

[PICTURES IN CLINICAL MEDICINE]

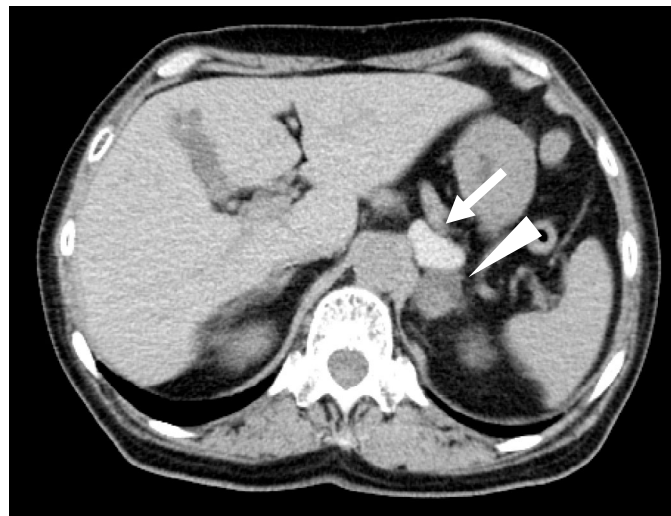
Retroperitoneal Bronchogenic Cyst Adjacent to Adrenocortical Adenoma

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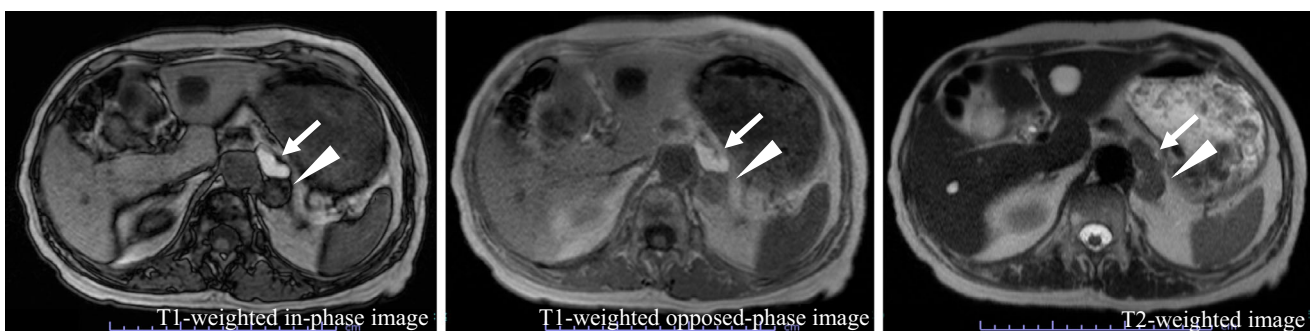
Key words: bronchogenic cyst, adrenocortical adenoma

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Picture 1.



Picture 2.

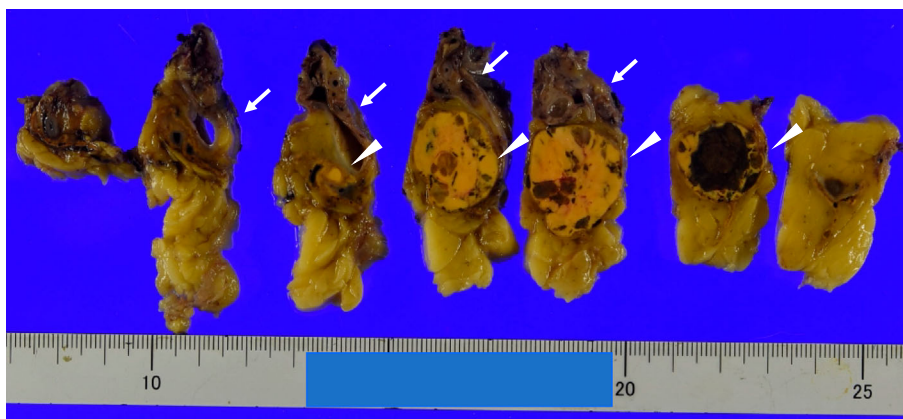
A 73-year-old woman was referred for a left adrenal region double tumor that had been diagnosed incidentally without symptoms. Computed tomography showed high-

density ventral (28×14 mm; arrow) and low-density dorsal (25×20 mm; arrowhead) tumors (Picture 1). In-phase T1-weighted/opposed-phase T1-weighted/T2-weighted magnetic

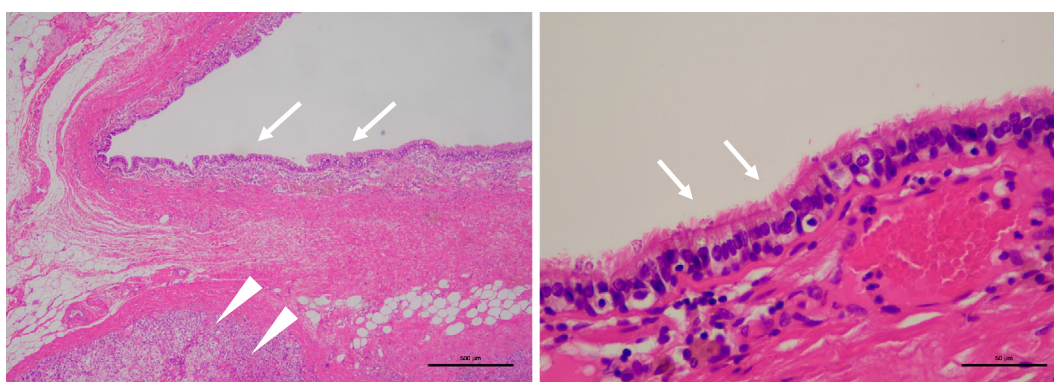
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Picture 3.



Picture 4.

resonance imaging showed hyperintense and hypointense/no signal drop and partial suppression/intermediate and intermediate signal intensity (Picture 2). Mucous filled the ventral tumor, and pathological findings showed respiratory epithelium composing the lining, leading to a presumptive diagnosis of bronchogenic cyst (Picture 3, 4; arrows). The dorsal tumor was diagnosed as benign adrenocortical adenoma, with subclinical Cushing's syndrome diagnosed based on serum cortisol levels of 5.8 $\mu\text{g}/\text{dL}$ after a 1-mg dexamethasone suppression test (Picture 3, 4; arrowheads). A retroperitoneal bronchogenic cyst, an extremely rare developmental anomaly usually found in the left adrenal region (1, 2), adjacent to an adrenocortical adenoma should be considered as a differential diagnosis for a double tumor in that region.

The authors state that they have no Conflict of Interest (COI).

References

1. Liang MK, Yee HT, Song JW, Marks JL. Subdiaphragmatic bronchogenic cysts: a comprehensive review of the literature. *Am Surg* **71**: 1034-1041, 2005.
2. Govaerts K, Van Eyken P, Verswijvel G, Van der Speeten K. A bronchogenic cyst, presenting as a retroperitoneal cystic mass. *Rare Tumors* **4**: e13, 2012.

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