

ADRENOCORTICAL CARCINOMA. REPORT OF 4 CASES

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INTRODUCTION

❖ Adrenocortical carcinoma (ACC) is a very rare neoplasm with an incidence of about one case per million population. It is an aggressive tumor (overall 5-year survival 16-38%) and complete resection is the only curative treatment.

DESCRIPTION OF METHODS: We report 4 cases of ACC. The clinical and biochemical features at diagnosis along with clinical course of the disease are discussed.

RESULTS

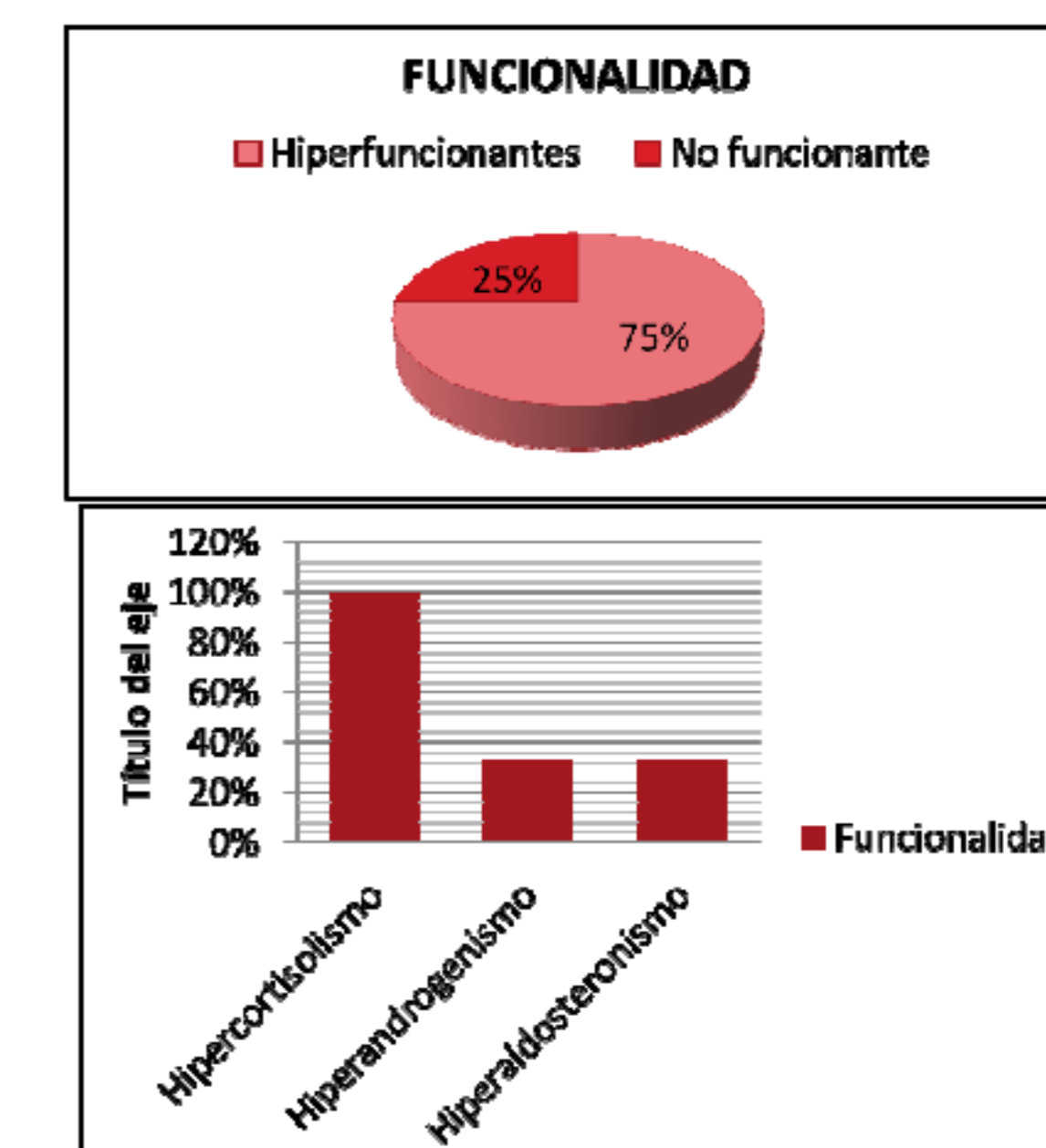
Patients	4
Mean age (years)	31 +/- 14,5
Women	75%

TABLE 1. FEATURES OF PATIENTS WITH ADRENOCORTICAL CARCINOMA.

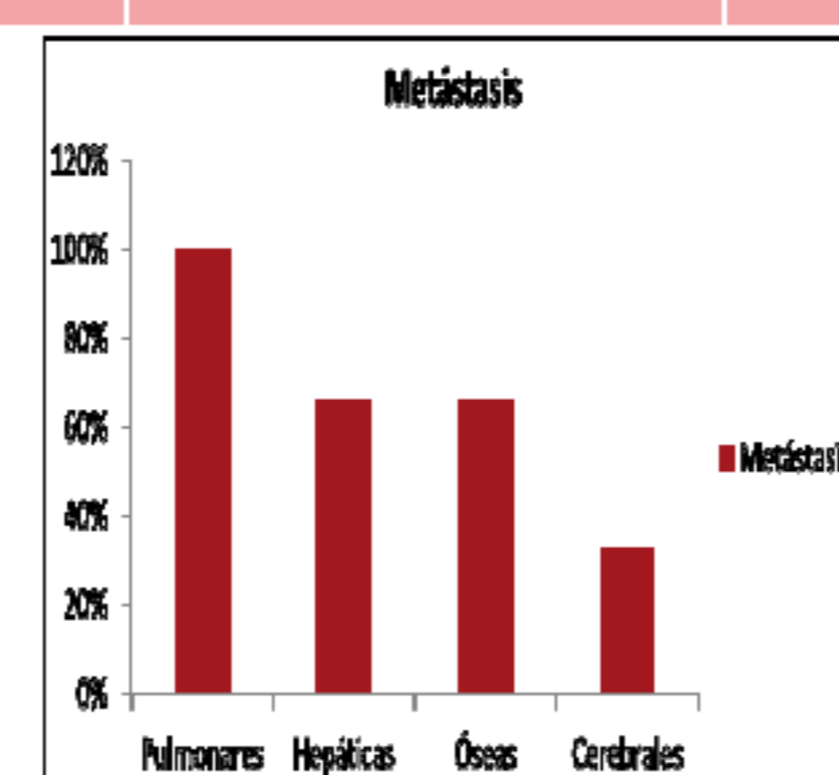
	Age (years)	Sex	Cause of diagnostic	Image Technique	Stage	Size	Functioning	Surgery	Local Recurrence	Metastasis	Medical treatment	Survival (months)
CASE 1	13	F	Virilisation	CT Abdomen	II	11,5x11,5x17cm	YES	YES	YES	YES	Mitotane + QT	37
CASE 2	40	F	HipoK+	CT Abdomen	IV	8x6x5,7cm	YES	YES	YES	YES	Mitotane + QT	11
CASE 3	41	F	Incidental	CT Abdomen	II	10x8,5x7,5cm	YES	YES	YES	YES	Mitotane + QT	>56
CASE 4	30	M	Incidental	CT Abdomen	II	9x7x8cm	NO	YES	NO	NO	Mitotane	>41

TABLE 2. HORMONAL RESULTS

	Reference values	CASE 1	CASE 2	CASE 3	CASE 4
Urinary cortisol	<150 mcg/24h	2056,56	2208	448,8	N
1 mg Dexametasona Supresion	<1,8 mcg/dl	55,19	-	-	-
DHEA-S	0,2-1,2 mcg/ml	7,66	-	-	N
ARP	0,4-1,9 ng/ml/h	N	2,15	N	N
AldosteronE	10-105 pg/ml	N	1185	N	N



METÁSTASIS	
CASE 1	Lung
CASE 2	Lung, bone, liver, brain.
CASE 3	Lung, bone.
CASE 4	NO



MEAN SURVIVAL IN DECEASED 24 +/- 13 MONTHS

MEDICAL TREATMENT	
MITOTANE	100%
ETOPÓXIDO +DOXORRUBICINA +CISPLATINO	50% (CASE 2, 3)
VINORELBINA	25%(CASE 1)

CASO 2 WITH BONE METASTASIS RECEIVED RADIOTHERAPY

CONCLUSIONS

- ❖ ACC are neoplasms with low rate of survival.
- ❖ Stage at diagnosis is related with prognosis.
- ❖ As we can observe in our sample most ACC are functioning.
- ❖ Clinical and radiological features may help in differential diagnosis between benign adenomas and ACC, being size one of the most important predictors of malignancy.

