Postpartum tubo-ovarian abscess, likely arising from pelvic inflammatory disease during pregnancy

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DESCRIPTION

A female aged 18 years presented 2 weeks postnormal vaginal delivery with worsening generalised abdominal pain radiating to the back since delivery, with associated night sweats. She was vomiting, had loose bowel motions and had difficulty passing urine, but denied dysuria. On examination, she was febrile, tachypnoeic and tachycardic, and had a pale complexion. Her abdomen was distended with maximal tenderness in the left illiac fossa and associated rebound and percussion tenderness. She was unable to pass urine in the emergency department. Blood tests demonstrated a raised white cell count,

She had a CT abdomen which showed a large pelvic abscess (figure 1 and figure 2) with internal septations posterior to the uterus (figure 3) and

On examination of her obstetric ultrasounds, it became clear that she had increasing amounts of



Figure 2 A transverse view of the large complex pelvic

cystic lesion.

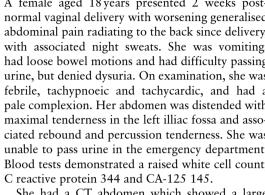
Figure 3 A large cystic lesion within the pelvis anterior to the uterus with internal septations measuring 13x22 cm in axial and 24 cm craniocaudally. A second complex cystic lesion with internal septation posterior to the uterus measuring 10×10 cm in axial and 12 cm craniocaudally.

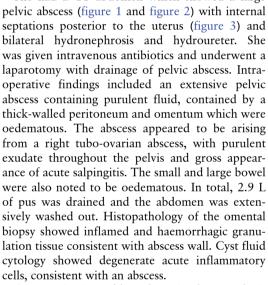
Figure 1 A horizontal view of the large complex pelvic cystic lesion.

was of rare pelvic inflammatory disease in pregnancy, which developed into right tubo-ovarian abscess with acute salpingitis post partum. She recovered well postoperatively and was discharged home on oral antibiotics with uneventful follow-up.

Douglas at the 19-week ultrasound. The impression







free fluid in the pelvis with 98 mL in the Pouch of



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Learning points

- ► Pelvic inflammatory disease (PID) in pregnancy is rare, ^{1 2} and the triad of fever, leukocytosis and diarrhoea can indicate formation of tubo-ovarian abscess in a patient with PID.²
- ► Increased C reactive protein and CA-125 levels are independent factors predictive of tubo-ovarian abscess in acute PID.³
- ► Large tubo-ovarian abscesses can cause sepsis and hydronephrosis with urinary retention.

Contributors RA formulated the concept of this article. RA and TM cared for this patient during her admission and follow-up. RA researched this topic and wrote this case report, and TM edited this article.

Competing interests None declared.

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