LEARNING OBJECTIVES
At the end of this CBL, student should be able to:

- Describe the anatomy of pouch of Douglas with its relations.
- Recognize the mechanism of fluid collection in pouch of Douglas
- Discuss the different types of fluid collected in pouch of Douglas.
- Relate the clinical picture with the presentation of such clinical condition.
- Appreciate the importance of collection of fluid in pouch of Douglas

CASE;
A 23 years old woman, who had undergone D&E 3 days ago by Dai for an incomplete miscarriage, complains of continuous vaginal bleeding, lower abdominal cramping, fever and chills. Her blood pressure is 90 / 40, heart rate 120 beats / min and temperature 102F. Chest is clear. Abdomen is distended and there is severe lower abdominal tenderness, rigidity and guarding. Gut sounds are absent. The cervical os is open with foul smelling vaginal discharge. Uterine and adnexal tenderness is present. Laboratory studies are significant for leukocytosis and a normal urinanalysis.

EXAMINATION
- Temperature; 102F
- Pulse; 140
- Blood pressure; 90 / 40
- Abdomen, rigid, tender, distended. Bowel sounds are absent
- Speculum examination; small amount of blood mixed with foul smelling vaginal discharge.
- Bimanual examination; vulva / vagina is hot, uterine and adnexal tenderness, cervical os is open.

INVESTIGATIONS
- Complete blood count with differential, WBC raised
- Urinanalysis; normal
- Liver function test; normal
- Renal function test; normal
- Electrolyte, normal
- Coagulation profile; disturbed
- High vaginal swab for culture and sensitivity;
- Chest X ray; normal
X-ray of abdomen in erect posture; shows multiple air fluid level
Ultrasound pelvis for RPOCs and perforation, shows retained product of conception and fluid collection in pouch of Douglas.

Q1. Why is the patient having a blood pressure of 90/40?

Q2. Why is there collection of fluid in the pouch of Douglas in this patient?

Q3. What is pouch of Douglas?

Q4. What is the other name used for pouch of Douglas?

Q5. What are the other reasons for the collection of fluid in pouch of Douglas?