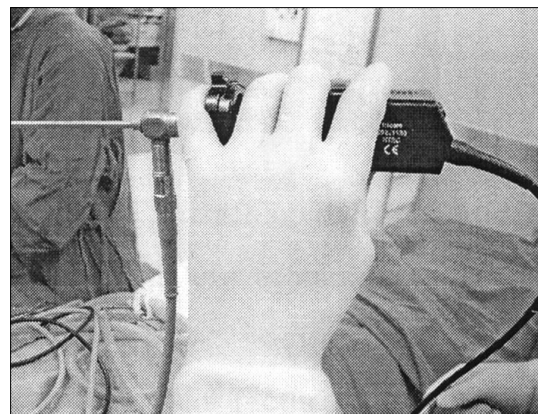


Fig. 1. The endoscope coupled with video camera is relatively heavy to hold in the middle of its shaft with fingers. It is recommendable to hold the endoscope and body of video camera together as like illustration.

가
 erview)
 (landmark)
 가
 suction tip
 suction tip
 가
 Back biting forceps

술 기

사골동절제술(Ethmoidectomy)

가
 cutting forceps
 (sinus lateralis) 가
 가 torus lateralis
 1~3
 3 (ground lamella)
 3~4 mm
 가
 0.1% epinephrine cotton
 3
 10
 microdebrider
 Onodi cell
 가

점형동절제술(Sphenoidectomy)

구상돌기 절제(Uncinectomy)
 (lamina papyracea)
 (sickle knife), Fr-
 eer elevator, Cottle elevator
 45 ° 15 °~25 °
 7 cm 30 ° , choa-

nal arch 10~12 mm 3~5 cap)
 mm , 5 mm

(Figs. 3a, 3b and 4a)

가

(uncapping)

(Figs. 3c and 4b).

(arch)

(supraor-

bital recess)

7-9)

가

가

가

cutting for-

ceps, frontal curette

giraffe forceps

(Fig. 2).

Sphenoid punch, circular cutting punch, curette

가

가

가

5 mm

전두와 확인

70 °

30 °

(agger nasi cell)

(bone

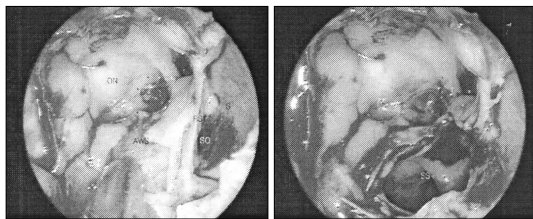


Fig. 2. Transethmoidal sphenoidectomy (view of right side). After complete ethmoidectomy and partial resection of the inferior part of superior turbinate, it is easy to find the ostium of sphenoid at sphenothomidal recess. As shown in this picture, operator must be aware of the existence of Onodi cell located laterally and superiorly to the sphenoid sinus to avoid serious complication. AWS : Anterior wall of sphenoid sinus, OC : Onodi cell, ON : Optic nerve, RST : Remnant of superior turbinate, S : Septum, SO : Sphenoid sinus ostium, SS : Sphenoid sinus after removing anterior wall of sphenoid sinus.

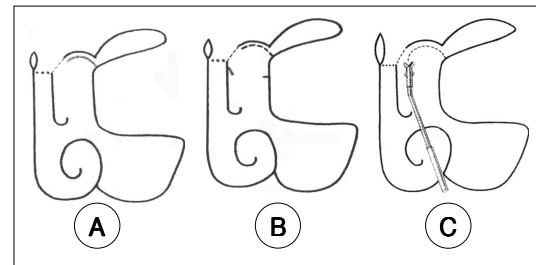


Fig. 3a-c. Remnants of thin "bone caps" of a terminal recess or an agger nasi-cell (A) and an ethmoidal bulla (B), all narrowing access to the frontal sinus. Removal of an "bone cap" with giraffe forceps (C).

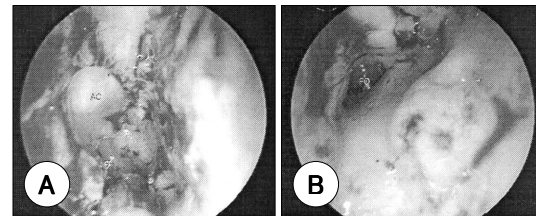


Fig. 4. The view through a 70 degree lens into the right frontal recess. Remnant of thin "bone cap" of an agger nasi-cell (A) and after removing agger nasi-cell (B). AC : Agger nasi-cell, FO : Frontal sinus ostium.

상악동 자연공확인

가

trum seeker

curved suction tip

(conch bullosa)

가

가 (floppy)

silastic sh-

heet

inverted U - shape

가

2~3

가

curette, an-

중심 단어 :

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scis-
sor, cutting forceps, microdebrider

(accessory ostium)

(recirculation)

trocar

microdebrider

70 °

중비갑개(Middle turbinate)

가

가

가