

UG SYSTEM - PATHOLOGY

Prostate hyperplasia (hypertrophy/enlargement)

1. men (40-60y) face 60% chance of prostate hyperplasia
2. men over 70 face a 95% chance
3. hyperplasia compresses the urethra
 - a. micturation becomes difficult
 - b. 'bearing down' makes it even more difficult
4. enlarged prostate glands distorts floor of bladder
 - a. bladder cannot be fully emptied
 - b. bladder "feels" full most of the time
5. infections of static urine spread throughout urinary tract

Prostate CA - Carcinoma of the prostate gland

1. Urination is difficult
2. 'bearing down' forces mets into lymphatic system
3. mets (metastases) then spread throughout body

Benign CA: transurethral resection

Malignant CA: prostate left in place, chemotherapy

Testicular Cancer

1. somewhat rare; neoplasm of the testicles
2. in contrast to ovarian cancer...
 - much less common
 - easy to ID - pain in scrotum
 - remedy? - remove testicle

Breast Cancer

1. malignant cell growth (neoplasm) of breast tissue
 - a. most common malignant disease of women
 - b. 2nd most common cause of death in women (35-55y)
 - c. 12%* of all women in the US will get breast cancer
2. treatment:
 - a. segment excision > mastectomy
 - b. radiation > chemotherapy

Prolapse of uterus

1. descent of the uterus to the level of the U-G diaphragm
2. gynecological disorder correlated with:
 - a. advancing age
 - b. numerous and/or difficult pregnancies
3. cause: decreased support of uterus by:
 - a. muscles of the U-G diaphragm
 - b. ligaments that suspend the uterus
4. result: damage to adjacent vessels, and ureters

Gynecologic Cancer

1. Cervical cancer

- a. MOST common gynecologic neoplasm
- b. ~ smoking, early sexual activity, multiple partners
- c. PAP smear: examination of cells taken from cervix
- d. PAP: **CRITICAL** after onset of sexual activity (18⁺ yrs)

2. Uterine cancer (endometrium)

- a. 2nd most common neoplasm
- b. more common in older age (50-70y)

3. Ovarian cancer

- a. 3rd most common neoplasm
- b. less common, but highest incidence of death
 - cancer is usually advanced when noticed
- c. surgery and chemotherapy