



# Gynaecological & Obstetric Instruments

# CUSCO'S (BIVALVE) SPECULUM

## Gynaecological Indications:

- 1-Examination of vagina & cervix in cases of abnormal vaginal bleeding
- 2-To take cervical smear for cervical cancer screening.
- 3-To insert or to remove IUCD.
- 4-To take vaginal & cervical swab to exclude infections.
- 5-To allow introduction of uterine sound.

## Obstetric Indications:

- 1-To diagnose PROM in cases with H/O watery vaginal discharge & also to exclude cord prolapse.
- 2-To exclude local causes of APH.



# SIM'S SPECULUM

## Indications:

- 1-To exam the **anterior vaginal wall** for diagnosis of **vesico-vaginal fistula**.
- 2-To diagnose **pelvic organ prolapse**.
- 3-To expose the vaginal for fistula repair.

## N.B:

Sim's speculum need assistant during examination of the vagina & the **patient should be in left lateral position** or Sim's position.



# UTERINE CURETTE

## Indications:

- 1-To **take an endometrial sample** in cases of abnormal vaginal bleeding
- 2-To detect ovulation in cases of infertility by detection of secretory change of endometrium
- 3-To **remove the decidua (curetage)** after evacuation in case of abortion&molar pregnancy
- 4-To **remove retained products of conception** in cases of PPH.

## Complications:

- 1-**Permanent** amenorrhea & infertility due to removal of **basal layer** of endometrium.
- 2-**Asherman's syndrome.**
- 3-**Endometriosis** due to implantation of endometrial tissue in the vagina or perineal scar.
- 4-Complications of **dilatation (cervical trauma).**



# UTERINE SOUND

## Indications:

- 1-To measure the length of the uterine cavity.
- 2-To know the position & direction of the uterus in case of retroversion.
- 3-To differentiate between a polyp arising from the cervical canal or body of the uterus.
- 4-To measure the length of the cervical canal.

## Complications:

- 1-Shock due to pain.
- 2-Ascending infections.
- 3-Perforation of the uterus.
- 4-Abortion if introduced into a pregnant uterus.



# HEGAR'S DILATOR

## Indications:

1-To dilate the cervix for under GA or paracervical block:

a-induction of labour    b-taking cervical biopsy    c-curettage    d-hysteroscopy

2-To diagnose cx-incompetence when Hegar's no. 8 passe easily without pain&resistant

## Complications:

1-Cervical trauma that may lead to cervical incompetence ,uterine perforation.

2-Bleeding due to cervical lacerations.

□There is different sizes from 3-12 mm ,no. 7-10 for curettage.

double end



Single end



# RUBIN'S CANNULA

## Indications:

To inject a dye into the cervix to perform hysterosalpingogram (HSG) to detect patency of Fallopian tubes in cases of infertility & also for diagnosis of: cervical incompetence ,congenital anomalies of the uterus ,Asherman's syndrome.



# Ventous for vacuum delivery

- **Indication :**

1- delay second labour stage      2- fetal distress

- **Requirment :**

1- cx full dilators    2- fetal head engagment    3- good uterus contraction

- **C\ I :**

1- fetal scalp bleeding    2- <34 wk g    3- malepresentation

If ventous failed don't try forecepe or repeat ventous twice





# long curved forceps

## ■ Indications:

1\_ Maternal exhaustion

2\_ Prolonged second stage

3\_ occipito posterior position

4\_ After-coming head in breech delivery



# OVUM FORCEPS

## Indications:

1-To remove products of conception.

2-To evacuate the uterus after abortion.

## Complications:

Perforation of the uterus.

It has no lock.



# VULSELLUM FORCEPS

## Indications:

- 1-To grasp the **cervical lips** to visualize the cervix or during vaginal hysterectomy .
- 2-To grasp a **fibroid polyp** during vaginal myomectomy.

## N.B:

- It may be single-toothed ,double-toothed or multiple-toothed.
- Should not used during pregnancy due to risk of bleeding.
- It causes laceration of the cervix causing bleeding.



# SPONGE HOLDER FORCEPS

## Indications:

- 1-To hold gauzes during sterilization & cleaning of skin before surgery.
- 2-For removal of IUCD.
- 3-To grasp the ant. Cervical lip during removal of product of conception as vulsellum forceps causes bleeding due to high vascularity of the cervix during the pregnancy.

N.B: *It has a lock.*



# KOHER'S FORCEPS

## Indications:

- 1-To perform **artificial rupture of membranes** (ARM) for induction of labour.
- 2-To **hold sheaths of rectus muscle during C-section**.

## N.B:

It has toothed ends ,one end with single tooth & other end with two teeth. It has a lock.



# PAPICOCK FORCEPS

## Indications:

To hold soft tissues like bowel ,appendix or Fallopian tubes during abdominal surgery.



# PINARD'S FETO-STETHOSCOPE

Indications:

To auscultate fetal heart sound.



# ALLIES'S FORCEPS

Indications:

- 1-To hold peritoneum during c-section.
- 2-To remove a cervical polyp,
- 3-During tubal ligation & abdominal hysterectomy

N.B: It has a lock & toothed ends (3 teeth on one end & 2 teeth on the other).

