



E-ISSN: 2708-1508  
P-ISSN: 2708-1494  
IJCRS 2020; 2(1): 12-13  
[www.casereportsofsurgery.com](http://www.casereportsofsurgery.com)  
Received: 11-11-2020  
Accepted: 17-12-2020

**Dr. Abhilash Pawar**  
MBBS MS, Assistant  
Professor, Department of  
General Surgery  
Dr. VMGMC Solapur,  
Maharashtra, India

**Dr. Avadhut Dange**  
MBBS MS MCh Oncosurgery  
Assistant Professor,  
Department of General  
Surgery, Dr. VMGMC Solapur,  
Maharashtra, India

## Giant Mucinous cyst-adenoma of right ovary in 13 year old female: A case report

**Dr. Abhilash Pawar and Dr. Avadhut Dange**

### Abstract

Mucinous cystadenoma (MCA) in premenarcheal females that is a rare form of epithelial tumour is a benign cystic ovarian neoplasm. To our knowledge, there are only eight cases of mucinous cyst adenoma, three of borderline mucinous cystadenoma, and three of mucinous cystadenocarcinoma reported in the English-language literature.

A 13-year-old presented with a history of increasing abdominal distension and pain for approximately six months. An adnexal mass measuring 24x18x13 cm was detected by abdominal ultrasonography and computed tomography. She underwent laparotomy and after surgical removal. Histopathology findings showed that the tumour was diagnosed as a mucinous cystadenoma.

**Keywords:** Mucinous cystadenoma, premenarcheal female, salpingo-oophorectomy

**Abbreviations:** MCA- Mucinous Cyst-adenoma, CEA- Carcinoma-embryonic antigen, CA125- cancer antigen 125, AFP -Alpha fetoprotein, HCG-Human chorionic gonadotropin

### Introduction

#### Case report

A 13-year-old, premenarchal, previously healthy girl presented with slowly increasing abdominal distension over six months. The swelling was accompanied by vague abdominal pain and constipation since three months before admission. There was no history of vomiting or other gastrointestinal attacks, fainting attacks, colicky pain. She had no previous history of operations any illnesses or allergies. Huge abdominal cystic mass that occupied all of the abdomen and pelvic cavity based on sonographic examinations was noted.

Haematological and biochemical profiles, tumour markers (AFP, CA-125, CEA, CA 19-9, and HCG) all were within the normal range. On general examination her vital signs were normal, weighed 50 kg. Abdominal tomography examination of the abdomen showed an enormous intra abdominal mass extending from the pelvis to the xiphoid process.

#### Laparotomy was performed by midline incision

There was no free fluid in the abdomen. The tumour was found to originate from the right ovary at surgical exploration. The left ovary and fallopian tube was explored and typically normal. Unilateral salpingo-oophorectomy with tumour removal was performed. The tumour measured 24x18x13 cm and weighed 5 kg (Figure 3)

#### CT images



**Image 1:** CT images

**Corresponding Author:**  
**Dr. Abhilash Pawar**  
MBBS MS, Assistant  
Professor, Department of  
General Surgery  
Dr. VMGMC Solapur,  
Maharashtra, India



**Image 2:** CT images



**Image 3:** Post operative specimen

The histopathology findings showed that cysts are lined with columnar epithelium without atypia containing mucin in the apical part, the tumour was diagnosed as a MCA of the ovary. The postoperative period was uneventful and the patient was discharged on the fifth day after the operation with no local or systemic complications.

Patient was followed up for 3 months with no significant problems.

#### References

1. Crum CP, Lester SC, Cotran RS. In: Robbins Basic pathology. 8. Kumar V, Abbas A, Fausto N, Mitchell R, editor. Ch 19. Elsevier Company, USA 2007.

Pathology of female genital system and breast. [Google Scholar]

2. Ioffe OB, Simsir A, Silverberg SG. In: Practical Gynaecologic Oncology. Berek JS, Hacker NF, editor. Lippincott Williams & Wilkins Company. Pathology 2000, 213-214. [Google Scholar]
3. Ozgun MT, Turkyilmaz C. A giant ovarian mucinous cystadenoma in an adolescent: a case report. Arch Med Sci 2009;5(2):281-283. [Google Scholar]
4. Yenicesu GI, Cetin M, Arici S. A huge ovarian mucinous cystadenoma complicating pregnancy: a case report. Cumhuriyet Med J 2009;31:174-177. [Google Scholar]
5. Alobaid AS. Mucinous cystadenoma of the ovary in a 12-year-old girl. Saudi Med J 2008;29(1):126-128. [PubMed] [Google Scholar]