

자연발생한 천측두 동정맥누공에 의한 이명 치험 1례

김영기 · 윤용주 · 김광민 · 김 원

A Case of Tinnitus Caused by Spontaneous Arteriovenous Fistula
of the Superficial Temporal Artery

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- ABSTRACT -

An arteriovenous fistula consists of an endothelial lined communication between artery and vein without interposed capillary bed. Tinnitus related vascular abnormalities is usually a soft, rushing and pulsatile sound which is synchronous with the heartbeat. Congenital interconnections between the occipital artery and the transverse sinus, internal carotid artery and the vertebral vessels, or the middle meningeal artery and the greater superficial petrosal sinus have been reported. Superficial temporal artery fistula causes tinnitus rarely. We experienced a case of spontaneous arteriovenous fistula of superficial temporal artery causing pulsatile tinnitus which was treated with surgical excision after preoperative embolization with coils. So we report the case with review of literatures. (*J Clinical Otolaryngol* 2000;11:129-132)

KEY WORDS : Superficial temporal artery · Arteriovenous fistula · Surgical excision.

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coil (embolization)

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Fig. 1. Preoperative photograph showing 4 x 5 cm sized pulsating mass at preauricular area.



Fig. 2. CT scan showing highly enhanced mass on left temporal area.



Fig. 3. Angiography demonstrates arteriovenous fistula which spillage from superficial temporal artery and drain directly to dilated vein.

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 4 x 5 cm
 : X-
 Tinnitus
 가 가
 (Fig. 2) (ex -
 ternal carotid angiography)
 가
 (Fig. 3).
 :
 coil
 가 9 cm
 (skin flap)

