

# Medical Terminology

Unit 6  
Urology & Gynecology

## New Combining Forms

- |                |                |
|----------------|----------------|
| • Urine        | Ur/o           |
| • Kidney       | Nephr/o, Ren/o |
| • Renal Pelvis | Pyel/o         |
| • Ureter       | Ureter/o       |
| • Bladder      | Cyst/o         |
| • Urethra      | Urethr/o       |

## New Suffix

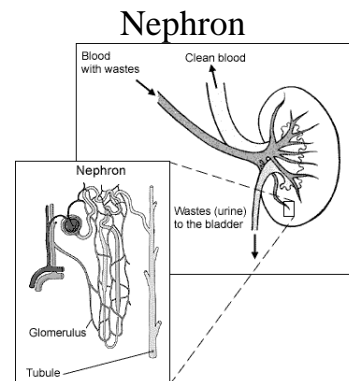
- |            |                         |
|------------|-------------------------|
| • -lith    | • Stone                 |
| • -lysis   | • Destruction           |
| • -pexy    | • Surgical Fixation     |
| • -ptosis  | • Prolapse              |
| • -rrhagia | • Hemorrhage            |
| • -rrhaphy | • Suturing or stitching |
| • -uria    | • Urine, Urination      |

## Ur/o = Urine

- Ur/o/logy: Study of the urinary tract
- Ur/o/logist: A physician who specializes in treating male and female urinary system disorders and male reproductive system.
- Ur/o/genital or genit/o/urinary: Pertaining to urinary tract and genitals
- Ur/o/pathy: Any disease of urinary tract

## Nephr/o = Kidney

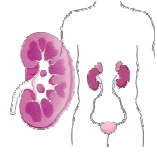
- Nephr/o/ptosis: Prolapsed (fallen) kidney
- Nephr/o/plasty: Surgical repair of kidney
- Nephr/o/pexy: Surgical fixation of kidney
  - Nephropexy is one specific type of surgical repair



## Nephr/o = Kidney

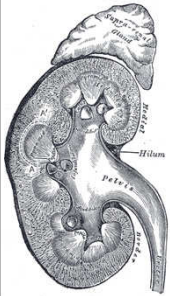
- Nephrons
  - Functional units of the kidney. Tiny structures in the renal cortex. Filter blood to remove waste and excess water and form urine.
- Nephritis: Inflammation of the kidney
- Nephroptosis: Proapsed kidney
- Nephrolith: Stone in the kidney
- Nephromalacia: Softening of kidney tissue
- Nephromegaly: Enlargement of the kidney
- Nephrolysis: Destruction of kidney tissue

## Ren/o = Kidney



- Renal: Pertaining to the kidney
- Renopathy: Any kidney disease
- Renogram: Record from an X-ray of the kidney
- Renointestinal: Pertaining to the kidney and intestine
- Renogastric: Pertaining to the kidney and stomach

## Pyel/o = Renal Pelvis



- Pyelitis: Inflammation of the renal pelvis
- Pyeloplasty: Surgical repair of the renal pelvis
- Pyelonephrosis: Condition of renal pelvis and kidney
- Pyelonephritis: Inflammation of the renal pelvis and kidney
- Pyelogram: X-ray of the renal pelvis
  - IVP = Intravenous pyelogram

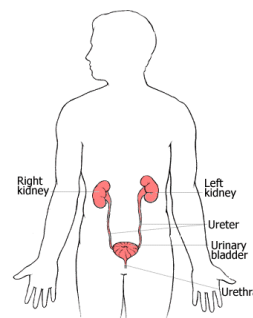
## -uria = (Condition of) Urine

- Polyuria ➤ Too much urination
- Nocturia ➤ Excessive urination at night
- Anuria ➤ Suppressed (lack of) urination
- Oliguria ➤ Abnormally low amount of urine
- Hematuria ➤ Blood in the urine
- Albuminuria ➤ Protein (albumin) in the urine
- Glycosuria ➤ Sugar in the urine
- Ketonuria ➤ Ketones in the urine
- Nocturnal enuresis ➤ Bed wetting

## Poly- = Many, Too Much

- Polyneuritis: Inflammation of many nerves
- Polyneuropathy: Disease of many nerves
- Polyarthritits: Inflammation of many joints
- Polyneuralgia: Pain in many nerves
- Polyotia: State of having too many ears
- Polycystic: Having many cysts
- Polyphagia: Eating too much
- Polyphobia: Excessive fear of things

- Urethr/o
- Ureter/o
- Ur/o
- Uter/o



- Urethra
- Ureter
- Urine
- Uterine

## Ureter/o = Ureter

- Ureter/o/lith: Stone or calculus in the ureter
- Ureter/o/cele: Herniation of the ureter
- Ureter/o/pathy: Any disease of the ureter
- Ureter/o/pyel/o/plasty: Plastic surgery of the ureter and renal pelvis
- Ureter/o/pyel/itis: Inflammation of the ureter and renal pelvis
- Ureter/o/cyst/o/stomy: Making a new opening between the ureter and bladder
- Ureter/o/py/osis: A condition of the ureter involving pus

## Urethr/o = Urethra

- Urethr/o/rrhaphy: Suturing of the urethra
- Urethr/o/tomy: Incision into the urethra
- Urethr/o/spasm: Spasm of the urethra
- Urethr/o/cystitis: Inflammation of urethra and bladder
- Urethr/o/rect/al: Pertaining to the urethra and rectum
- Urethr/o/vagin/al: Pertaining to the urethra and vagina

## -rrhaphy = Suturing or Stitching

- Ureter/o/rrhaphy: Suturing or stitching of the ureters
- Nephro/rrhaphy: Suturing of a kidney
- Cyst/o/rrhaphy: Suturing of the bladder
- Neuro/rrhaphy: Suturing of a nerve
- Colpo/rrhaphy: Suturing of the vagina
- Herni/o/rrhaphy: Suturing of a hernia

## -rrhagia = Hemorrhage

- Hemorrhage, or bursting forth of blood
- Gastro/rrhagia: Stomach hemorrhage
- Encephalo/rrhagia: Brain hemorrhage
- Urethro/rrhagia: Hemorrhage of the urethra
- Meno/rrhagia: Excessive menstrual bleeding
- Cyst/o/rrhagia: Hemorrhage of the bladder
- Ureter/o/rrhagia: Hemorrhage of the ureter

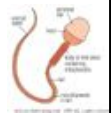
## Spermat/o, Sperm/o(i) = Sperm

- Sperm, *spermatozoa*, male germ cells
- *Sperma* = Seed
- Spermat/o/genesis: formation of sperm
- Destruction of spermatozoa
  - Sperm/o/lysis, Spermato/lysis
- An Immature sperm cell
  - Sperm/o/blast, Spermato/blast



## Spermat/o, Sperm/o(i) = Sperm

- Spermat/o/cyst: A sac containing sperm
- Spermat/o/oid: Resembling sperm
- Spermat/o/pathy: Disease of the sperm
- Spermat/o/cele: A herniated saclike structure containing sperm
- Sperm/i/cide: An agent used to kill sperm
  - -cide = to kill or destroy



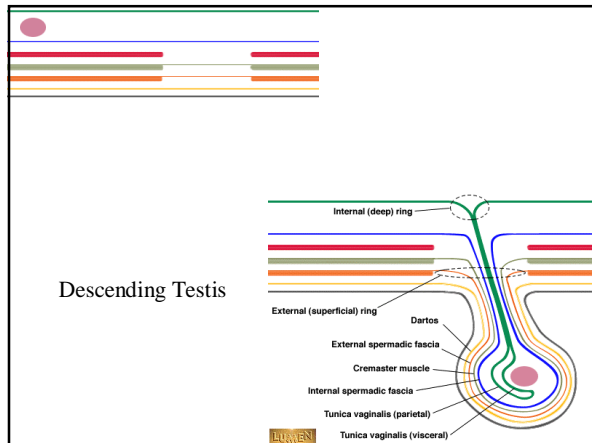
## Orchid/o, Orchi/o, Orch/o = Testicle

- Excision of the testicle
  - Orchid/ectomy
  - Orchi/ectomy
  - Orch/ectomy
- Pain in the testes
  - Orchid/algia
  - Orchid/o/dynia



## Orchid/o, Orchi/o, Orch/o = Testicle

- Orchid/o/plasty, or Orchiopexy: Surgical repair of undescended testes
- Orchid/o/cele: Herniation of a testicle
- Orchid/o/tomy: Incision into a testicle
- Crypt/orchid/ism: Undescended testicle
  - Crypt, crypt/ic = hidden

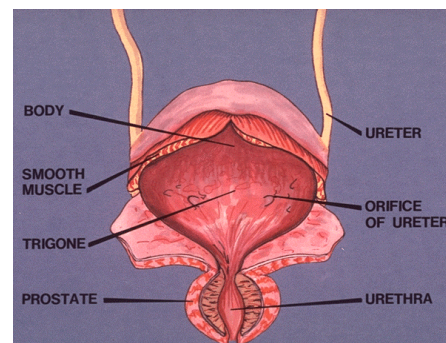


## Testicle

- |                   |               |
|-------------------|---------------|
| • Singular noun   | • Test/is     |
|                   | • Test/icle   |
| • Plural noun     | • Test/es     |
|                   | • Test/icles  |
| • Adjectival form | • Test/icular |

## Prostat/o = Prostate Gland

- Prostat/ic (adj.): pertaining to the prostate gland
  - Benign Prostatic Hyperplasia (BPH): enlargement of the prostate due to increase in number of cells and aging
- Prostat/itis: Inflammation of prostate
- Prostat/o/rrhea: Abnormal discharge from the prostate gland
- Prostat/algia: Prostatic pain
- Prostat/ectomy: Excision of the prostate

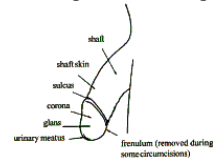


## Semin/o = Semen

- Semin/al (adj.): The combination of fluids and sperm
- Semen: Combined fluid of prostatic fluid and sperm, secreted by seminal vesicles
- Semin/oma: A malignant neoplasm found most often in young men

## Balan/o = Glans Penis

- Balan/itis: Inflammation of the glans penis
- Balan/o/plasty: Surgical repair of the glans penis
- Balan/o/rrhea: Discharge from the glans penis



## Pen/o = Penis

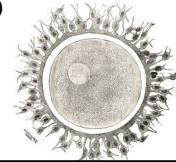
- Pen/ile (adj.): Pertaining to penis
- Pen/itis: Inflammation of the penis



- Scrot/um: The saclike structure that contains the testes

## O/o = Egg, Ovum

- Oon = egg
- O/o/blast: An embryonic egg cell
- O/o/gen/esis: The formation and development of an ovum. (from ooblast to mature ovum)



## Oophor/o = Ovary (egg bearing)

- Oon = egg → o/o
- Phoros = bear → phor/o
- Oophor/ectomy: Excision of the ovary
- Oophor/itis: Inflammation of an ovary
- Oophor/oma: Tumor of an ovary
- Oophor/o/pexy: Fixation of a displaced ovary

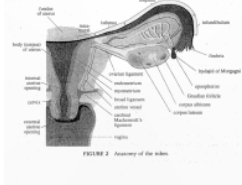
## Salping/o = Fallopian Tubes

- Salpinx = trumpet (shape)
- Salping/o/scope: An instrument used to examine the fallopian tubes
- Salping/o/stomy: A new surgical opening made in fallopian tube
- Salping/itis: Inflammation of a fallopian tube
- Salping/ectomy: Excision of a fallopian tube

## Salping/o = Fallopian Tubes

- Use a hyphen between 2 like vowels when building compound words

- Salpingo-oophoritis
- Salpingo-oophorectomy
- Salpingo-oophorocele



- TAH-BSO = Total Abdominal Hysterectomy with Bilateral Salpingo-oophorectomy



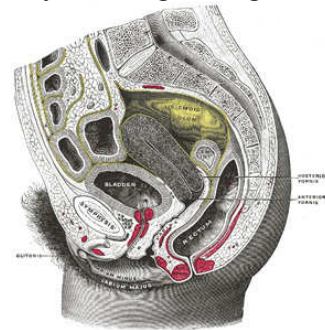
## Colp/o = Vagina

- Colp/itis: Inflammation of the vagina
- Colp/o/dynia: Vaginal pain
- Colp/o/pathy or Vaginopathy: Any disease of the vagina
- Colp/o/spasm: Vaginal spasm
- Colp/ectomy or Vaginectomy: Excision of a part of the vagina

## Colp/o = Vagina

- Colp/o/pexy: Fixation of the vagina
- Colp/o/plasty or Vaginoplasty: Surgical repair of the vagina
- Colp/o/scope: Instrument for examining the vagina
- Colp/o/tomy: Incision into the vaginal wall

## Gynecologic Organs



## “G”

- Hard “g”
  - When followed by o, u, a, or a consonant
    - Laryngoscope, Salpingocele, Hysteroqram
- Soft “g” (“J” sound)
  - When followed by e, i, or y.
    - Germ, Meningitis, Audiology

## Hyster/o = Uterus

- Hyster/ectomy: an excision of the uterus
- Hyster/o/tomy: an incision into the uterus
- Hyster/o/spasm: a spasm of the uterus
- Hyster/o/gram: X-ray (picture) of the uterus
- Hyster/o/salping/o/gram: X-ray of the uterus and fallopian tubes to determine openness of the tubes using contrast material
- Hyster/o/pathy: Any disease of the uterus

## Hyster/o = Uterus

- Hyster/o/salping/o/-oophor/ectomy: the excision of the uterus, fallopian tubes, and ovaries
- Hyster/o/scope: Instrument used to see into the uterus
- Hyster/o/scopy: The procedure of looking into the uterus
- Hyster/o/cele: Herniation of the uterus

## Metr/o = Uterine tissue

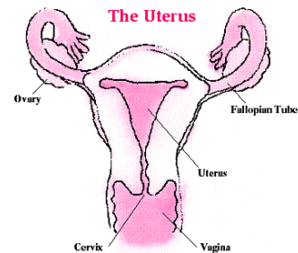
- *Metra* = Womb
- Metr/itis: Inflammation of the uterine musculature
  - Endometritis: Inflammation of the uterine lining
- Endo/metr/iosis: A condition in which tissue that looks and acts like endometrial tissue is found in places other than the lining of the uterus.
- Metr/o/paralysis, Metr/o/plegia: Paralysis of the uterine musculature
- Metr/o/pathy: Any uterine disease
- Metr/o/cele: Herniation of the uterus

## Metr/o = Uterine tissue

- Metr/o/rrhagia: Intermenstrual (in between) bleeding
- Men/o/metr/o/rrhagia: Excessive bleeding during and between menstrual periods
- Metr/algia: Uterine pain
- Men/o/rrhagia: Excessive menstrual bleeding
- Metr/o/rrhea: Abnormal flow or discharge from the uterine tissue

## Uter/o = Uterus

- Uter/ine (adj.): Pertaining to uterus



## -ptosis = Prolapse

- Prolapse or downward displacement
- Hyster/o/ptosis: Uterine prolapse
  - Fix uterus by performing Hyster/o/pexy
- Colp/o/ptosis: Vaginal prolapse

## Cervic/o = Neck of the uterus

- Cervic/o/plasty: A surgical procedure to repair the cervix
- Cervic/itis: Inflammation of the cervix
- Cervic/al: Pertaining to the cervix
- Cervic/o is also used to refer to the neck area of the spine. Use the context of the subject to know if the term referring to the neck of the uterus or the neck of the spine.

## Conization

- Conization is a surgical procedure where a cone-shaped cut is made in the cervix to remove endocervical tissues. This procedure is used to remove precancer or cancer cells of the cervix or endocervical tissues.

## Gynec/o, Gyn/e = Woman



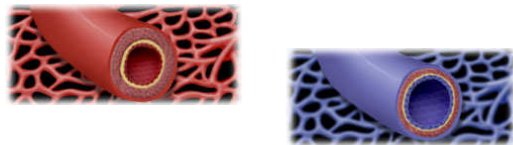
- *Gyne* = woman
- Gynec/ology: Field of medicine that deals with diseases of women
- Gynec/ologist: Physician who specializes in female disorders
- Gynec/oid: Resembling woman
- Gynec/o/pathy: Any disease peculiar to women
- Gyn/e/phobia: Abnormal fear of women

## Vas/o = Blood Vessel

- *Vas* = vessel
- Vas/o/dilatation: Enlarging the diameter of a vessel
- Vas/o/dilator: A nerve or drug that dilates blood vessels
- Vas/o/constriction: Decreasing the size of the diameter of a vessel
- Vas/o/motor (adj.): Refers to nerves that control the tone of the blood vessel walls

## Vas/o = Blood Vessel

- Vas/al: Pertaining to a vessel
- Vas/o/spasm: Spasm of a vessel
- Vas/o/tripsy: Crushing of a vessel (with forceps to stop hemorrhage)



## Vas/o = (Many types of) vessels

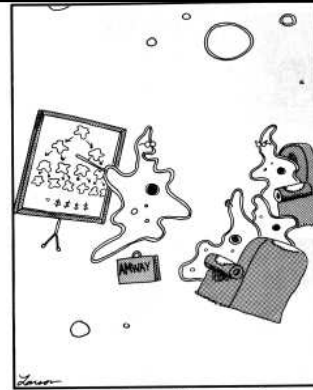
- Vas deferens (a part of male reproductive system)
  - Vas/o/tomy: Incision into the vas deferens
  - Vas/o/rrhaphy: Suture of the vas deferens
  - Vas/o/stomy: Making a new opening into the vas deferens
  - Vas/ectomy: Removal of a segment of the vas deferens

## Abbreviation

- AID
- AIH
- BPH
- Cysto
- ESRD
- F
- Gyn
- HSG
- IVP
- KUB
- M
- Artificial insemination (donor's sperm)
- Artificial insemination (husband's sperm)
- Benign prostatic hyperplasia (hypertrophy)
- Cystoscopy
- End stage renal disease
- Female
- Gynecology (ist)
- Hysterosalpingogram
- Intravenous Pyelogram
- Kidney, ureter, bladder, x-ray, radiography
- Male

## Abbreviation

- MD • Doctor of Medicine
- PAP • Papanicolaou test (smear)
- PID • Pelvic inflammatory disease
- PSA • Prostate specific antigen
- RPG • Retrograde pyelogram
- Sp gr, SpG • Specific gravity
- TAH • Total abdominal hysterectomy
- TSE • Testicular self-exam
- TUR(P) • Transurethral resection (prostate)
- UA • Urinalysis
- UTI • Urinary tract infection



"And as amoebas, you'll have no problems recruiting other sales reps... just keep dividing and selling, dividing and selling."