

INTRODUCTION

Adnexal masses in the paediatric age group has a rare incidence of about 2.6 per 1 lakh girls. Mesonephric cyst being one of the adnexal masses, is a vestigial remnant of the Wolffian duct in females. Its incidence is 10% in teenagers. However, if the cellular lining remains active, it may lead to cystic lesions that may cause pain or torsion of the adnexa.

OBJECTIVE:

Intent of this study is to know about the mesonephric cyst in a teenager considering its rarity amongst the adnexal masses



CASE AND OPERATION PROCEDURE

A 15 year old girl came with complaints of pain abdomen on and off since 6 months which aggravates during her menstrual cycle, increased since 6 days, associated with 4-5 episodes of vomiting 5 days ago.

ON PER ABDOMEN EXAMINATION: No mass felt.

VITALS: stable; **CA125-** 15 IU

USG ABD PELVIS: well defined multiloculated cyst in midline of umbilical region measuring 7.3x5x8.5 cm.

CT SCAN: large multiloculated cystic lesion (>10cm size) in pelvis.

TREATMENT: Laparoscopic left ovarian cystectomy done under general anaesthesia. The cyst was multiloculated consisting of serous material. Procedure was uneventful and patient recovered well.

HPE: features of benign developmental cyst suggestive of mesonephric cyst.

DISCUSSION

Adnexal masses requiring surgical intervention are uncommon in the paediatric population, but it is thought that 9% to 11% of adnexal masses in this age group are malignant. Thus, most adolescent adnexal lesions are associated with benign pathology. There are fewer than 100 cases reported in the literature. In females, mesonephric ducts remain as vestigial structures and are located in the broad ligaments but occasionally persist lateral to the vagina and uterus, and may develop into cystic or neoplastic lesions causing pain and torsion.

CONCLUSION

Mesonephric duct cyst should be considered as one of the differential diagnosis of pelvic masses in adolescent girls.

REFERENCES

- International Journal of Reproduction, Contraception, Obstetrics and Gynecology Pushpalatha K et al. Int J Reprod Contracept Obstet Gynecol. 2015 Jun;4(3):905-907 www.ijrcog.org
- Akkawi R, Valente AL, Badawy SZ. Large mesonephric cyst with acute adnexal torsion in a teenage girl. J Pediatr Adolesc Gynecol. 2012 Dec;25(6):e143-5. doi: 10.1016/j.jpag.2012.06.009. Epub 2012 Oct 23. PMID: 23095530.
- Skinner M, Schlatter M, Heifetz S, Grosfeld J. Ovarian neoplasms in children. Arch Surg. 1993;128(8):849-53. discussion 53-4.