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Retroperitoneal Bronchogenic Cyst

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A bronchogenic cyst is a developmental abnormality of the primitive ventral foregut. It is usually located in the chest but infradiaphragmatic. However, retroperitoneal locations are rare. Clinically it is usually asymptomatic and incidentally diagnosed, radiologically it is differentially diagnosed from adrenal mass, pancreatic cyst, enteric cyst, urothelial cyst but pathologically it is confirmed when there is bronchial tissue, such as respiratory epithelium, small muscle, serous and mucous gland, cartilage. A 61-year old woman was admitted suffering from epigastric pain. Computed tomography showed a 7cm sized cystic mass in the left adrenal area. The mass was excised and was found to be a bronchogenic cyst. Retroperitoneal bronchogenic cysts, although rare, should be considered in the diagnosis of a retroperitoneal mass. (J Korean Surg Soc 2003;64:89-92)

Key Words: Bronchogenic cyst, Retroperitoneum:

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(foregut)

: , 28 ⊕ 110-744, Tel: 760-2325, Fax: 766-3975 E-mail: osk @snu ac.kr : 2002 5 6 , : 2002 9 17 , , (enteric cyst), (urothelial cyst) , , (フト フト (カラト)

가 61 10 가 15 , 8 . 가 36.5°C, 60 20 / 120/80 mmHg 7 cm (18 HU) (Fig. 1). 39 200 ug/24 h), 24 84 ug (5.6 ug/dl (5 25 ug/dl), 0 60 pg/ml), 25 (1.2 ng/ml/hr (50 194 pg/ml) 1 2.5 ng/ml/hr), 26 pg/ml (, 24 VMA metanephrine 7.9 mg (0.7 6.9 mg/24 h), 2.4 mg (가 5 mg/24 h. CEA 1 ng/ml (ng/ml 20 ng/ml), FP 6 ng/ml (), CA 125 16 U/ml (48 U/ml), CA 19-9 13 U/ml ()

> . 7 cm 가

> > $7 \times 5 \times 4$ cm



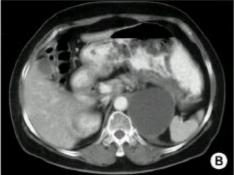


Fig. 1. Computed tomography. In the computed tomography finding, the lesion was 7 centimeter sized cystic mass which is located near the diaphragm and left adrenal gland and showed low and even Hounsefield unit. After enhancement, most lesions showed no increased uptake.

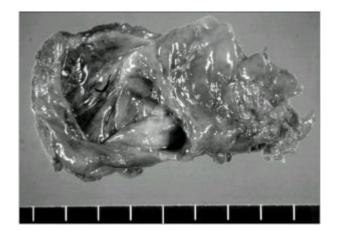


Fig. 2. Gross pathologic finding. The dissected mass was $7\times5\times4$ cm sized and filled with deep brown colored mucous fluid. The weight of mass without mucous fluid was 30 mg, and there was $5\times4\times4$ cm sized cyst when the mass was sectioned. The mean thickness of cystic wall was 0.1 cm and there was no mass like lesion in the cystic wall.

 $30~\mathrm{gm}$, $5\times4\times4~\mathrm{cm}$. $0.1~\mathrm{cm}$ (Fig. 2). $7\dagger$ (pseudostratified ciliated columnar epithelium)

(Fig. 3).

(ventral foregut)

(ventral foregut)

(dorsal side)

(primitive foregut)

(ventral side)

7 (ventral side)

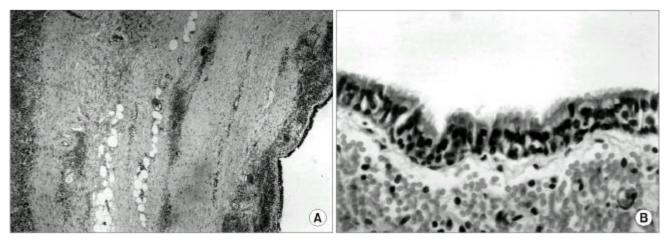


Fig. 3. Microscopic pathologic finding. In the histologic reports, the internal layer of cyst was composed of pseudostratfied ciliated columnar epithelium and the outer layer was composed of the smooth muscle that the cyst was diagnosed as the bronchogenic cyst (A: $H\&E \ stain \times 100$, $B: H\&E \ stain \times 400$).

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.(3,4) Sumiyoshi (5) (pericardioperitoneal canal) (dumbbell) .(6)가 .(6)(pseudostratified ciliated columnar epithelium) (ciliated columnar epithelium), (hyaline cartilage), (alveolar structure)가 .(2) (bronchopulmonary sequestration), (teratoma), (pleuritic tissue) 가 가 가 .(2) 가 30 HU (Houns-가 field unit) 100 HU .(2) Marin **MRI** (7)T1 가 T2 가 T2 .(7) Had-21 dadin 2001 가 가 가 59 가 3 (I)가 Dog-2 gett (8)가 44 7 cm

21 가 10 cm .(1) ,(2)75%가 .(9) 가 .(1) amylase CEA, CA 125, CA 19-9 가가 .(4)Sullivan (10)Tokuda (11)Menke (2) 가 가 가

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