

رَوَح

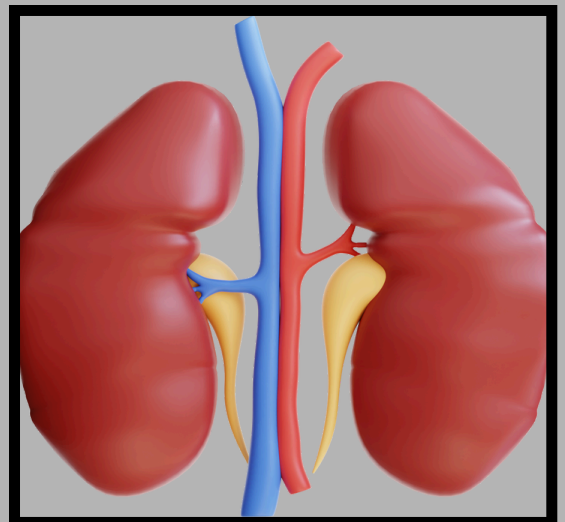
Urogenital system
Mid

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Anatomy:

1. Which of the following structures lie posterior to hilum of kidney?

- A. Suprarenal gland**
- B. Transversus abdominis**
- C. Quadratus lumborum**
- D. Pancreatic tail**
- E. Psoas major**

Answer:e

2. The pudendal nerve supplies:

- A. Ovaries**
- B. Testis**
- C. Urethra vesicae**
- D. Levator ani**
- E. Deep and superficial perineal muscles**

Answer:e

3. The principal artery of pelvis begins at level of:

- A. L4**
- B. L5**
- C. IV disc L5-S1**
- D. IV disc L3-L4**

Answer:d

4. The ascent and descent of the testis occur by

- A- cremasteric fascia**
- B- internal spermatic fascia**
- C- external spermatic fascia**
- D- tunica vaginalis**
- E- dartos muscle**

5. Corpus spongiosum supplied by ?

- A. Dorsal nerve of the penis**
- B. deep nerve of the penis**
- C. nerve of the bulb**
- D. nerve of the bulb & dorsal nerve of penis**
- E. perineal branch of the pudendal nerve**

6. Pudendal canal open within which structure ?

- obturator fascia**

7. principle pelvic nerve arise from ?

- A. IV L3 & L4**
- B. L4**
- C. L5**
- D. IV L4 & L5**
- E. IV L5 & S1**

Answer:e

8. which one of the following not insertion for levator ani :

- A) symphysis pubis**
- B) anococcygial body**
- C) perineal body**
- D) anorectal junction**
- E) coccyx**

Answer:a

9. uvula related to what ??

- A) apex of the bladder**
- B) fundus of bladder**
- C) trigone**

Answer:c

10. internal iliac on :

- A) L4 / L5 IV disc**
- B) L5 / S1 IV disc**

Answer:b

11. inferior hypogastric plexus receive from ??

- A) pelvic splanchnic & hypogastric**
- B) pudendal & iliohypogastric**

12. arterial supply of corpus spongiosum :

- A) dorsal**
- B) bulb**
- C) dorsal and bulb**
- D) deep**

Answer:c

13. separate posterior part of prostate from ampulla of rectum :

- A) rectovesical septum**
- B) pubovesical ligament**
- C) puboprostatic ligament**

Answer:a

14. from broad ligament , lateral between ovary & ovarian artery :

- A) mesovarium
- B) round ligament of ovary
- C) suspensory ligament of ovary
- D) mesosalpinx

Answer:c

15. all of the following are perineal body muscles except :

- A) deep transvers muscle
- B) superficial transverse
- C) external anal sphincter
- D) bulbospongiosus
- E) ischiocavernosus

Answer:e

Biochemistry:

1. A patient diagnosed with a disease related to immunity. Treatment regimen is directed to inhibit ribonucleotide reductase. What is the function of this enzyme?

- A. Xanthine --> uric acid
- B. Guanine --> xanthine
- C. Ribonucleotide --> deoxyribonucleotide
- D. AMP --> IMP
- E. PRPP --> phosphoribosylamine

Answer: c

2. A young patient is suffering from megaloblastic anemia without other obvious clinical manifestations. Urine test is done, which shows high level of orotate. The probable underlying cause is deficiency of orotate-phosphoribosyltransferase. Which substance should be administered to control the condition?

- A. Thymidine
- B. Uridine
- C. PRPP
- D. Glutamine
- E. PRPP synthetase

Answer:b

3. why in urinalysis the specimen should not be examined after two hours?

- A. RBC agglutination
- B. bacteria make the urine alkaline
- C. leukocyte casts
- D. increase bilirubin
- E. form ketones

4. Patient transfused with blood during and after surgery, what is his state ?

- A)metabolic alkalosis
- B)metabolic acidosis
- C)respiratory alkalosis
- D)respiratory acidosis

5. Patient with loss of bicarbonate .. (metabolic acidosis) how to compensate ?

Hyperventilation

6. WBC cast seen in ?

- A)cystitis
- B)urethritis
- C)pyelonephritis
- D)prostitis

7. Not a source for denovo synthesis of purine ?

- A)CO
- B)arginine
- C)glycine
- D)aspartate

Microbiology:

1. Which of the following concerning HPV vaccine is wrong?

- A. Given to males & females of 9-14 years of age in 2 doses regimen
- B. Given to females only of 9-14 years of age in 2 doses regimen
- C. Given to males & females of 15-26 years of age in 3 doses regimen
- D. Given to immunocompromised males & females in 3 doses regimen
- E. Given to males & females in 3 doses regimen if they begin vaccination after 27 years of age

Answer:b

2. Choose the correct statement about phthirus pubis:

- A. It is a temporary ectoparasite that leaves body in case of fever
- B. Is type of mites
- C. Results in blepharitis
- D.treated by praziquantel
- E. Larva resembles the shape of adults

Answer:c

3. UTI is diagnosed routinely without urine culture. All of the following are indications for urine culture except:

- A. Suspicion for pyelonephritis**
- B. History of recurrent UTIs**
- C. Unclear urin analysis**
- D. For non-resolving cases even with antibiotic treatment**
- E. Typical symptoms of uncomplicated cystitis with hematuria**

Answer:e

4. one of the following is feature of primary syphilis ?

- A. chancer**
- B. PDI**
- C. lymphadenopathy**
- D. maculopapular rash**

Answer:a

5. what is incorrect related to chlamydia?

- A) elementary body are infective stage**
- B) reticulate body proliferate by division in endosome**
- C) elementary body are metabolically active**
- D) reticulate body end cycle by cell lysis**

Answer:c

6. related to schistosoma ?

- A) rodents are reservoir**
- B) ova with terminal spine are infective stage**
- C) carcinogenic**

Answer:c

7. Trichomonas Vaginalis treated with ?

- A. Oral metronidazole**
- B. Parental metronidazole**
- C. Azole**
- D. ketoconazole**

Answer:a

8. Tricomonas Vaginalis transmitted by?

- A. inhalation**
- B. from mother during birth**
- C. ingestion**

Answer:b

9. Cause of condyloma lata

A. Sprochete

10. all an indication of uti culture test except:

A. Hemorrhage with typical uncomplicated

11. leukocytic cast means :

A) pyelonephritis

B) urethritis

Answer:a

12. true about HIV :

A) cant attach to CD4 cell surface by spikes

B) has dsDNA

C) retroviridae family

D) HIV-2 most common worldwide

Answer:c

13. HPV related to cervical cancer :

A) HPV 18

B) HPV 11

C) HPV 6

Answer:a

14. false about gonorrhea :

A) 50 % risk in women

B) more in homosexual than heterosexual

C) dissemination in men very common

Answer:c

Pathology:

1. What is the true about "nephrogenic rests" in kidney tumors?

A. Presence of nephrogenic rest indicates higher risk of wilms tumor development in the contralateral kidney

B. Nephrogenic rest in histology resembles sclerotic masses

C. It is not important to document presence of nephrogenic rest in the resected sample of kidney

D. They are precursor lesions of clear cell carcinoma

Answer:a

2. Which of the following is wrong about membranous GN?

- A. Usually presents in adults between age of 30 to 60 years and follows an indolent and slowly progressive course**
- B. Diffuse thickening of basement membrane is seen on LM**
- C. EM study shows subepithelial and intramembranous electron dense deposits**
- D. IF study shows finely granular pattern of IgM & complement deposition**
- E. It presents clinically either with proteinuria rarely with hematuria**

Answer:d

3. The genetic mutation that is highly related to prostate cancer is:

- A. TMPRSS2-ETS**
- B. P53**
- C. RB**
- D. KRAS**
- E. BRCA**

Answer:a

4. Which of the following statements is wrong about prostate cancer?

- A. May have vascular invasion**
- B. PSA stain is positive in malignant prostatic carcinoma**
- C. In histology, it shows well defined small glands with patent lobules inside them**
- D. Tends for bone metastasis**
- E. After metastasis, PSA immunostain becomes negative for the metastatic mass**

Answer:e

5. A female patient of 60 years old comes to hospital complaining from irritation and itchiness in her vulva. Physical examination reveals 1-2 cm white plaques, so a biopsy is taken for further examinations. In histology, the specimen appears to have thinning of epidermis with fibrosis of dermis and perivascular inflammatory cell infiltrate. What is the most likely diagnosis?

- A. Lichen sclerosis**
- B. Squamous cell carcinoma**
- C. Lichen simplex chronicus**
- D. Extramammary paget disease**
- E. Condyloma acuminatum**

Answer:a

6. Choose the correct statement concerning yolk sac tumor of testis:

- A. The second most common primary testicular tumor in children**
- B. Treated by orchiectomy among children**
- C. In adults, it is admixed with ...**
- D. It has α 1-antitrypsin as biomarker**

Answer:d

7. What of the following glomerular disease associated with HIV , Heroin addiction, sickle cell disease?

-FSGS

8. One of the following develop end stage renal disease

- A- polycystic
- B- horseshoe kidney
- C- floating kidney
- D- ectopic kidney

Answer:a

9. which of the following are false :

- A) most of polycystic kidney disease caused by polycystin 2
- B) aquired PKD
- C) aquired may progress to carcinoma
- D) recessive PKD caused by fibrocystin

10. false about membranous :

- A) proliferation and thickning of all glomeruli in IF
- B) EM ; subendothelial & intermemembranous depositions

Answer:b

11. patient come with neurodifness , in EM has basket apperance ,which disease ??

- A) alport **

Embryology:

1. Kidney found in pelvis in ?

- A. cake kidneys
- B. polycystic kidney
- C. mobile kidney
- D. kidney agenesis
- E. ectopic vesica

Answer:a

2. Failure of migration of primordial germ cell

- A- gonadal dysgenesis

3- inner aspect of urinary bladder is exposed below umbilicus

- A- ectopia vesica

4. Female come to clinic suffer from amenorrhea, she has lower vagina without cervix and ureter and upper vagina

- A- atresia of paramesonephric
- B- atresia of mesonephric
- C- female pseudohermaphrodites

5. Ectopic vasica:

- A. the interior of the bladder is exposed under the umbilical

Physiology:

1. The hormone stop ovulation in lactating women?

- A. oxytocin inhibit GnRH
- B. oxytocin inhibit FSH
- C. prolactin inhibit GnRH
- D. prolactin inhibit FSH

Answer:d

2. What is correct about corpus luteum?

- A. a gray whitish color
- B. begins to atrophied in 2nd month of pregnancy
- C. secreting hormones in early pregnancy when stimulated by hormone of pituitary gland
- D. secrete hormones in second part of menstrual cycle

3. Release of testosterone (at 7th and 8th week of pregnancy) due to ?

-Chronic gonadotropin

Regarding GFR and regulating factors , all true except :

- A)GFR is directly proportional to the RBF.
- B)GFR is inversely proportional to glomular pressure
- C)GFR is inversely proportional to colloid osmotic pressure in glomerular capillaries
- D)GFR is is inversely proportional Bowman's capsule pressure
- E) GFR is reduced if the glomerular surface area available for filtration is decreased

4. Regarding auto regulation in kidney , one is false :

- A) This is an intrinsic mechanism in the kidney that keeps GFR and RBF nearly constant despite changes in mean ABP between 80 – 160 mmHg.
- B)When the ABP rises from 100 to 160 mmHg constriction (narrowing) of afferent arterioles
- C) When the ABP rises from 100 to 160 mmHg under only tubuloglomerular feedback
- D) When the ABP rises from 100 to 160 mmHg, the increase of Na^+ and Cl^- concentrations by macula dense

5. Regarding inulin clearance , all true except:

- A) concentration in plasma= its concentration in glomerular filtrate)
- B)It is neither reabsorbed nor secreted in the renal tubules
- C) filtered/minute=the amount excreted in urine/minute.
- D) Determination of creatinine clearance can also be used for estimating RBF

6. Regarding mechanism of urine concentration, all true except:

- A) the production and maintenance of a state of hyperosmolality (hypertonicity) in the renal medullary interstitium (MI)
- B)urea diffuse from collecting duct under ADH
- C) Na^+ and Cl^- diffuse passively in thin ascending segments
- D) carrier that transports one Na^+ , one K^+ & 2 Cl^- in thick descending

7. Forces mediating glomular filtration,one is false :

- A)GFR receives 1/3 of RBF
- B)net filtration pressure =12.5ml/mmHG/min
- C)peritubular reabsorption 124 ml/min
- D)urine volume = 1ml/second

8. true about recurrent system :

- A) active transportation of ions in distal part of loope of henle ***

9. true about forces of filtration :

- A) colloid pressure in capsule = 18
- B) capillary hydrostatic pressure = 60 and it is highest pressure in body ***
- C) colloid osmotic pressure = 28
- D) Net filtration pressure = 12.5

Pharmacology:

1. which of the following drug doesn't interact with thiazide?

- A. lithium
- B. sulfonylurease
- C. cisplatin
- D. NSAID
- E. cardiac glycoside

Answer:c

2. competitive inhibitor of oxytocine :

- A) sulbutamol**
- B) dedruline**
- C) atosiban**
- D) nifedipine**
- E) terbutaline**

Answer:c

3. Which of the following is true :

1) dutasteride is more effective than finasteride for treating male pattern baldness **

4. which of the following is incorrect:

- a)oral contraceptives (mini pill) given to lactating women**
- b)triphasic oral contraceptive contains estrogen , progesterone and LH**
- c) Monophasic combination pills contain constant dose of ethinyl estradiol and levonorgestrel**
- d) Progestin only pills are useful during breast-feeding**

ans:b

5. All of the following are toxic effects of anabolic steroids , except:

- a) decreases spermatogenesis**
- b) cardiovascular disease**
- c) cholestatic jaundice**
- d) psychological effects (psychosis and addiction)**
- e)causes male breast cancer**

ans: (e)

2. All of the following statements are true about contraceptive pills except:

C. Triphasic combinatiom pills contain estrogen, progestin and LH

Answer:c

Histology:

1. what is the appropriate function of zonula occludens in sertoli cell ?

- A. supporting**
- B. protect spermatozoa from autoimmune attack**
- C. Nourishment to sperm**
- D. Special environment for development**

Answer:b

2. True about spermatozoa:

- A. head of spermatozoa contains hydrolytic enzymes that facilitate penetration of oocyte**

3. false match :

- A) podocyte // visceral layer of bowmans // secondary pedicles encircle slits**
- B) DCT / 8-5 cuboidal layers // has no brush border**
- C) lacis cells // blood barrier**

Answer:c

4. false about cells of lydig ??

- A) present in seminephrous tubules**