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Introduction

A CASE REPORT: FUNCTIONING CYSTIC PHEOCROMOCYTOMA

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Preoperative management

- Cystic adrenal neoplasms are uncommon; defined with foci of tumor presented in the cyst wall.
- Adrenal cortical adenoma, adrenal cortical carcinoma
- Amlodipin and doxazosin were begun before 2 weeks
- Hydration was begun before 3 days.

Operation

and pheocromocytoma may be associated.

- Abdominal pain, gastrointestinal symptoms and a palpable mass are the most emerging complaints.
- We report a case of functioning cystic

pheocromocytoma.

Case Report

Medical history

- A 44-year-old man had an abdominal pain on the right side.
- He had a mild hypertension.

Radiology

 Abdominal ultrasonography showed a nodular cystic lesion measured 4 cm in diameter with thin septas and thickened

- He underwent right adrenalectomy with minimal invasivelaparoscopic surgery (Figure 2).
- Anesthetic induction was performed with fentanyl, propofol, vecuronium and lidocaine.
- During manuplation of adrenal lesion three hypertensive attacks occured; infusion of nitroglycerine, nitroprusside and diltiazem were given.



Figure 2

Pathology

- wall in the right adrenal.
- Computed tomography confirmed hypodense lesion measured as 78x48 mm in diameter and 40 HU in density (Figure 1A).
 - Magnetic resonance imaging demonstrated non-
 - suppressed lesion in fat-suppressed sequence (Figure 1B).







Figure 1B

pg/mL

µg/dL

µg/day

ng/mL/hour

µg/dL

ng/dL

mg/day

µg/day

µg/day

Laboratory

ACTH

12

Clinical course

Figure 3A

Postoperative he was normotensive.

Conclusion

- Cystic strucrure with fibrotic wall; surrounded with solid areas of thinny septas and alveolar tumoral tissue (Figure 3A-B).
- Tumoral tissue was diffuse and strongly staining with chromogranin –A (Figure 3C).
- Ki-67 staining was 0.1%.

ACIII	
Cortisol	13.44
Urine cortisol	850.4
1 mg Dex. Sup.	0.452
Plasma Renin Activity	11.8
Aldosterone	14.61
VMA	46.8
Urine metanephrines	368.7
Urine normetanephrines	495.9
Nuclear Medicine	

 Iodine-123 MIBG images showed right adrenal lesion accumulation

- Adrenal cysts may be incidental or symptomatic.
- Pseudocysts, endothelial cysts, epithelial cysts and parasitic cysts are defined.
- The explanation for the cystic change was marked haemorrhage or degeneration ; must be distinguished from tumoral necrosis.
- We report a case of cystic pheocromocytoma who was symptomatic and biochemically functioning.