



- **Epidemiology:**
  - **Age group:** 60's but nowadays endometrial cancer can even occur in younger age groups.
  - **75% of cases present with stage-I of the disease.**
- **Pathogenesis:** unopposed estrogen.
- **Risk factors:**
  - Advanced age (as mentioned above).
  - External estrogen intake (Hormone Replacement Therapy), tamoxifen or high doses of steroids.
  - Chronic anovulation state (such as Polycystic Ovarian Syndrome).
  - Obesity (which is often associated with diabetes and hypertension).
  - Lynch syndrome.
- **The most common presentation of the patient:**
  - Abdomino-pelvic pain.
  - Postmenopausal bleeding.
  - Or intermenstrual bleeding.
- **Pre-operative evaluation:**
  - **History, physical examination and then investigations which include:**
    - ✓ Endometrial biopsy (if the cervical os is open) or D&C (if the cervical os is closed).
    - ✓ CBC and serum chemistry.
    - ✓ CA-125 (although it is non-specific and mainly checked with ovarian cancer with greater benefit when used for follow-up and prognosis after surgery).
    - ✓ Chest X-ray and ECG.
    - ✓ CT-scan of the abdomen and pelvis: to detect any metastasis or involvement of lymph nodes. Nowadays, MRI is requested for the pelvis while CT-scan is requested for chest and abdomen.
- **Staging of endometrial cancer is surgical:**

<b>Stage-I</b>	Uterus only: <ul style="list-style-type: none"> <li>• IA: only endometrium.</li> <li>• IB: &lt; 50% of myometrium.</li> <li>• IC: &gt; 50% of myometrium.</li> </ul>
<b>Stage-II</b>	Invasion of the cervix.
<b>Stage-III</b>	Invasion outside uterus but still confined to true pelvis.
<b>Stage-IV</b>	Invasion of bladder/rectum
<b>Stage-V</b>	Distant metastasis
- **Management:**
  - TAH-BSO.
  - Peritoneal fluid cytology.
  - Radiation (with > 50% involvement of myometrium or involvement of lymph nodes).
  - Abdominal exploration and biopsy.
  - Lymph node sampling.
- **Risk of recurrence is increased within first 1-3 years thus following the patient with ultrasound and pap smear.**