

499721 Medical Terminology (NU-2557)

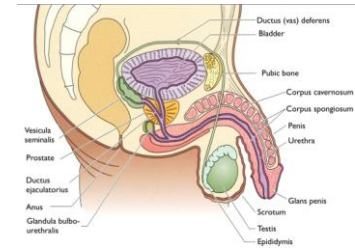
“Body Systems 3 (Repro, Endocrine)”

Natapol Supanatsetakul M.D., Ph.D.
Foreign Languages in Medicine Learning Support Unit
(FLM - LSU)
Department of Pathology
Faculty of Medicine, Naresuan University

16 ตุลาคม 2557

Male Reproductive System

- Area of study – specialist
- Structure and Function
- Signs and symptoms
- Lab investigation
- Diseases
- Medical & surgical procedures
- Medications



Male Reproductive System

1. Area of study – specialist

- **u**rology, uro**l**ogic **s**urgery, urosurgery
- **u**rologist, uro**l**ogic **s**urgeon
- genit**u**rinary system (GU)
- **g**enital = pertaining to reproductive, sexual organs

Male Reproductive System

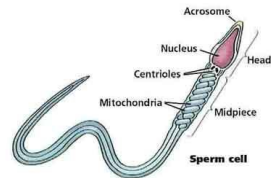
2. Structure and Function

- male **g**enital **o**rgan, male reproduct**u**ctive **o**rgan
- **p**enis, **p**repuce, foreskin
- **t**estis, testes (*pl.*), **t**esticles, **s**crutum
- **p**rostate gland
- sperm, sperm cell, spermato**z**oon, spermato**z**oa (*pl.*)

Male Reproductive System

2. Structure and Function

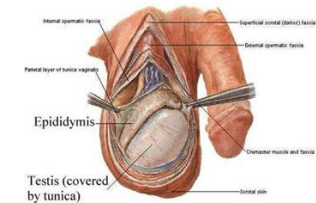
- cell division: meiosis
- spermatogenesis
- erection
- ejaculation, semen



Male Reproductive System

3. Signs and symptoms

- impotence
- narrowing (stricture) of the prepuce, phimosis (ฟ่าย-)
- impalpable testis
- abnormal testicular mass



Male Reproductive System

4. Lab investigation

- prostate-specific antigen (PSA) test
- semen analysis

Male Reproductive System

5. Diseases

- erectile dysfunction (ED)
- crypttorchidism, crypttorchism, retained testis, undescended testis [crypt/o=hidden, orchid/o]
- benign prostatic hyperplasia (BPH)
- prostatitis
- prostate cancer, adenocarcinoma of the prostate

Male Reproductive System

5. Diseases

- sexually transmitted diseases (STDs)
- gonorrh~~ea~~, gen~~ital~~ her~~pes~~, condyloma acuminatum, genital wart
- testicular ~~can~~cer, testicular carcin~~oma~~
- steriliz~~ation~~, sterile = infertile

Male Reproductive System

6. Medical and surgical procedures

- orchio~~pe~~xy, orchido~~pe~~xy, -pexy = surgical fixation
- ~~digital~~ ~~rectal~~ examina~~tion~~ (DRE)
- transure~~thral~~ re~~sec~~tion of the ~~pro~~state (TURP)
- circum~~ci~~sion
- va~~sec~~tomy, ~~pen~~ectomy
- castr~~ation~~, orchie~~ct~~omy, orchide~~ct~~omy, test~~ec~~tomy

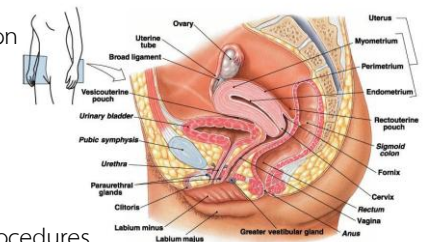
Male Reproductive System

7. Medications

- anti – ED, Vi~~agra~~[®] (sildenafil)
- antibi~~otic~~s, antibac~~ter~~ial, anti~~vi~~ral

Female Reproductive System

- Area of study – specialist
- Structure and Function
- Signs and symptoms
- Lab investigation
- Diseases
- Medical & surgical procedures
- Medications



Female Reproductive System

1. Area of study – specialist

- obstetrics – obstetrician
- gynecology – gynecologist
- OB-GYN
- midwifery – midwife, midwives (pl.)

Female Reproductive System

2. Structure and Function

- female genital organ, female reproductive organ
- vulva, vagina (colp/o)
- uterus (hyster/o), cervix (cervic/o), uterine cavity
- endometrium, myometrium [metr/o = womb]
- oviduct, fallopian tube, uterine tube (salping/o)
- ovary (oophor/o)
- egg, ovum (ov/o), oogenesis

Female Reproductive System

2. Structure and Function

- menstruation, men/o, period, menopause
- ovulation, sexual intercourse, coitus
- fertilization, implantation
- pregnancy, conception, to conceive (v.)
- nulligravida, primigravida (พริมา-), multigravida
- delivery, laboring, nullipara, primipara, multipara
- postpartum

Female Reproductive System

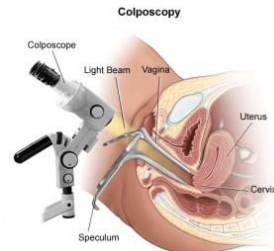
3. Signs and symptoms

- amenorrhea, oligomenorrhea, hypermenorrhea
- dysmenorrhea, menstrual cramp, painful periods
- abnormal vaginal bleeding
- leukorrhea, vaginal pruritus (itching)
- hyperemesis gravidarum

Female Reproductive System

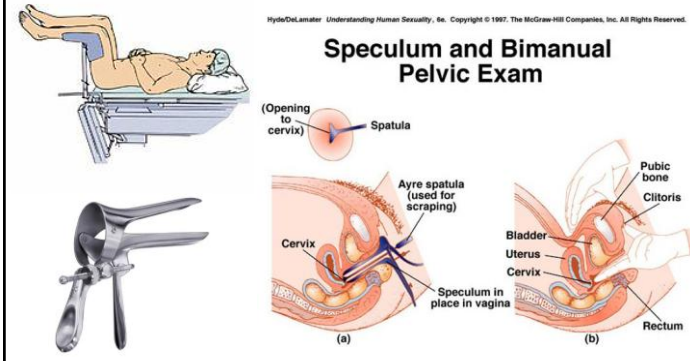
4. Lab investigation

- **p**elvic exam**i**nation (PV)
- col**p**oscopy, hystero**s**copy
- Pap smear, Papanicolaou test
- mam**m**ography, **m**ammogram
- pregnancy test, urine pregnancy test



Pelvic examination (PV)

- **l**ithotomy position, vaginal **s**peculum



Female Reproductive System

5. Diseases

- valvovagi**n**itis, cervi**c**itis, endomet**r**itis, salping**i**tis
- endomet**r**ial cyst, chocolate cyst, endometri**o**sis
- **c**ervical **c**ancer, endomet**r**ial carcinoma, leiomy**o**ma of **u**terus, o**v**arian **c**ancer
- ect**t**opic **p**regnancy, intra**u**terine **p**regnancy
- **a**bo**r**tion, spontaneous or criminal

Female Reproductive System

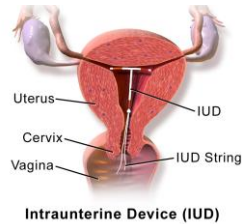
6. Medical and surgical procedures

- hystere**r**ectomy, salpinge**c**tomy, oophore**r**ectomy, total abdominal hysterectomy with bilateral salpingo-oophorectomy (TAH-BSO)
- amniocent**e**sis
- normal vaginal delivery (NVD), Cesarean section (C-section)
- bilateral tubal **l**igation, tubec**t**omy
- dil**a**tion (or dilata**t**ion) and curet**t**age (D&C)
- Assisted reproductive technology (ART) : In vitro fertilization (IVF), Gamete intrafallopian transfer (GIFT)

Female Reproductive System

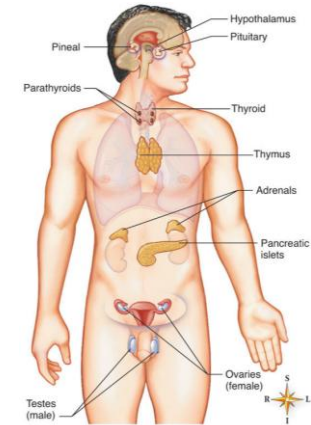
7. Medications

- oral contraceptive pill, birth control pill
- emergency contraceptives, post-coital pills
- intrauterine device (IUD)
- condom



Endocrine System

- Area of study – specialist
- Structure and Function
- Signs and symptoms
- Lab investigation
- Diseases
- Medical & surgical procedures
- Medications



Endocrine System

1. Area of study – specialist

- endocrinology – endocrinologist
- hormonology

Endocrine System

2. Structure and Function

- exocrine gland, endocrine gland
- pituitary
- thyroid
- parathyroid
- pancreas, islets of Langerhans
- adrenal, cortex, medulla



Paul Langerhans
1847-1888
German pathologist

Endocrine System

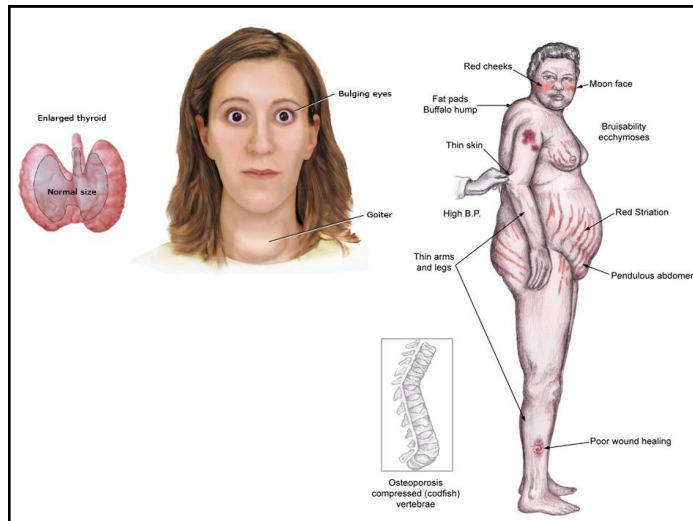
2. Structure and Function

- growth hormone (GH), somatotropin
- adrenocorticotropin hormone (ACTH)
- thyroid hormone, thyroxine
- parathyroid hormone, parathormone (PTH)
- insulin
- corticosteroid
- glucocorticoid, cortisol

Endocrine System

3. Signs and symptoms

- palpitation, tremor, tachycardia, sweating, diarrhea
- perspiration, transpiration, diaphoresis
- palpable neck mass, goiter, exophthalmos
- polyphagia, polyuria, polydipsia, weight loss
- truncal obesity, moon face, buffalo hump, abdominal striae, striae (pl.)



Endocrine System

4. Lab investigation

- thyroid function test (TFT, blood hormone level)
- fasting blood sugar (FBS)
- postprandial, post cibum (p.c.)



Endocrine System

5. Diseases

- hyperthyroidism, thyrotoxicosis
- hypothyroidism
- thyroiditis
- multinodular goiter, goitre (*british*)
- thyroid follicular adenoma, thyroid cancer
- hyperglycemia, diabetes mellitus (DM)
- diabetes insipidus (DI), antidiuretic hormone (ADH)



Endocrine System

5. Diseases

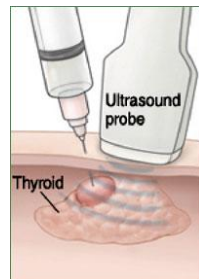
- Cushing syndrome
- abnormal growth:
 - gigantism, giantism, dwarfism
 - acromegaly



Endocrine System

6. Medical and surgical procedures

- thyroid fine needle aspiration (FNA)
- thyroidectomy
- parathyroidectomy
- pancreatectomy
- adrenalectomy



Endocrine System

7. Medications

- antithyroid drug
- radioactive iodine, radioiodine, I-131
- antidiabetic drug, oral hypoglycemic drug
- insulin injection
- corticosteroid

