

EARLY PREGNANCY

EMERGENCY PRESENTATIONS

| | ECTOPIC PREGNANCY | Ovarian mass/Torsion | Acute PID | | | | | | | | | | | | | | | |
|----------------|---|--|---|---------|---------|------------|---|---|--|-------------|---------------------|--|---|----------------|---|--|--|---|
| Define | <ul style="list-style-type: none"> Embryo attaches outside uterus usu. in fallopian tube (cornual region) -<i>also</i> cervix, ovary or abdomen 1-2% of pregnancies (1 in 100) | Partial/ complete twisting of ovary and fallopian tube around supporting ligaments | Ascending infection of upper female genital tract <i>Usu. chlamydia trachomatis or Neisseria gonorrhoea</i> | | | | | | | | | | | | | | | |
| RF | <p>Anatomical</p> <ul style="list-style-type: none"> hx of ectopic, hx of endometriosis, hx of PID (tubal scarring) <p>Non-anatomical</p> <ul style="list-style-type: none"> Smoking, Advanced age, IUD (coils) IVF | <ul style="list-style-type: none"> Anatomical = ovarian enlargement (cysts/tumours), long ovarian ligament's or laxity of pelvic ligaments Non-anatomical = mirena IUD (++ cysts), adolescents, obesity, pregnancy and IVF | <ul style="list-style-type: none"> Multiple sexual partners Unprotected sex Hx of STI or adnexitis IUDs (copper, mirena) | | | | | | | | | | | | | | | |
| Sx | <ul style="list-style-type: none"> Amenorrhoea 4-6 wks LMP Recent UPSI <p>Non-rupture =</p> <ul style="list-style-type: none"> crampy lower abdo or pelvic pain, pregnancy signs (nausea, tender breasts) cervical motion tenderness vaginal bleeding (Usu. less bleeding than last period (DO NOT DISMISS!!)) <p>Ruptured</p> <ul style="list-style-type: none"> severe sudden onset abdo pain, Dizziness / syncope / hypoTN, tachycardia (hypovol) Shoulder tip pain (peritonitis) | <ul style="list-style-type: none"> SUDDEN onset unilateral abdo-pelvic pain Crescendo-decrescendo pain Nausea and vomiting Vitals (stress response) = ↑HR, HTN Pain on palpation (localised/diffuse – depends on size of cysts) ?palpable adnexal mass (i.e. growth around uterus) NO PAIN = ischaemia of affected ovary and compromised blood supply | <ul style="list-style-type: none"> Bilateral lower abdo pain (may have concurrent appendicitis) Fever N/V Dysuria, dyspareunia PV or cervical discharge (abnormal in smell/colour) <p>Exam:</p> <ul style="list-style-type: none"> Vitals (HTN, tachycardia, tachypnoea, febrile) Adnexal tenderness on palpation Vag exam → cervical discharge | | | | | | | | | | | | | | | |
| DDx | <ul style="list-style-type: none"> Pregnancy of unknown location (+B-HCG but no sign of pregnancy on TVUS) Ovarian torsion PID Appendicitis/diverticulitis | • | • | | | | | | | | | | | | | | | |
| Ix | <ul style="list-style-type: none"> Serum B-HCG (> 1000-1500) - pregnancy of unknown location <ul style="list-style-type: none"> Serial B-HCG every 48 hrs Rise > 63% = intra-uterine pregnancy Rise < 63% or static over 2 days = ectopic or pregnant Fall > 50% = miscarriage FBC (anaemia) + Group + X-match EUC, LFT COAGs (if suspected coagulopathy) TVUS (best) <ul style="list-style-type: none"> free fluid in POD or uterine cavity empty uterus gestational sac with yolk sac or fetal pole in fallopian tube ("blob sign" or "bagel sign") | <ul style="list-style-type: none"> FBC (+WBC) ++ CRP Serum B-HCG (exclude pregnancy) <p>TVUS + doppler</p> <ul style="list-style-type: none"> Reduced blood flow ≥ 6cm – highest risk of torsion Thickened fallopian tube <p>DDx: appendicitis, ruptured ectopic, renal colic</p> | <ul style="list-style-type: none"> FBC (+WBC) ++ ESR Urine and serum B-HCG TVUS (free fluid, abscess, pyo/hydrosalpinx) GU swabs (endocervical, high vaginal, urethral) → C+G PCR Endometrial biopsy → ?endometritis Exploratory laparoscopy → ambiguous cases | | | | | | | | | | | | | | | |
| Comp. | <ul style="list-style-type: none"> Infertility Death – hypovol. Shock / sepsis Cervical shock = HypoTN and bradycardia (due to vagal stimulation) | <ul style="list-style-type: none"> Compress ovarian vein + lymphatics → reduced venous outflow Oedema → ischaemia → necrosis | <ul style="list-style-type: none"> Infertility (tubal scarring and adhesion) → O+G referral Ectopic pregnancy Peritonitis, perihepatitis Chronic pelvic pain | | | | | | | | | | | | | | | |
| Mx | <p>Unstable</p> <ol style="list-style-type: none"> Help – O+G consult ABCD – vasopressors / inotropes IVF TVUS = identify location of free fluid Surgery – laparotomy/laparoscopy/ salpingectomy <p>Stable</p> <table border="1"> <thead> <tr> <th></th> <th>Expectant</th> <th>Medical</th> <th>Surgery</th> </tr> </thead> <tbody> <tr> <td>Ind</td> <td>Unruptured ectopic <ul style="list-style-type: none"> if HCG < 1500 mass < 3.5cm no FHB or pain </td> <td>Unruptured ectopic <ol style="list-style-type: none"> if HCG < 5000 mass < 3.5cm no FHB or pain </td> <td> Haem unstable <ul style="list-style-type: none"> if HCG > 5000 mass > 3.5cm Visible HB or pain </td> </tr> <tr> <td>How?</td> <td>Natural termination</td> <td> IM MTX 50mg/kg – dissolve POC <ol style="list-style-type: none"> Cl: allergy, interstitial ectopic, HIV/BBV A/E N/V, PV bleed, conjunctivitis </td> <td> NBM + IVF maintenance +/- Vasopressor <ul style="list-style-type: none"> Laparoscopic 1. salpingectomy 2. Salpingotomy </td> </tr> <tr> <td>Post-Mx</td> <td>Follow up in EPAS <ul style="list-style-type: none"> Analgesia Bereavement/ Counselling Plans for future </td> <td>Follow up in EPAS <ol style="list-style-type: none"> Repeat HCG on Day 4, 7 post dose (15% expected) Contraception for 3/12 post MTX – prevent teratogen </td> <td> Follow up in EPAS <ul style="list-style-type: none"> Anti-D in Rh -ve women salpingostomy – risk of persistent trophoblastic disease counsel pain + grief </td> </tr> </tbody> </table> | | Expectant | Medical | Surgery | Ind | Unruptured ectopic <ul style="list-style-type: none"> if HCG < 1500 mass < 3.5cm no FHB or pain | Unruptured ectopic <ol style="list-style-type: none"> if HCG < 5000 mass < 3.5cm no FHB or pain | Haem unstable <ul style="list-style-type: none"> if HCG > 5000 mass > 3.5cm Visible HB or pain | How? | Natural termination | IM MTX 50mg/kg – dissolve POC <ol style="list-style-type: none"> Cl: allergy, interstitial ectopic, HIV/BBV A/E N/V, PV bleed, conjunctivitis | NBM + IVF maintenance +/- Vasopressor <ul style="list-style-type: none"> Laparoscopic 1. salpingectomy 2. Salpingotomy | Post-Mx | Follow up in EPAS <ul style="list-style-type: none"> Analgesia Bereavement/ Counselling Plans for future | Follow up in EPAS <ol style="list-style-type: none"> Repeat HCG on Day 4, 7 post dose (15% expected) Contraception for 3/12 post MTX – prevent teratogen | Follow up in EPAS <ul style="list-style-type: none"> Anti-D in Rh -ve women salpingostomy – risk of persistent trophoblastic disease counsel pain + grief | <p>Unstable</p> <ul style="list-style-type: none"> DRS ABCD: <ul style="list-style-type: none"> Broad spectrum IV abx (cephalosporin + adjuncts) Analgesia <p>Stable = Mild-mod</p> <ul style="list-style-type: none"> outpt monitoring <p>Stable = Severe</p> <ul style="list-style-type: none"> surgery (NBM, anaesthetics, bowel prep) Previous meds (e.g. anti-coags, anti-DM, thyroid meds, COCP, anti-HTN) <p>FOLLOW-UP</p> <ul style="list-style-type: none"> Contact tracing of sexual partners (once swab results return) <ul style="list-style-type: none"> 2/12 if gonorrhoea 6/12 if chlamydia |
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MISCELLANEOUS

Criteria For Miscarriage (< 20wks GA or <500g birth wt)

- Early miscarriage = < 12 weeks of GA
- Late miscarriage = >12 weeks of GA
- Recurrent m/c = ≥3x consecutive miscarriages

CAUSE:

- **Maternal** (advanced age, extremes wt, previous substance abuse, TORCH)
- **Foetal** (aneuploidies, congenital abnormalities)

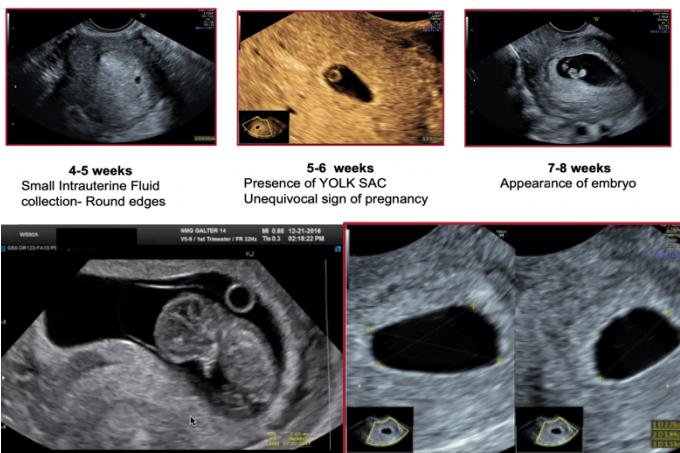
SIZE BASED CRITERIA [mainly]

- 1) Crown Rump Length (CRL) **>7mm without Cardiac Activity**
- 2) Discriminatory Mean Sac Diameter **>25mm + NO visible embryo**

Time-based criteria:

- 1) Absence of Embryo with heart beat >14 days after a scan that showed Gestational Sac **WITHOUT** yolk sac
- 2) Absence of Embryo with heart beat >11 days after a scan that showed Gestational Sac **WITH** yolk sac

Sequence of Events in early pregnancy



| | Threatened M/C | Inevitable M/C | Missed M/C (early fetal demise) | Blighted ovum (anembryonic gestation) | Incomplete M/C | Complete M/C |
|-----------------|--|--|---|---|---|---|
| Cause | <20 wks vaginal bleeding w/ open cervix | | Biochemical loss (loss after +ve B-HCG but before USS) Clinical loss (loss confirmed on dating USS) | <ul style="list-style-type: none"> Gestational sac with no embryo Complex aneuploidy | <ul style="list-style-type: none"> Incomplete expulsion of POC Higher risk of infection | <ul style="list-style-type: none"> No conception products in uterine cavity No PAIN |
| PV bleed | Yes | Yes - POC seen | No | No | Yes | Yes |
| FHR | YES | No | No | No | No | No |
| VE | Closed os | Open OS | Closed os | Closed os | Open OS | Closed os |
| TVUS | <ul style="list-style-type: none"> Ongoing pregnancy on USS (> 6 wks = FHB) B-HCG > ++ 1000 Foetus may still be viable Intrauterine gestational sac seen Subchorionic hemorrhage (between chorion and endometrium) → large causes M/C FOETUS MAY BE ALIVE  | <ul style="list-style-type: none"> Gestational sac and fetus seen low on endometrial cavity of cervical canal  | <ul style="list-style-type: none"> Fetus no longer alive NO FHB or symptoms May progress to complete M/C  | <ul style="list-style-type: none"> +ve B-HCG Elliptical Intrauterine gestation sac >25mm with no embryo (can see trophoblastic enhancement)  | <ul style="list-style-type: none"> NO FHB on USS Mean gestational sac > 25mm without fetal pole Medical Mx (MISO) or surgical Mx  | <ul style="list-style-type: none"> NO FHB on USS |

Management of confirmed M/C + ectopic

| | Expectant | Medical (<14 FA) | Surgical (≈ 12/40 GA) |
|---------------|--|--|--|
| Ind | <ul style="list-style-type: none"> ➢ Foetal pole < 30cm + Serum B-HCG < 200 + no FHB ➢ Threatened M/C or PUL ➢ Stable Patients <6 wks GA | <ul style="list-style-type: none"> ➢ Adnexal mass < 35mm ➢ Serum B-HCG < 1500 + no FHB ➢ Haem stable (no pain) | <ul style="list-style-type: none"> ➢ Foetal pole length > 35mm ➢ No hx of fertility ➢ FHB present |
| To do | <ul style="list-style-type: none"> ➢ Natural process (no meds or surgery) ➢ Watch and wait ➢ EPAS FU in 2 weeks ➢ Explain that is not lady's fault ➢ Discuss other Mx options - Advice pt pregnancy is ongoing <ul style="list-style-type: none"> o If threatened → May proceed normally w/ routine AN care, Avoid sex | <ul style="list-style-type: none"> ➢ 200mg mifepristone RU486 = 90% (anti-PG to decrease placental adhesion) ➢ 800µg Misoprostol = 70% (PGE analogue) (PO if GA < 7 wks or PV if GA > 7 wks) → stimulate uterine contractions and cervical dilatation within 4-24 hrs ➢ A/E = Shivers, febrile, hypoTN ➢ Managed in outpatients | <p>Suction + cuterrage (7-14 weeks)</p> <ul style="list-style-type: none"> ➢ GA → plastic catheter sucker removes POC as bones NOT developed ➢ MISO prior to surgery? <p>Dilatation and cuterrage (> 14 weeks)</p> <ul style="list-style-type: none"> ➢ Cervix dilated + intracardiac injection (remove POC w/ forceps) |
| Adv. | <ul style="list-style-type: none"> ➢ No A/E of SURG/med Mx ➢ Best for Incomplete M/C ➢ 50% self-resolve - may be asymptomatic w/ minimal free fluid (esp. if PUL) | <ul style="list-style-type: none"> ➢ No need surgery ➢ 85% success ➢ EPAS FU → USS 2-3 wks after success Rx | <ul style="list-style-type: none"> ➢ Low failure rate (< 5%) ➢ Can send POC for karyotyping and histopathology |
| Disadv | <ul style="list-style-type: none"> ➢ 25% failure rate ➢ Unpredictable time frame ➢ Heavier bleeding (1-2 wks) ➢ + more crampy pain → must be reported!! ➢ More likely infection if lag time > 6 weeks ➢ Need close access to EPAS esp. <10/40 GA <ul style="list-style-type: none"> o Serial USS scans (until HCG < 20) o Repeat urine B-HCG 3 wks after symptoms settle to confirm complete M/C o Anti-D if Rh -ve | <p>A/E</p> <ul style="list-style-type: none"> ➢ Pain, N/V/D + contraindicated if IUD present ➢ Heavier bleeds → falls risk ➢ Bleeding Pain Mx = heavy and painful periods ➢ Ibuprofen 600mg Q6H ➢ If no bleeding within 24 hrs → reattend and follow up at EPAS <p>Order of delivery</p> <ul style="list-style-type: none"> ➢ 200mg mife (taken when convenient) ➢ 800µg miso (24 hrs after mife) | <ul style="list-style-type: none"> ➢ Infection - may need prophylactic ABx ➢ Uterine perforation ➢ Cervix damage or endometritis ➢ Bleeding ➢ Asherman's syndrome (XS curetting) (scar tissue build up in uterus) → abnormal periods → high dose COCP/IUD to shed basal layers where scar tissue forms Rx) |

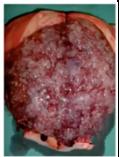
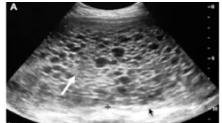
General Mx post M/C

1. **Anti-D** (for any Rh -ve women with positive HCG and vaginal bleeding) → 250IU in first trimester, 625 IU thereafter [prevent haemolytic disease of newborn]
2. **Serial B-HCG** - Confirm discontinuation of pregnancy
3. **Psych support** → address guilt/shame in women/partner experienced after loss → refer to EPAS + resources (pink elephants, SANDS)
4. **Counsel at EPAS** → when to start again? (e.g. after 4-6 weeks once periods resume)
5. **Future pregnancies** → previous M/C does not affect risk of future, check for chromosomal abnormalities
6. **Pre-pregnancy OCP/LARC advice + multivitamin** (e.g. elevit, folic acid, iodine, Vit D, Ca)
7. **Beware of complications** = haemorrhage, cervical shock, endometritis, septic abortion, POC

Reduce risk of recurrent M/C by:

- No smoking
- No substance abuse (EtOH)
- Healthy balanced diet
- Avoid infections e.g. rubella)
- Avoid certain foods (e.g. soft cheese, cured or undercooked meats)
- Healthy BMI

EARLY PREGNANCY PRESENTATIONS

| | RECURRENT MISCARRIAGE | HYPEREMESIS GRAVIDARUM | MOLAR PREGNANCY (1 IN 700) | | | | | | | | | | | | | | | | | | |
|---|--|---|---|----------------|------------------------|---------------|---------------|-----------------------|---|---------------------|---------------|---------------|---------------|------------------------|---|-------------|---------------|---------------|---------------|---------------------|--|
| Define | <ul style="list-style-type: none"> 3 or more consecutive miscarriages 10% if women 20-30 yo 50% in women 40-45 yo <p>CAUSE:</p> <ul style="list-style-type: none"> Maternal (advanced age, extremes wt, previous substance abuse, TORCH infection) Foetal (aneuploidies, congenital abnormalities) | <ul style="list-style-type: none"> Nausea and vomiting normal during 1st trimester esp. 10-12 weeks GA <ul style="list-style-type: none"> Assoc. w/ levels of B-HCG Hyperemesis Gravidarum = protracted nausea and persistent vomiting during pregnancy | <p>Gestational trophoblastic disease</p> <p>Hydatidiform mole = tumour that mimics pregnancy growing within uterus</p> <ul style="list-style-type: none"> Complete mole (46XX) = 2x sperm fertilise egg (inactivated chromosome) Partial mole (69XXY) = Haploid egg fertilized by unreduced diploid sperm | | | | | | | | | | | | | | | | | | |
| Sx | <p>Miscarriage Sx</p> <ul style="list-style-type: none"> +/- Pelvic pain (crampy) PV bleed – spotting, clots, POC (SHEDDING DECIDUA) PV discharge PREGNANCY Sx = Reduced nausea, breast tenderness <p>Exam</p> <ul style="list-style-type: none"> Open /closed cervical os Cervical motion tenderness | <p>Persistent vomiting and nausea PLUS:</p> <ul style="list-style-type: none"> Dehydration More than 5% wt loss related to pre-pregnancy weight Electrolyte imbalance Ketosis | <ul style="list-style-type: none"> Bilateral lower abdo pain SEVERE morning sickness Enlarged Uterine size > than dates PV bleeding (menorrhagia) Thyrotoxicosis Sx (heat intol, palp, sweat) <p>Exam:</p> <ul style="list-style-type: none"> Vitals (HTN, tachycardia) Adnexal tenderness on palpation | | | | | | | | | | | | | | | | | | |
| DDx | <ul style="list-style-type: none"> Idiopathic APS Hereditary thrombophilia Uterine abnormalities Genetics (e.g. balanced translocations) Chronic histiocytic intervillousitis Chronic disease (T2DM, thyroid, cushing, SLE) | <ul style="list-style-type: none"> Twins / multi-pregnancies Molar pregnancy Food poisoning | <ul style="list-style-type: none"> true pregnancy  | | | | | | | | | | | | | | | | | | |
| Ix | <p>Investigations should begin after:</p> <ul style="list-style-type: none"> 3 or more 1st trimester M/C 1 or more 2nd trimester M/C <p>Tests:</p> <ul style="list-style-type: none"> APS screen (Anti-cardiolipin, B2GP1, lupus anti-coagulant) Thrombophilia screen (Protein C/S def, Factor V leiden, prothrombin gene mutation) Pelvic USS – uterine abnormalities <ul style="list-style-type: none"> UTERINE SEPTUM Uni vs bicornuate uterus Cervical insufficiency Fibroids Genetic test on: <ul style="list-style-type: none"> Parents Products of conception | <p>Vitals and BMI</p> <ul style="list-style-type: none"> FBC (high HCT = dehydrated) EUC = low Na, low K UA – ketosis USS = exclude molar and multi-gestation <p>Severity assessed using Pregnancy-Unique Quantification of Emesis (PUQE) score.</p> <p>Total score is sum of replies to each of the three questions. PUQE-24 score: Mild = 6; Moderate = 7-12; Severe = 13-15.</p> <p>Motherisk PUQE-24 scoring system</p> <table border="1"> <tr> <td>In the last 24 hours, for how long have you felt nauseated or sick to your stomach?</td> <td>Not at all (1)</td> <td>1 hour or less (2)</td> <td>2-3 hours (3)</td> <td>4-6 hours (4)</td> <td>More than 6 hours (5)</td> </tr> <tr> <td>In the last 24 hours have you vomited or thrown up?</td> <td>7 or more times (5)</td> <td>5-6 times (4)</td> <td>3-4 times (3)</td> <td>2-1 times (2)</td> <td>I did not throw up (1)</td> </tr> <tr> <td>In the last 24 hours how many times have you had retching or dry heaves without bringing anything up?</td> <td>No time (1)</td> <td>1-2 times (2)</td> <td>3-4 times (3)</td> <td>5-6 times (4)</td> <td>7 or more times (5)</td> </tr> </table> <p>PUQE-24 score: Mild = 6; Moderate = 7-12; Severe = 13-15.</p> | In the last 24 hours, for how long have you felt nauseated or sick to your stomach? | Not at all (1) | 1 hour or less (2) | 2-3 hours (3) | 4-6 hours (4) | More than 6 hours (5) | In the last 24 hours have you vomited or thrown up? | 7 or more times (5) | 5-6 times (4) | 3-4 times (3) | 2-1 times (2) | I did not throw up (1) | In the last 24 hours how many times have you had retching or dry heaves without bringing anything up? | No time (1) | 1-2 times (2) | 3-4 times (3) | 5-6 times (4) | 7 or more times (5) | <p>Bloods</p> <ul style="list-style-type: none"> FBC (++WBC) ++ ESR Urine + serum B-HCG – ABNORMALLY HIGH TSH/T3/T4 <p>TVUS</p> <ul style="list-style-type: none"> "Snowstorms" appearance"  <p>Hysteroscopy</p> <ul style="list-style-type: none"> Biopsy + staging |
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| Comp. | <ul style="list-style-type: none"> Recurrent M/C | <ul style="list-style-type: none"> Severe dehydration – hypovol shock | <ul style="list-style-type: none"> Choriocarcinoma (germ cell tumour of ovary) Mets - death | | | | | | | | | | | | | | | | | | |
| Mx | <p>NO strong recommendations to prevent</p> <ul style="list-style-type: none"> Anti-D if Rh -ve <p>If APS or SLE</p> <ul style="list-style-type: none"> Low dose aspirin LMWH <p>PRISM trial</p> <ul style="list-style-type: none"> Vaginal progesterone pessaries during early pregnancy for women with recurrent M/C | <p>Mild hyperemesis gravidarum</p> <ol style="list-style-type: none"> PO hydration + PO anti-emetics (e.g. <ul style="list-style-type: none"> 1st line = cyclizine, prochlorperazine (stemetil) Phenergan 2nd line = metoclopramide PPI or ranitidine <p>When should I admit?</p> <ul style="list-style-type: none"> Cannot tolerate PO anti-emetics or fluids >5% weight loss compared to pre-pregnancy wt Ketones present on urine dipstick <p>Mod-severe hyperemesis gravidarum:</p> <ol style="list-style-type: none"> IV or IM antiemetics + L lateral position (↑VR) IVF resus – 0.9% NS + KCL Daily EUC monitoring B1 / thiamine supp. (prevent Korsakoff) Thromboprophylaxis (SC clexane) | <p>Mx:</p> <ol style="list-style-type: none"> Surgical evacuation w/ soft plastic catheter (D•C) Send tissue to histopathology + register molar pregnancy 15% require SYSTEMIC MTX chemo for persistently elevated B-HCG <p>Follow-up – 80% are benign</p> <ol style="list-style-type: none"> Weekly Serial HCG monitoring until negative (then monthly for 6-12 months) Avoid pregnancy during follow up Use LARCs (barrier methods NOT COCP) F/U and counsel in EPAS for future pregnancies → higher risk of <p>For choriocarcinoma</p> <ul style="list-style-type: none"> 1st line = MTX (chemo) → 98% cure rates even for metastatic lung disease Good prognosis | | | | | | | | | | | | | | | | | | |

TERMINATION OF PREGNANCY

TOP or abortion = elective procedure to end pregnancy

- If < 23 weeks = performed by doctor
- If > 23 weeks = 2x doctors must approve abortion (if mental well-being of mother is at risk, to save another fetus or if fetus has serious abnormality)

Medical Abortion

- Misoprostol** = synthetic prostaglandin = induces uterine contractions
- Mifepristone** = synthetic anti-progesterone = embryo implantation
- Prostaglandin (PGI2)** = arachidonic acid metabolite = relax uterine muscle tone (myometrium)

Surgical Abortion

- Local anaesthetic +/- sedation OR GA**
- Cervical dilatation and suction of content of uterus (up to 14 weeks)
- Cervical dilatation and forceps removal (14-24 weeks)

Complications

- Bleeding, Pain, Infection
- Failure of the abortion (pregnancy continues)
- Damage to the cervix, uterus or other structures

Post-abortion care

- Advise PV bleed and abdo cramps for up to 2 weeks after procedure
- Urine B-HCG test 3 weeks after abortion to confirm success
- Anti-D for any Rh -ve women > 10/40

