



A Rare Case of Second Trimester Ruptured Bicornuate Uterus In A Multiparous: A Case Report

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Introduction

- Congenital uterine anomalies like bicornuate uterus have various obstetric outcomes such as malpresentation, preterm labour, mid-trimester miscarriages, and rarely uterine rupture in early pregnancy.
- Bicornuate uterus accounts for 25% of uterine anomalies.
- The incidence of uterine rupture in women with a bicornuate uterus is not well-documented.
- Uterine rupture is an obstetric emergency that leads to major haemorrhage and can cause mortality.

Case Presentation

- 32-year-old, Gravida 4 Para 3, unaware of pregnancy due to use of Jadelle, presented with severe abdominal pain with no vaginal bleeding.
- Her last delivery via caesarian section for malpresentation.
- She was semiconscious with distended abdomen
- Initial ultrasound suggested abdominal pregnancy at 16 weeks 6days.
- Emergency laparotomy: massive hemoperitoneum (~4.5L), ruptured right horn of a bicornuate uterus, a non-viable fetus weighing 400g in abdominal cavity and a transverse lower uterine scar was seen on the left horn of the uterus.
- Surgical management: excision of ruptured right horn.
- Post-op ICU care and uneventful recovery.

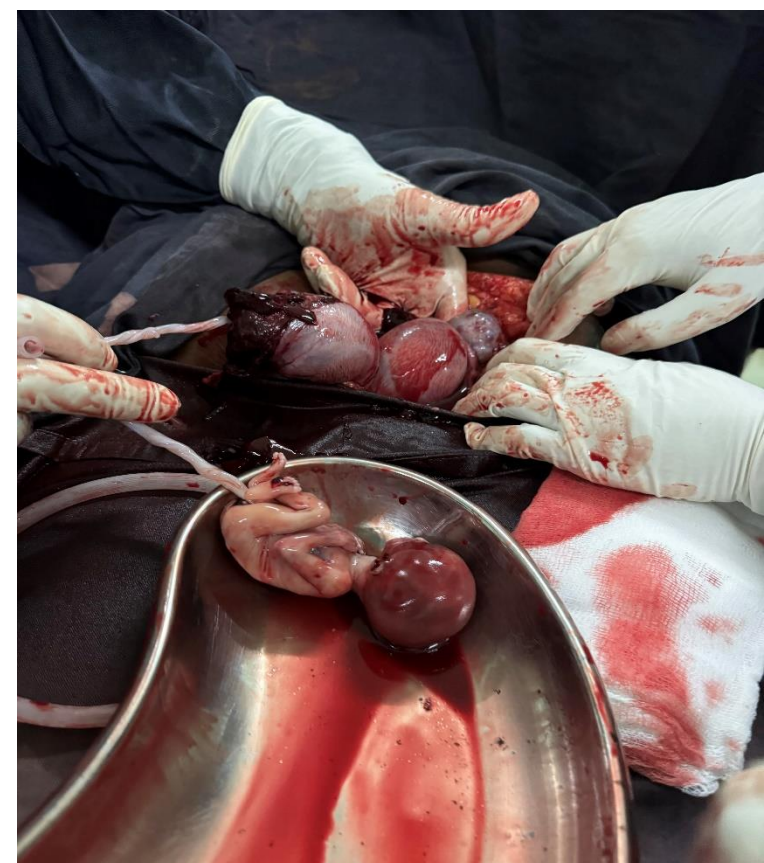


Figure 1: Two horns of bicornuate uterus



Figure 2: Ruptured right horn of bicornuate uterus with freshly dead fetus



Figure 4: Baseball suturing technique for haemostasias

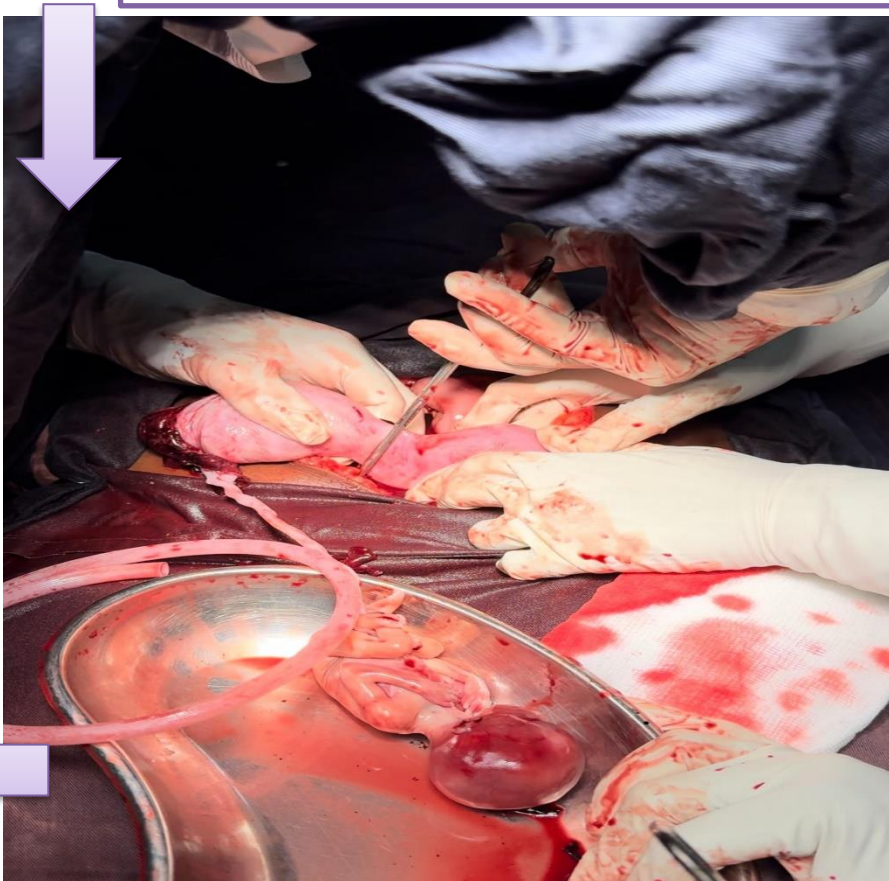


Figure 3:Excision of the ruptured right horn was performed at its junction.

Discussion

- In most cases, women with bicornuate uterus are asymptomatic.
- Diagnosis missed in previous surgery, right horn reported as fibroid.
- Diagnostic challenge: Mimics ectopic pregnancy, especially with irregular menses and no prior anomaly detection.
- One horn may remain underdeveloped and prone to rupture.
- Early ultrasound & 3D imaging crucial but often unavailable in low-resource settings.

Conclusion

- Bicornuate uterus should be considered in early pregnancy ruptures.
- Early 1st trimester ultrasound can identify uterine anomalies.
- Counseling and appropriate family planning critical post-management.

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