



CT
2
가
가
(branchial cleft cyst)
(branchial apparatus)
. 1882 Von Volkmann
가
5 - 6 cm
가
0.7 cm
(1 - 5).
1
60
2
, 1
가
가
3 × 5 cm
가
(Fig. 1A).
5 mm
3 × 4 cm
CT
(6, 7).
(branchial pouch)
(7).
가
, 1882 Von Volkmann
가
(Fig. 1B).
가
(Fig. 1C).
가
(8, 9). 1950
Martin
(tragus)

(branchial vestigia)

Singh

5

Singh (8)

, CT

Hong (10)

가

가

Martin 3

Hong (10)

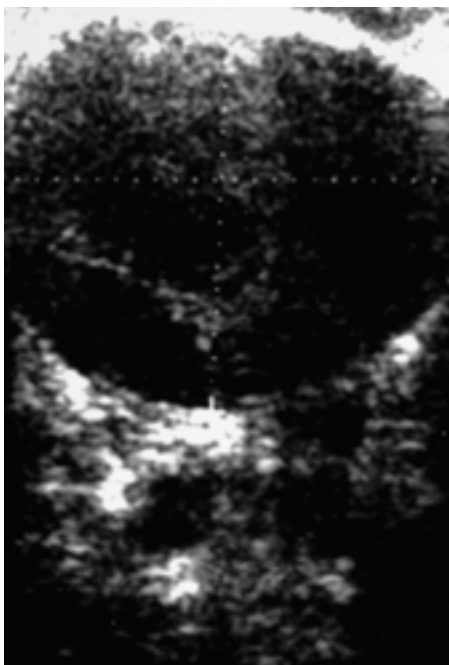
가

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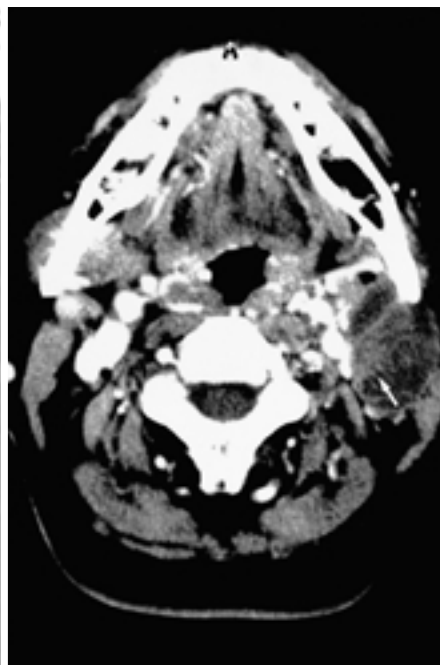
CT,

X-

가



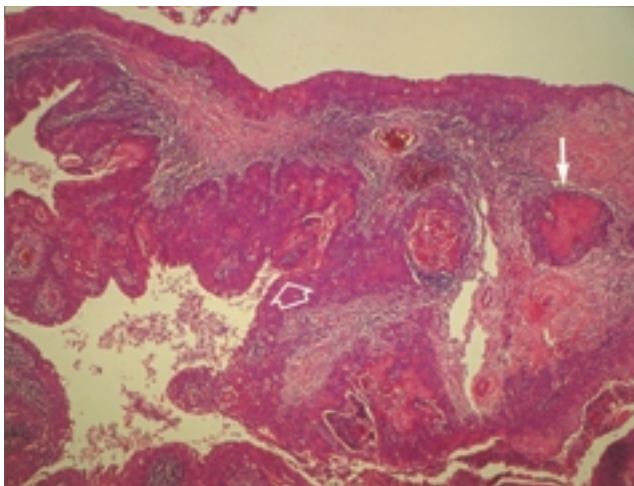
A



B



C



D

Fig. 1. 60-year-old female patient with the left infraauricular painful mass.

A. Transverse sonogram shows a well-defined cystic mass with thick irregular inner wall and septa.

B, C. Contrast enhanced CT scan shows a cystic mass which lies anterior to the sternocleidomastoid muscle, displacing the carotid sheath vessels medially and the submandibular gland anteriorly. It represents characteristic findings of second branchial cleft cyst. The enhanced focal wall thickening is showed, and pathologic analysis confirmed it to be squamous cell carcinoma (arrow). Neighboring lymph nodes are enlarged and show cystic necrotic changes.

D. Photomicrograph shows a portion of the branchial cleft cyst wall lined by normal squamous epithelium with transition to invasive squamous cell carcinoma (open arrow). Infiltrating nest of squamous cell carcinoma with keratin pearls is noted (white arrow).

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Squamous Cell Carcinoma Arising from Second Branchial Cleft Cyst: Case Report¹

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Primary branchiogenic carcinoma is a rare malignant tumor resulting from the malignant transformation of a branchial cleft cyst. In the case we describe, CT scanning and ultrasonography demonstrated the characteristic findings of a second branchial cleft cyst located in the anterior triangle of the neck, along the anterior margin of the sternocleidomastoid muscle. This lesion presented as a well-defined cystic mass with a thick irregular inner wall and central septa, and associated multiple neighboring necrotic lymph nodes. Microscopic examination revealed a transition zone from squamous epithelium to squamous cell carcinoma.

Index words : Branchial cleft
Neck, CT
Neck, neoplasms

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