



Proceeding

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An interesting case of Cushing's Syndrome

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Introduction

Cushing's Syndrome constitutes a group of signs related to prolonged exposure to glucocorticoids. The most frequent etiology in children is chronic corticosteroid therapy. Adrenocortical carcinoma or even Cushing's syndrome are rare causes in this age group.

Objective

To report an infant with Cushing syndrome.

Case Report

A 1-year-old, female infant, presenting a few months after the birth with generalized obesity with a weight of 10 kg (>2SD) and a height of 66 cm (-1SD). She had a lunar face and stretch marks, without hypertension or signs of hyper androgenism.

The clinical hypercorticism was confirmed by plasma cortisol at 8:00 am of 400ng/ml. The abdomino-pelvic CT identified a

left adrenal mass, without other visible lesions. Surgical removal was done and the excisional biopsy confirmed the diagnosis of an adrenocortical carcinoma. The postoperative follow-ups were marked by convulsion due to a cerebral thrombophlebitis with good evolution under anti-coagulants treatment. After 13 years follow-up the girl did not show any signs of recurrence with normalization of her BMI.

Conclusion

Adrenocortical carcinomas are very rare tumors in children often arising before the age of 5 years (80% of the cases). Their most frequent presentation is the appearance of clinical signs of hormonal hypersecretion. Their diagnosis must be confirmed by adrenal MRI and their treatment is based only on surgery.



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