

Mucinous Cystadenoma in Pregnancy: A Case Report of Successful Surgical Management

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Introduction

Benign mucinous cystadenomas → 80% of all mucinous ovarian neoplasms. ^[1]

Often unilateral, multilocular, and may reach considerable sizes. ^[1,2]

Presenting complains: pelvic pain, bloating, or abdominal discomfort. ^[1,2]

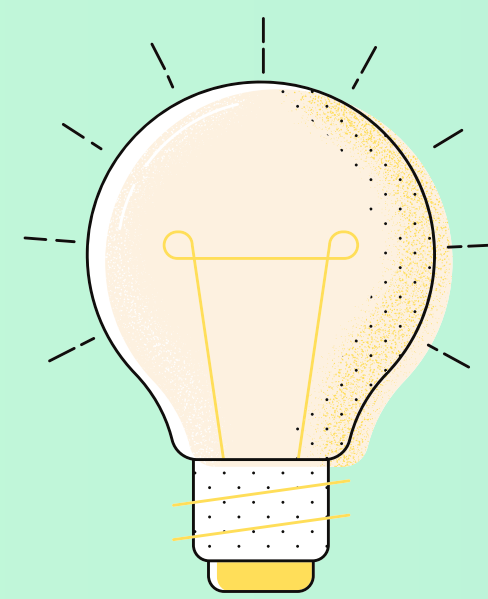
Detection more common in pregnancy due to routine ultrasonography. ^[3]

Management: consideration of the tumor's size, symptoms, and complications such as torsion or rupture. ^[2,3]

Surgery → symptomatic cases or those posing obstetric risks. ^[2,3]

Objective

To highlight the diagnostic challenges and surgical management of a massive mucinous cystadenoma during pregnancy, emphasizing the importance of timely intervention to prevent maternal and fetal complications while ensuring optimal pregnancy outcomes.



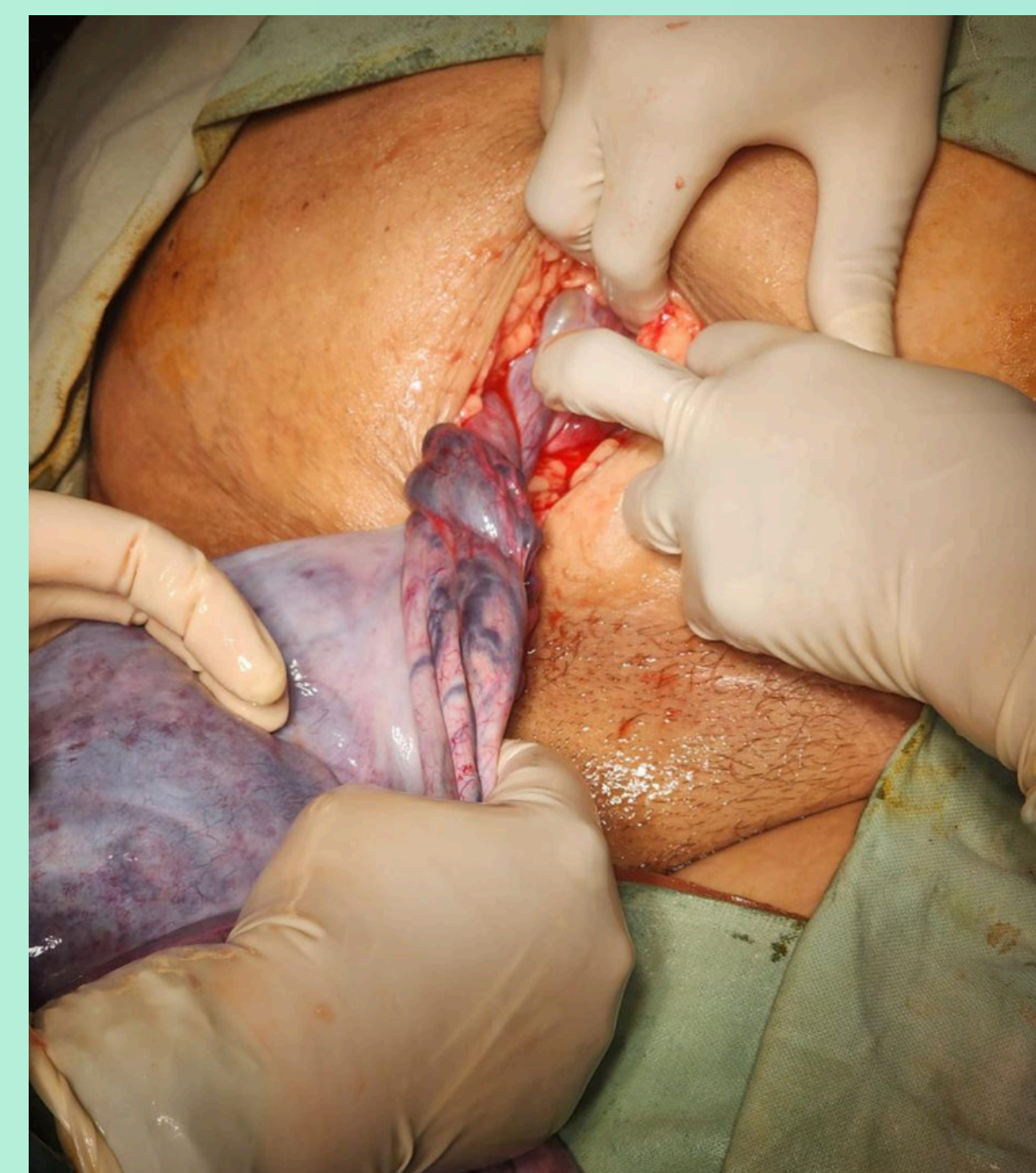
Case Presentation

- 28-year-old woman
- 27 + 3 weeks (G7 P4+2 L4)
- Polyhydramnios
- Large abdominal mass
- Ultrasound: massive multiloculated right ovarian cyst (7000 mL)



Management

- Laparotomy at 28 weeks of gestation
- Torsioned right ovarian cyst with areas of necrosis
- Right salpingo-oophorectomy. Left tube ligated



Fluid for cytology: mucinous cystadenoma
Uneventful pregnancy → Spontaneous vaginal delivery



Mucinous Cystadenoma with a smooth surface, swollen blood vessels and areas of necrosis



Discussion

- Mucinous cystadenomas can grow significantly → pose risks such as preterm labor, miscarriage, adnexal torsion, and labor dystocia. [3,4,5]
- Adnexal torsion (in this case) is a surgical emergency. [3,5]
- Ultrasound: first-line diagnostic tool. MRI: evaluation of malignancy. [2,3]
- Surgery during pregnancy carries risks; elective surgical management minimizes complications. [2,3,5]

Conclusion

This case underscores the importance of individualized management for large ovarian masses in pregnancy. Timely surgical intervention ensured maternal and fetal safety, highlighting the need for multidisciplinary planning in similar scenarios.

References

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