

Peer Review File

Article information: <https://dx.doi.org/10.21037/gpm-22-27>

Reviewer A

Comment: The timeline in the abstract is not correct, the sentence: "Pelvic ultrasound identified right ovarian cyst and multiple follicles. She was diagnosed with McCune–Albright syndrome based on a genetic analysis of the ovarian tissue after laparoscopic cystectomy", appears before "We performed a cystectomy..."

Reply: We have re-write this part according to the review's comment.
Changes in the text: See Page 2, line 37-39.

Reviewer B

In their case report, Yu and co-investigators described a case of a 5-year-old girl who was diagnosed of McCune-Albright syndrome from the ovarian tissue. She was operated on because of right ovarian cyst, and genetic analysis of the right ovarian tissue revealed a mutation within the GNAS gene. Patient was postoperatively diagnosed of MAS. This case study is of utmost interesting, especially for pediatricians working with children affected by rare diseases. Only minor correction is necessary before the final acceptance.

Comment 1: Please carefully check the abstract, there are so many word errors.

Reply 1. We are very sorry for our incorrect spelling. Our manuscript is checked and revised again to improve its spelling.

Changes in the text: see Page 2, line 28, 29, 35.

Comment 2: Is it true that ovarian cysts and breast development were primarily noted at the age of 3? Why nobody did a diagnostic procedure at that time?

Reply 2. This patient's first visit to doctor at another hospital was due to breast enlargement observed by her parents at the age of 3. She completed a series of examinations at that hospital. Ovarian cysts were initially observed by pelvic ultrasound. She was diagnosed with precocious puberty at that time.

Changes in the text: More details are in Page 2, line 69-71.

Comment 3: Serum estradiol level was increased suggesting a hormonally-dependent cyst. The serum levels were dramatically decreased after the surgery. Did the cyst secrete the hormones?

Reply 3. Follicular cysts do not secrete hormones. In MAS patients, fluctuation in serum estradiol level is a characteristic of precocious puberty. High estrogen

level can lead to ovarian follicular cysts or breast cancer. We think decrease in serum estradiol level may occur at any time, but not relate with the surgery. Changes in the text: More details are in Page 6, line 104-105, Page 7, line 135-137.

Comment 4: In the discussion it is written that “..Ovarian surgery for cysts should be avoided unless there is severe abdominal pain or a risk of torsion...”. What was the reason to perform the laparoscopy?

Reply 4: We performed the laparoscopy for early diagnosis and intervention to decrease skeletal lesions.

Changes in the text: More details are in Page 7, line 124-127.

I recommend to accept this case study for publication pending minor revision. Of course, the language editing of the Abstract is truly recommended.