

ECTOPIC PREGNANCY

Acute abdomen

DIFFERENTIAL DIAGNOSIS

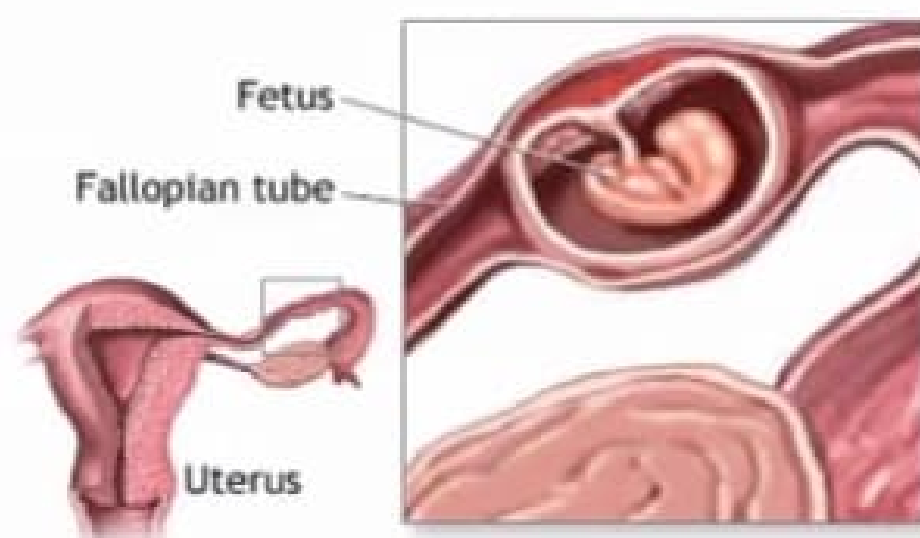
- Ectopic pregnancy
- Threatened or incomplete abortion
- Bleeding corpus luteal cyst
- Pelvic inflammatory disease
- Appendicitis
- Torsion of an ovarian cyst
- Any other cause of intra abdominal haemorrhage

Ectopic pregnancy

DEFINITION

- An ectopic pregnancy is defined as a pregnancy where implantation occurs in a site other than uterine cavity.
- Commonest site –fallopian tube

Ectopic pregnancy



SITE OF ECTOPIC

- **FALLOPIAN TUBE 95%**

1. AMPULLA 80 %
2. ISTHMUS 12%
3. INFUNDIBULUM
4. INTERSTITIAL
5. CORNUAL

- **EXTRA TUBAL**

1. CORNUAL
2. INTRALIGMENTOUS
3. ABDOMINAL
4. OVARIAN
5. CERVICAL

AETIOLOGY

- Pelvic inflammatory disease
- Congenital factors
- Salpingitis isthmica nodosa
- Previous surgery on the tube
- Assisted reproductive technique
- IUCD
- Previous ectopic-after one ectopic ,12% risk for repeat Ectopic &28% after two ectopics

- Marked increase in the incidence of ectopic pregnancy

1. Prevalence of STD
2. Increase in popularity of ART
3. Tubal recanalisation procedures
4. Increase use of TVS and β HCG

NATURAL HISTORY

- Tubal absorption (very early cases)
- Tubal abortion
- Tubal rupture
- Pelvic haematoma or chronic ectopic
- Secondary Abdominal pregnancy
- Secondary intraligamentous pregnancy

PATHOLOGY

- **Changes in the uterus**
 1. Myohyperplasia and hypertrophy
 2. Endometrium-arias stella phenomenon
 3. Absence of chorionic villi in endometrial curettings
 4. Desidual casts may be passed
- **Changes in tube**-presence of chorionic villi in the tube

CLINICAL FEATURES

Clinical triad

1. Amenorrhea
2. Irregular vaginal bleeding
3. Abdominal pain
4. Shoulder pain, fainting attacks

DIAGNOSIS OF RUPTURED ECTOPIC

1. Shock with pallor
2. Tachycardia
3. Hypotension
4. Cold clammy extremities

- **P/A**- tenderness,
rigidity, guarding,
shifting dullness
CULLENS SIGN
- **P/V**-bulky uterus, uterine tenderness
forniceal tenderness,
fullness in pouch
- **CULDOCENTESIS**
- **USG** → Haemoperitoneum

DIAGNOSIS OF UNRUPTURED ECTOPIC

- Transvaginal scan
- Serum B hcg
- Curettage
- Laparoscopy