

CASE REPORT: SAFETY AND USEFULNES OF METYRAPONE FOR THE CONTROL OF HYPERCORTISOLISM IN A COMPLEX PATIENT WITH CUSHING'S DISEASE

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Introduction

Medical treatment for hypercortisolism control is necessary as pretreatment for patients with Cushing's disease and for patients with persistent or recurrent Cushing's disease.

Objetives

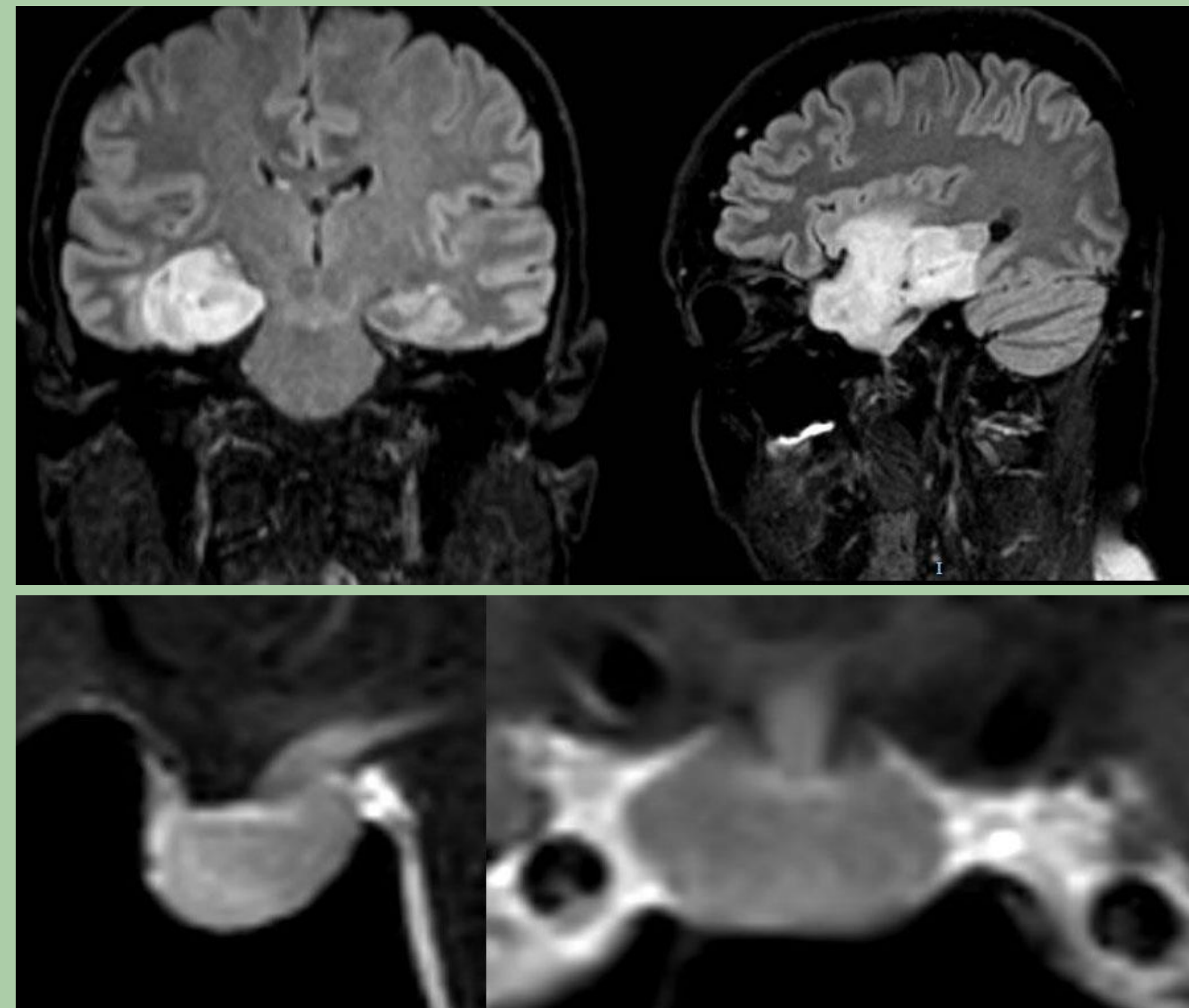
To describe an experience with Metyrapone as medical treatment in a patient with complex Cushing's disease

Report

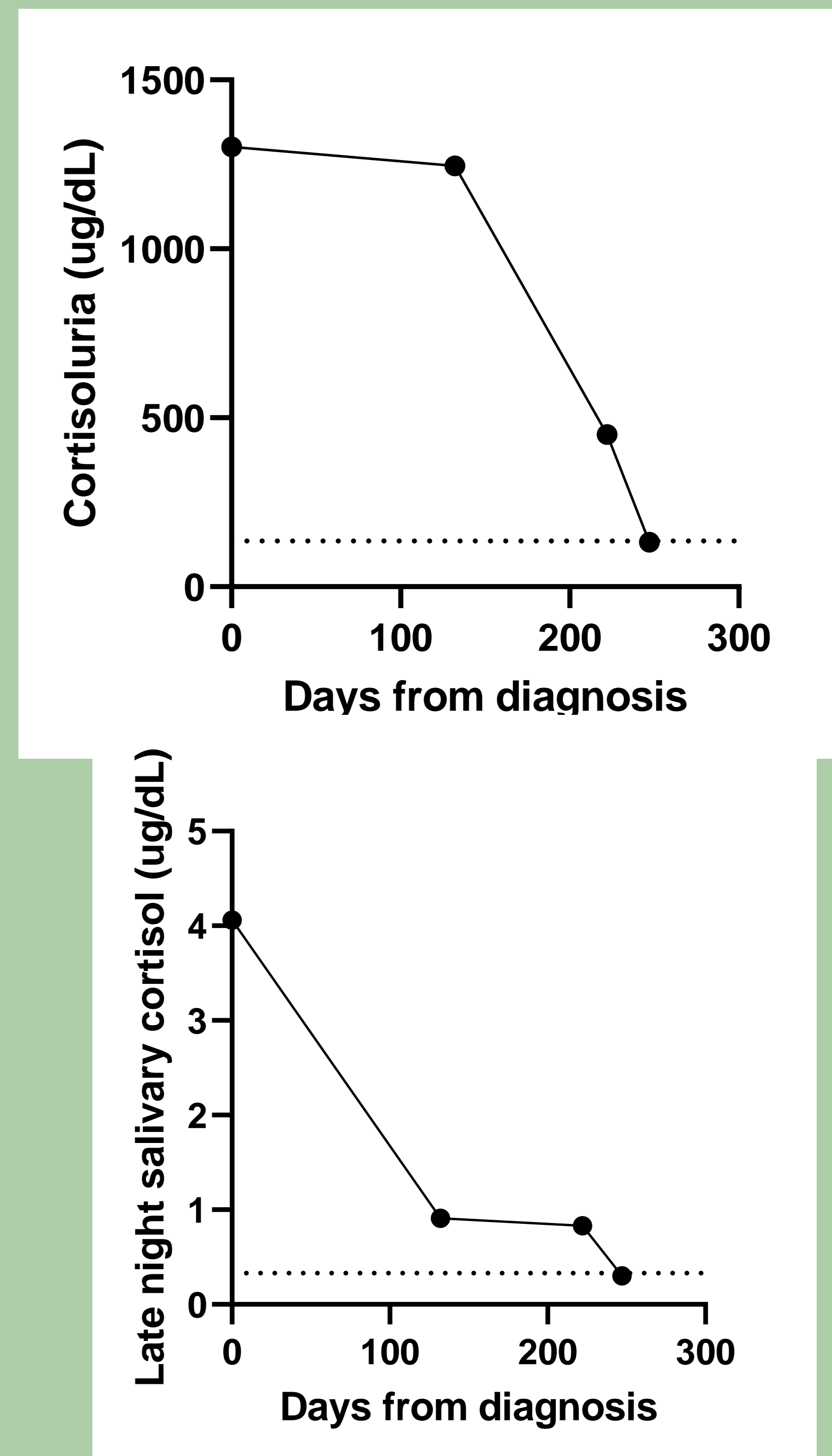
A 48-year-old patient with bipolar disorder, obesity and HTN with symptoms of Cushing disease. Persistently elevated 24 hours urinary free cortisol (1302 and 1245 $\mu\text{g}/24$ hours [35-135]), nocturnal salivary cortisol (4.06 and 1.98 ug/dL [0.03-0.33]) confirmed hypercortisolism. A diagnosis of ACTH-dependent Cushing's syndrome was made based on elevated ACTH (25.8 pg/mL). In pituitary MR no adenoma was found, but a temporomesial glioma was observed. Multidisciplinary team decided prioritize glioma treatment and treat hypercortisolism by medical through steroidogenesis inhibitor.

Ketoconazol 200 mg twice a day was initiated. 5 days after, patient began with arterial hypotension, dysarthria and absence seizures. He was referred to emergency room but symptoms related with glioma were rouled out and she was diagnosed with lithium poisoning.

Due to temporal association with initiation of Ketoconazol, it was suspended. metyrapone 250 mg twice a day was initiated reaching 500 mg twice a day. With this dose adjustement, hypercortisolism control was achieved with normal 24-hours urinary free cortisol (85,5 and $\text{ug}/24$ hours) and almost normal nocturnal salivary cortisol (0,38 $\mu\text{g}/\text{dL}$). There weren't new episodes of lithium poisoning and glial lesion was treated with surgery and adyuvant radiotherapy.



MR images showing temporomesial glioma and sella images were no adenoma can be noticed.



Conclusions

Metyrapone is an useful and secure treatment for hypercortisolism control and can be used in complex cases as the one presented