

중이 내 미입내경동맥 1예

김연우 · 윤용주 · 이재근 · 이화욱

Aberrant Internal Carotid Artery in the Middle Ear

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-ABSTRACT-

Vascular anomaly in the middle ear is rare and asymptomatic. Especially, aberrant internal carotid artery is very rare and have little clinical significance if diagnosed correctly. However, misdiagnosis and unnecessary procedure can lead to serious complications such as massive bleeding and neurologic sequelae. To prevent this, it is important for the physician to be knowledgeable regarding this disease entity. Recently, authors experienced a patient with aberrant internal carotid artery diagnosed by temporal bone CT and MRA and thus present the clinical and radiographic findings along with a review of literature. (J Clinical Otolaryngol 2005; 16:163-166)

KEY WORDS : Internal carotid artery · Middle ear · Anomaly.

서론

(hemiparesis)
(aphasia)
가
가 41 가
1) (per-
sistent stapedial artery), (high jugular
bulb), (carotid artery aneurysm) 증례
, (glomus
tumor), 41 3

: 2005 4 9

: 2005 5 13

: , 561 - 756

634 - 18

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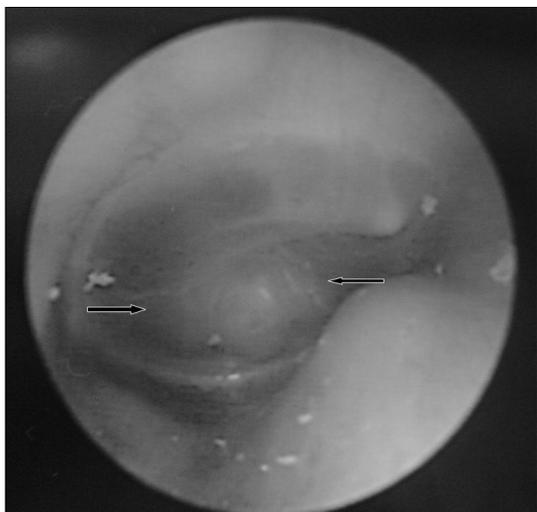


Fig. 1. Right tympanic membrane finding (arrow). A pinkish shadow is observed in the central area of anterior portion of the drum.

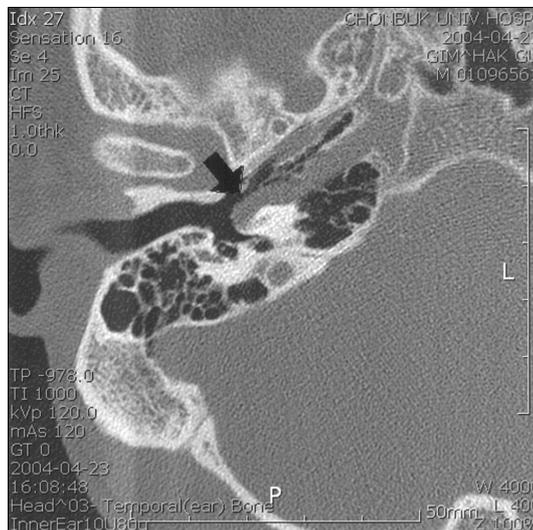


Fig. 3. MRA shows lateral displacement and narrowing of internal carotid artery on right (arrow) and normal finding on left.

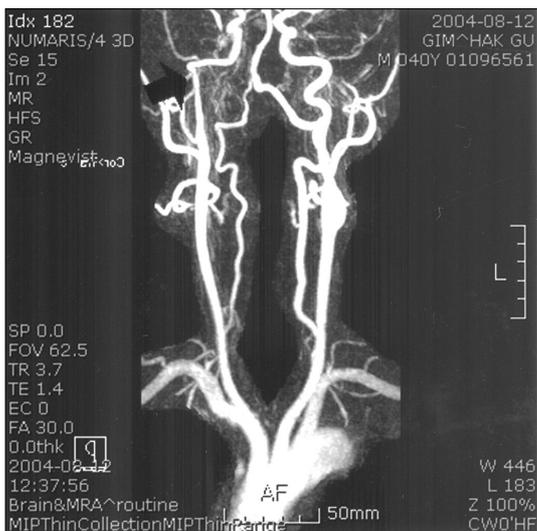


Fig. 2. Temporal bone CT image of the right ear (axial). Internal carotid artery protruding into the tympanic cavity is found (arrow). The lateral bony plate of the horizontal portion of the carotid canal is absent.

(Fig. 1).
 28 dB, 8 dB
 35 dB, 10 dB
 (conductive hearing loss)

(tympanogram) A
 가
 (Magnetic Resonance
 Angiography, MRA)
 (axial image)
 (bony plate)
 (Fig. 2).
 가
 (Fig. 3).
 고 찰
 (aberrant internal carotid artery)
 (carotid

canal) 가 (vestibular line)

(foramen lacerum)

(middle cranial fossa) 가

0.5 mm

1%

2)

MRA Kim 11) 92%

가 가 가 73%

가

3-5)

가

Windfuhr 12) 86

가 30.2%, 68.6%

46.5%, 38.4%, 15.1%가

가 가

가

7)

가 가 가

(pulsating)

8)

가

(anterior crus

of stapes), (incudostapedial joint),

(lenticular process), (long process of

incus) (distal end),

(distal end of malleus handle)

가 2)

9)

가 3

(promon-

tary) 가 가

MRA

(aphasia), (transient hemiparesis),
 sis), (intractable vertigo),
 5)

(procedure)
 MRA

1)3)

3-5)

silastic sheet

10)

Kojima 9)

가

가

(packing) 가

2)5)

결 론

41

가

35 dB,

10 dB

MRA

가

중심 단어 :

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