A case of bladder diverticulum simulating ovarian cyst during pregnancy

Anjali Rani*, M. Matah

INTRODUCTION
Diverticulum of bladder is herniation of mucosa and submucosa from bladder muscular wall. Normally they are asymptomatic. They can be congenital or acquired. They are caused by weakening the bladder muscular fibres. They usually occur in males. Congenital bladder diverticulum is sometime associated with congenital connective tissue disorder. Acquired diverticula are usually multiple and associated with bladder outlet obstruction. Sometimes they can mimic an ovarian cyst. In our case patient presented with lump in abdomen and acute pain abdomen and USG was showing ovarian cyst. But on laparotomy it was a giant bladder diverticulum.

CASE REPORT
33 year old female G3P2+0 at 32 weeks of gestation was admitted in labour room with the complain of pain abdomen and difficulty in passing urine. On examination vitals were stable. Abdominal examination there was cystic swelling in suprapubic region extending up to umbilical region. Uterus was 32 week size. Report of USG from peripheral centre showed ovarian cyst. We made a provisional diagnosis of twisted ovarian cyst. Exploratory laparotomy was done there was no ovarian cyst and bladder diverticulum was present. Urologist called and first he aspirated fluid and it was urine. Then while separating the swelling from uterus bladder opened and resected the diverticulum. Bladder was sutured. Abdomen was closed. Patient went into preterm labour and delivered vaginally single live female of 2.1 kg weight. Postoperative period was uneventful. Patient was lost in follow up.

Keywords: Bladder diverticulum, Pregnancy, Ovarian cyst

ABSTRACT
33 year old female G3P2+0 at 32 weeks of gestation was admitted in labour room with the complain of pain abdomen and difficulty in passing urine. On examination vitals were stable. Abdominal examination there was cystic swelling in suprapubic region extending up to umbilical region. Uterus was 32 week size. Report of USG from peripheral centre showed ovarian cyst. We made a provisional diagnosis of twisted ovarian cyst. Exploratory laparotomy was done there was no ovarian cyst and bladder diverticulum was present. Urologist called and first he aspirated fluid and it was urine. Then while separating the swelling from uterus bladder opened and resected the diverticulum. Bladder was sutured. Abdomen was closed. Patient went into preterm labour and delivered vaginally single live female of 2.1 kg weight. Postoperative period was uneventful. Patient was lost in follow up.

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and delivered a female baby at 33 weeks and weighing 2.1 kg. In follow up both mother and baby were fine.

DISCUSSION

In this case report pregnant patient with pain abdomen with ovarian cyst in ultrasound made us to do laparotomy. We should have done a repeat USG and differential diagnosis of bladder diverticulum should be kept in mind. We were misled because after catheterization no urine came and the size of cystic swelling did not decreased. So we thought it can be a twisted ovarian cyst. This has led to futile laparotomy.

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REFERENCES


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