



POSTER PRESENTATION

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Mixed embryonal carcinoma – teratoma cause early puberty: a case report

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Introduction

Mixed embryonal carcinoma – teratoma is defined a rare kind of germ cell tumor, especially in children. Objective: a rare case report with early puberty due to mixed embryonal carcinoma – teratoma.

Subject

A 3 year 7 month old boy presented with early puberty and adrenal tumor in National Hospital of Pediatrics.

Method

A case report.

Results

A 3 year 7 month old boy presented with enlargement of penis, acnes, pubic hair, deep voice. He admitted with his height of +2.3SDS, penis length of 6cm, testes volume of 4ml, pubic hair P2 (tanner). Abdominal ultrasound and CT scan showed adrenal tumor. Serum laboratory showed: 17 OHP 3,8 ng/ml, testosterone 32,3 nmol/l, cortisol 8h 433,9 nmol/l, cortisol 22h 39,2 nmol/l, glucose 3,7 mmol/l, α FP 3945,9 u/l, electrolyte normal; urine VMA 15,5 μ mol/24h; bone age 5 years. Surgical showed the tumor did not originate from the adrenal. Histology showed mixed embryonal carcinoma – teratoma. After surgery, the signs of virilization reduced, serum testosterone became normal.

Conclusion

Mixed embryonal carcinoma – teratoma can be caused by testosterone excretion and early puberty.

Written informed consent was obtained from the patient's parent or guardian for publication of this Case

report (and any accompanying images). A copy of the written consent is available for review by the Editor-in-Chief of this journal.

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