

## PRIMARY HYPOTHYROIDISM WITH OVARIAN CYST AND PITUITARY MASS

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**P**Primary hypothyroidism is frequently seen in children, with a prevalence of 2.5%, with autoimmune thyroiditis being the most common cause of acquired hypothyroidism. It is commonly manifested as a slowing in physical and mental activity, dull mood, but in general its manifestations are neither sensitive nor specific, and difficult to attribute to a particular cause. Primary hypothyroidism also can present with precocious puberty and/or ovarian cyst, pituitary masses are another presentation of untreated primary hypothyroidism, which can wrongly be diagnosed as pituitary tumors. Here, we report a case that has both features, aiming to highlight the physiologic mechanisms proposed to explain this phenomenon, and to draw attention toward importance of early recognition, and proper management of this disease because it shows that non-recognition and suboptimal management can lead not only to a delay in diagnosis but also to thinking about unnecessary surgical procedures. We report a case of a 13 year old girl seeking medical advice due to progressive abdominal mass which was enlarged gradually

over the last two years, with concern of tumor. She was found to have features of hypothyroidism, diagnosis of Hashimoto's thyroiditis was made and thyroxin was started in a dose of 2 mg/kg. Without marked improvement in her condition, she presented to our unit asking for second opinion with fear of tumor. After history been revised, careful examination and performing related investigations, we labled her as a case of primary hypothyroidism, complicated by ovarian hyperstimulation syndrome (sOHSS) and pituitary hyperplasia

### Biography

Olivia Al-Hassan graduated from the Faculty of Medicine of Baher Elgazal University as a Medical Doctor and am MD in Pediatric and Child Health, obtained from Sudan Medical Specialization Board. Later on she obtained her subspeciality in Pediatric Endocrinology from ESPE (European Society of Pediatric Endocrinology) PTCA 2016, and then started working at Jafar Ibn Auf Tertiary Paediatric Hospital till now.

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