UTERUS

- Hollow
- Thick walled
- Muscular
- Organ for child bearing
- Body -2/3
  Cervix – 1/3
- Located in lesser pelvis
- Pear shaped
- 7-8cm long
- 5cm wide
- 2-3 cm thick
Lumen flat anteroposterior.
Cavity- 6 cm.
Cervix narrow & cylindrical
2.5 cm long
External os
Isthmus- upper 1/3 (lower uterine segment)
Supravaginal
Vaginal: fornices
Position of Uterus

- Anteverted
- Anteflexed
PERITONEAL RELATIONS
VISCERAL RELATIONS

Ant.-Sup. Surface of bladder

Post.-ant. Surface of rectum, loops of intestine

Lat.- ureter, uterine artery, transverse cardinal ligament
SUPPORTS OF UTERUS

1. LIGAMENTS (Primary supports):
   Round
   uterosacral
   transverse cervical
   pubocervical

2. PERITONEAL FOLDS (Secondary supports):
   Uterovesical
   Rectouterine
   Broad ligament

3. FIBROMUSCULAR & MECHANICAL SUPPORT
   Position of uterus
   Pelvic diaphragm
   Urogenital diaphragm
   Perineal body
Round Ligament:
Flattened cord, 12 cms

Superolat. Wall of uterus to mons pubis

enters inguinal canal contains few muscle fibres

remanant of gubernaculum
SECONDARY SUPPORT

- Uterovesical pouch
- Rectouterine pouch
- Broad ligament
Broad Ligament

Double fold of peritoneum
Mesosalpinx
Mesoovarium
Mesometrium

Contents:
Parametrium
Uterine tube
Round ligament of uterus
Ligament of Ovary
Vessels: uterine, ovarian
Nerves, lymphatics
Remanants: epoophoron, paraoophoron
duct of Gartener
3. Muscular support

- Pelvic diaphragm
- Urogenital diaphragm
- Perineal body
Lymphatics

- Fundus: Lumbar lymph nodes
  Ext. iliac lymph nodes
- Body: Ext. iliac lymph nodes
- Cervix: Int. iliac lymph nodes
  sacral
  rectal
NERVE SUPPLY

Inferior hypogastric plexus
Sympathetic: T12-L1
Vasoconstrictor; contraction
Parasympathetic: S2-4
Vasodilator; inhibitor
Applied Anatomy

- Cervical cancer
- Anesthesia for childbirth
- Examination of uterus
- Hysterectomy
- Prolapse of uterus
HYSTEROSALPINGOGRAPHY

**Fig. 235.**—Radiograph of the uterus and uterine (Fallopian) tubes after the injection of iodized oil through a catheter (anterior view; subject supine).
ULTRASONOGRAPHY
Uterus
Variations in Position

Degrees of retroversion

- Altered rectal contour in 3rd degree
- 3rd degree
- 2nd degree
- 1st degree
- Normal
RECTOVAGINAL POUCH

• Also known as cul-de-sac