



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,  $\alpha$ FP 3945,9 u/l, electrolyte normal; urine VMA 15,5  $\mu$ 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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