Common Causes

Normal/delayed period

- Threatened miscarriage
- Incomplete mc
- Complete mc
- Missed mc
- Ectopic pregnancy
- Molar pregnancy
- Bleeding disorder
- Trauma
- Blood thinners

Initial

rurtner nvestigations

Pregnancy Test (β-hCG)

Vaginal Bleeding in Pregnancy

(1st / 2nd Trimesters)

Confirm pregnancy if not already confirmed

Serial β-hCG Levels

Monitor pregnancy progression or diagnose ectopic pregnancy

CBC (Complete Blood Count)

Assess for anemia, infection

Rh Factor and Antibody

Consider Rh immunoglobulin (Anti-D) if Rh-negative

Pelvic Ultrasound (Transvaginal)

- Rule out ectopic pregnancy
- Assess for miscarriage, molar pregnancy or retained products

Coagulation Profile (If significant bleeding)

Rule out coagulation disorders

Management

Stabilization

• IV fluids if significant blood

Monitor vitals and provide

intervention if necessary

supportive care

Prepare for surgical

loss

Expectant Managemen

For stable cases of

threatened

miscarriage

Medical Management

Miscarriage: Misoprostol

for medical evacuation
 Ectopic Pregnancy:
 Methotrexate if stable and unruptured

Surgical Management

- (Anti-D)
- miscarriage or molar pregnancy

 Laparoscopy for ectopic pregnancy

D&C for incomplete

 Emergency surgery for ruptured ectopic pregnancy Administer if Rhnegative to prevent isoimmunization

Red Flags

Hemodynamic Instability (shock)

Severe Abdominal Pain

Heavy Vaginal Bleeding

Suspect ruptured ectopic pregnancy

Suggestive of ectopic pregnancy or miscarriage

Consider incomplete miscarriage or molar pregnancy

Common Causes

Vaginal Bleeding in Pregnancy (3rd Trimester)

Placenta Previa

- Placental Abruption
- Labor (Bloody show)
- Vasa Previa (Rare but life-threatening)
- Bleeding disorder
- Trauma
- Blood thinners

Initial investigations

Vlanagement

Pelvic Ultrasound (Transvaginal)

- Assess fetal well-being and placental position
- Rule out placenta previa or abruption
- Assess for polyhydramnios or oligohydramnios

CBC (Complete Blood Count)

Assess for anemia, infection

Further Investigations (If Required)

- CTG
- Coagulation
 Profile
- Kleihauer-Betke
 Test

Stabilization

- IV fluids and blood transfusion if necessary
- Continuous fetal monitoring
- Prepare for urgent delivery if needed

Medical Management

- Corticosteroids for fetal lung maturity (if preterm)
- Tocolytics if indicated to delay preterm labor (with caution)

Surgical Management

- Cesarean section for placenta previa or abruption
- Emergency delivery for vasa previa or fetal distress

Rh Immunoglobulin (Anti-D)

Administer if Rhnegative to prevent isoimmunization

ed Flags

Heavy Vaginal Bleeding

Severe Abdominal Pain with Bleeding

Abnormal Fetal Heart Rate Labor Signs with Heavy Bleeding

Suspect placenta previa or placental abruption

Consider placental abruption (painful bleeding)

Consider fetal distress from vasa previa or abruption Urgent evaluation for placenta previa or placental abruption

Infections

- Pelvic Inflammatory Disease (PID)
 - Cervicitis
- Endometritis

Structural Causes

Anovulation
 (Dysfunctional Uterine Bleeding - DUB)

Hormonal Causes

- Polycystic Ovary Syndrome (PCOS)
- Perimenopause/Menop ause
- Hormone Replacement Therapy (HRT)

Causes of pv bleeding in non-pregnant patient

- Fibroids (Leiomyomas)
- Endometrial Polyps
- Adenomyosis
- Endometrial Hyperplasia
- Cervical or Endometrial Cancer
- Cervical Polyps

latrogenic Causes

Systemic Causes

Trauma

Other Causes

- Intrauterine Devices (IUDs)
- Hormonal Contraceptivesbreakthrough bleeding
- Anticoagulants: warfarin, aspirin
- Coagulation
 Disorders: Von
 Willebrand
 disease,
 Hemophilia,
- Liver Disease
- Thyroid
 Disorders: Both
 hyperthyroidism
 and
 hypothyroidism
- Genital Trauma: Injury to the vagina, cervix, or uterus from sexual activity, medical procedures, or accidents
- Endometriosis
- Atrophic Vaginitis
- Foreign Body:
 Retained
 tampons or
 foreign objects
 in the vagina

Vaginal Discharge

Type

Initial

Management

Red Flags

Normal Physiological Discharge

Increased cervical mucus production Milky white or clear mucoid No odor or pruritus Vaginal PH<4.7

Bacterial Vaginosis (BV)

Thin, grey-white discharge, fishy Odor Watery, profuse, bubbly Irritation PH 5-6

Candidiasis (Candida albicans & glabrata)

Thick, white,
"cottage cheeselike" discharge,
intense itching,
soreness, redness
No odor
PH<4.5

Trichomonas Vaginalis (Protozoan)

Frothy, greenyellow discharge, vaginal irritation Fishy, malodorous PH 5-6 Sexually transmitted

Other causes

Cancer of vagina, cervix, uterus STI PID Fistula Foreign body Atrophic Vaginitis

- High vaginal swab for microscopy & culture, STIs (PCR)
- Low vaginal swab if suspects BV
- Endocervical swab if suspects PID
- PH test of vaginal discharge
- Amine or whiff test for BV- release of fishy odor with 10% KOH
- Wet film microscopy for candidiasis, clue cells in BV only
- Cervical screening co-test- HPV DNA test + LBC in unexplained, persistent, blood-stained discharge
- USS for endometrial thickness if suspects endometrial malignancy

Reassurance and explain

 Oral Metronidazole 7 days or 0.75% vaginal gel

Oral Clindamycin

7 days or cream (safe in pregnancy or resistance infections) Not STI, treating male partner not

recommended

- 1st ep- Clotrimazole/ miconazole vaginal cream 1-7 days
- Cant tolerate v.cream-Nystatin pessary
- Failed local therapyoral Fluconazole
 150mg as a single dose
- Recurrent- Longer course of vaginal azole cream + oral Fluconazole 150mg 3 doses 3 days apart followed by oral 100mg weekly for 6 months
- Metronidazole 2g oral single dose or 400mg bd 5 days if recurrent
- Tinidazole 2g oral as a single dose
- Treat sexual partners simultaneously
- No sexual contact for 7 days after treatment

Atrophic Vaginitisestrogen cream or pessary Treat STI/PID

- Rule out cervical insufficiency or labor (preterm or term)
- Suspect premature rupture of membranes (PROM) with watery discharge
- Blood-Stained Discharge
- Malodorous, Purulent Discharge with fever