

# A case of big omental cyst mimicking like malignant ovarian tumor

**Keywords:** omental, malignant, cyst, mimicking, uterus, ovaries, months, periods, menstrual, tumor

## Introduction

30 year old female diagnosed a case of ovarian tumor on USG and CT scan and raised CA 125 (600). But on laparotomy there was a big omental cyst. Uterus and ovaries were normal. Omental cyst is very rare but sometime it confused with Ovarian Tumor.<sup>1-3</sup>

## Case detail

30 year old with only one child presented with complain of swelling in abdomen for two months which was gradually increasing in size. She was also complaining of pain abdomen and nausea. There is no loss of weight. Her menstrual periods were regular. On examination there was mild pallor her pulse rare was 90/minute. Her BP was 120/88mm of Hg. There was no lymphadenopathy mild pedal edema was present. On per abdominal examination there was a cystic lump in lower abdomen expanding up to umbilicus. On per speculum examination cervix was normal. On per vaginal examination uterus could not be felt separately from mass. No tenderness. On Ultrasound

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there was a large ovarian mass. CT scan was also done which was also showing large ovarian mass (Figure 1) (Figure 2). There was no ascites and no lymphadenopathy. Patient was planned for total abdominal hysterectomy and bilateral salpingoophrectomy. But patient was willing for preservation of her fertility because she wanted one more child.<sup>4</sup>

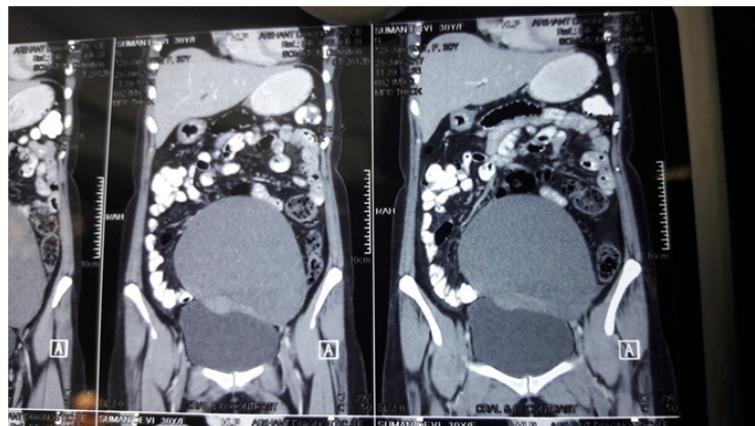


Figure 1 CT scan.

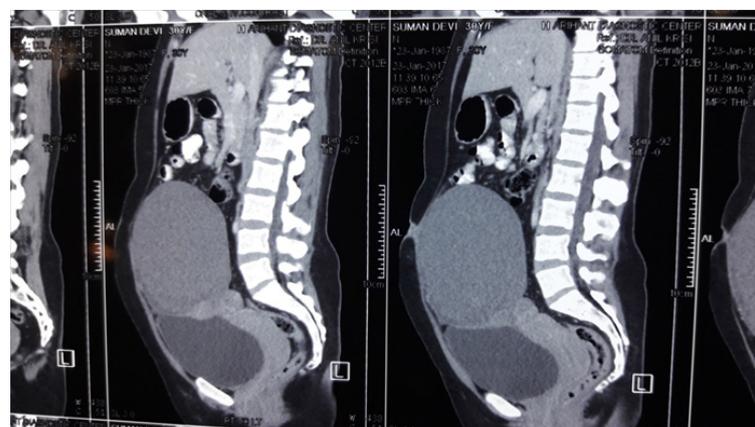


Figure 2 Showing ovarian tumor.

On doing laparotomy the mass was not arising from ovary. Uterus and both ovaries were normal. The cystic mass was arising from omentum (Figure 3).<sup>5,6</sup> So simple removal of omental cyst was done and omental biopsy taken. Postoperative period was uneventful.



**Figure 3** Showing omental cyst, omentum, and ovarian biopsy.

## Discussion

Benign omental cyst is very uncommon. They can arise from greater or lesser omentum. They can be single or multiple. They contain serous or hemorrhagic or infected fluid. The cause of omental cyst is trauma, failure of lymphatic to join the venous system etc. But if it is big and present in pelvic region it can easily be mimic as ovarian tumor. Sometime it became good for the patient when we open it as malignant ovarian tumor and it come out to benign omental cyst.

## Conclusion

The main aim of publishing this case report is that omental cyst can be one do the differential diagnosis of ovarian tumor.

## Acknowledgments

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## Conflicts of interest

The author declares there are no conflicts of interest.

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