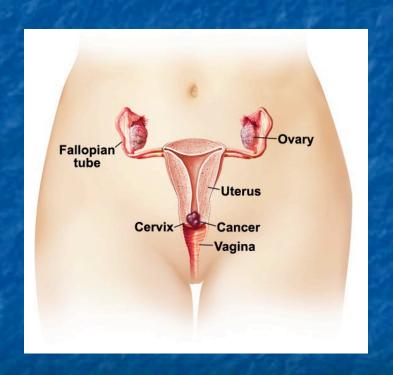
Cervical Cancer

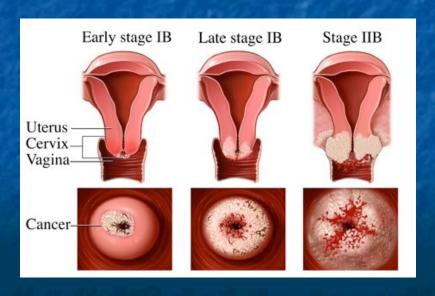


Learning Objectives

- At the end of the presentation, students will be able to:
 - Define cervical cancer
 - Identify the virus causing cervical cancer
 - Identify 2 cervical cancer symptoms and 2 risk factors
 - Mention at least 2 types of cervical cancer treatment
 - List 2 ways of cervical cancer prevention

What is Cervical Cancer?

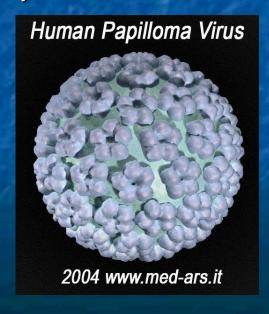
 Cervical cancer is one of the most common cancers that affect women.

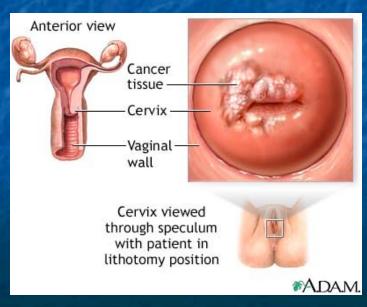


 This cancer begins in the lining of the cervix.
Cervical cancers do not form suddenly and develop precancerous changes that turn into cancer.

What is Cervical Cancer?

- It is a slow-growing cancer that may not have symptoms but can be found with regular Pap Smear tests.
- The Human Papilloma Virus (HPV) is responsible for many cervical cancers.





Types of Cervical Cancer

Squamous Cell Carcinoma

- 80-90% of cervical cancers
- Composed of cells that resemble the flat, thin cells called squamous cells that cover the surface of the endocervix.

Adenocarcinomas

- 10-20% of cervical cancers
- Develops from the mucus-producing gland cells of the endocervix.

Risk Factors

- Many sexual partners
 - Great chance of acquiring HPV
- Early sexual activity
 - Before 18 increases your risk due to immature cells
- Other sexually transmitted diseases
 - Chlamydia, gonorrhea, syphilis, or HIV
- A weak immune system
- Cigarette smoking

Symptoms

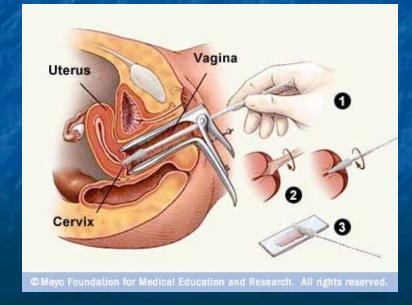
- Early cervical cancer generally produces no signs. As the cancer progresses:
 - Vaginal bleeding after intercourse, between periods or after menopause
 - Watery, bloody vaginal discharge that may be heavy and have foul odor
 - Pelvic pain or pain during intercourse

Screening and Diagnosis

Pap Test

The doctor/nurse brushes cells from the cervix, smears them onto a glass slide and send it to the laboratory for abnormal cell

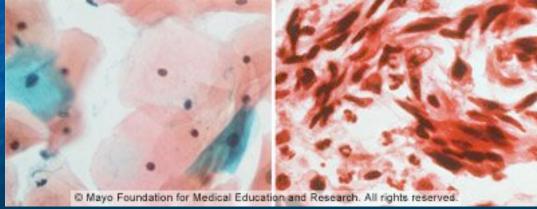
examination.



Screening and Diagnosis

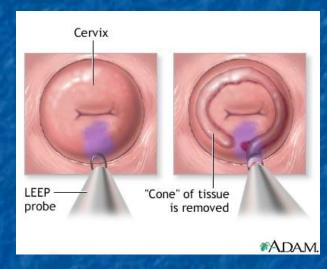
HPV DNA test

- This is used to determine whether there is an infection with any of the 13 types of HPV.
- This test also involves cervical cells for lab testing.



Treatment

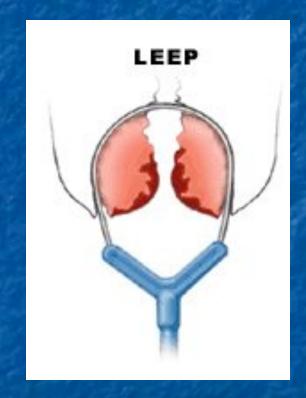
- Pre-invasive stage (Outer layer of the cervix is affected):
 - Conization removal of a cone-shaped piece of cervical tissue where the abnormality is.
 - Laser surgery intense light used to kill cancerous cells.

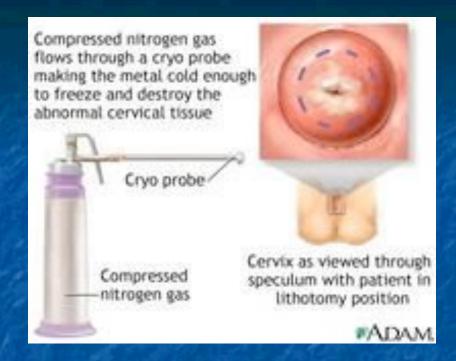




Treatment

- Loop electrosurgical excision procedure (LEEP) A wire loop that passes electricity to cut and remove cells from the cervix.
- Cryosurgery freezing and killing cancer cells
- Hysterectomy removal of the cervix and uterus

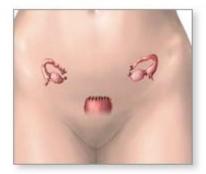








After





Treatment

- Invasive stage
 - Hysterectomy
 - Radical trachelectomy removal of the cervix and lower part of the uterus.
 - Radiation rays shrink tumors by killing cells
 - Chemotherapy anti-cancer drugs that enter bloodstream.

Prevention

- Delay first intercourse
- Use a condom during intercourse to reduce HPV and other STDs risk of infection.
- Have fewer sexual partners
- Do not smoke
- Routine Pap tests
 - Initial pap test at age 21 or when you begin having sex.
 - A regular pap test every year is recommended

HPV Vaccine



- Vaccine "Gardasil"
 - It offers protection from the most dangerous types of HPV.
 - Routine vaccination is recommended for girls age 11-12 and women ages 13-26.
 - The vaccine is more effective if given to girls before they become sexually active.

Review Questions

- Define cervical cancer
- 2. List 2 risk factors of cervical cancer
- 3. Vaginal bleeding and painful intercourse are symptoms of cervical cancer:

TRUE FALSE

- 4. The two tests used to diagnose cervical cancer are _____ test and _____ test.
- 5. List 2 ways to prevent cervical cancer