

JUVENILE GRANULOSA CELL TUMOUR IN A SEVEN YEAR OLD GIRL PRESENTING AS PRECOCIOUS PUBERTY

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ABSTRACT

Granulosa cell tumours (GCTs) are a group of gynecological malignancy that occurs rarely, especially in children. Isosexual precocious puberty in prepubertal girls has several etiologies. Juvenile granulosa cell tumour (JGCT) is one of the rarest causes that only accounts for 1% of all ovarian cancers. We report a 7 year old girl with abdominal pain as well as isosexual precocity, who presented as premature thelarche and vaginal bleeding. Abdominal ultrasound revealed a mass in the right adnexa. Tumour markers were within normal range. She underwent an exploratory laparotomy for tumour resection and right salpingo-oophorectomy. Histopathology reported a juvenile granulosa cell tumour of the ovary. Postoperatively, she experienced a cessation of vaginal bleeding and regression of breast enlargement. She has since been followed up for one year with serial ultrasound scans confirming that early stage disease has good prognosis.

KEYWORDS: Granulosa Cell Tumor, Juvenile, Precocious Puberty, Sex Cord Stromal Tumor