

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

UGS-Mid Exam-2012

Physiology – Dr.Yanal

- 1) Wrong About minimal Urine output -----> Excessive sweating decrease it by 100
- 2) Doesn't make sense in a routine lab examination of urine -----> PH = 3
- 3) increase in inulin plasma concentration -----> increases ONLY Filtered load ($GFR * P(in)$)
- 4) 50 yo male with asymptomatic hematuria and normal creatinine plasma conc, what u recommend for him:
 - a- needs full investigations
 - b- normal and don't have to be afraid from
 - c- no need for further investigations
- 5) pH=7.6, CO₂= 40mmHg: HCO₃ = 40
- 6) something about the kidney's ability to concentrate the urine being affected by diet
- 7) in micropuncture technique, clearance of inulin in any studied segment indicates the renal GFR
- 8) true :
conc of Na remains constant after reabsorption throughout the length of the PCT

9) after taking a sample of titrable acids , the conc of NH₄ in urine is not affected due to:

PKa = 9.2

(answered by dr.yanal)

10) sb ingested large amount of acids, the renal compensation for that will be:

a- hyperventilation

b- increase production of ammonium

c- increase excretion of H in free form

11) true:

minimal urinary output 300ml/ m² body surface area / day for an adult

Anatomy:

1. Failure of fusion of the caudal part of Mullerian duct Uterine Congenital defects
2. About renal arteriogram Accessory segmental A. >>>> From aorta (T) No mixing of blood (T) main segmental A.'s are less than usual (T) >>>>> All of the above
3. All from mesonephric duct except >>>> Appendix of testis
4. Wrong statement >>>>> both Testis & epididymis posses an appendix that is derived from mesonephric duct
5. Folley's Catheter can be introduced to a patient with hypospadius
6. 2n + 23 double DNA -----> sec. spermatocyte
7. True statement Suckling induces ... milk ejection & uterus contractions etc.
8. female true pelvis, >> it's shorter than the male's and its inlet and outlet are wider
9. all have dual origin except " cervix"
10. CT scan of lower abd, wrong statement: rt kidney is directly related to liver

11. what is not one of the posterior relations of the rt kidney:
- 1- rib 12 with diaphragm in between
 - 2- parietal pleura with diaphragm in between
 - 3- subcostal nerve without diaphragm
 - 4- 2 nerves with the same root value
 - (5) TWO arcuate ligaments (??)
12. wrong statement: estrogen released into the antrum of an ovarian follicle upregulates LH receptors on granulosa cells (not sure)
13. which cell in the ovary is the equivalent of a leydig cell: theca interna cells
14. wrong statement: something about the whole asc. loop of henle passively resorbing solutes
15. section through uterus: shows the secretory phase (coz of tortuous glands) which is true: requires progesterone secretion to be maintained
16. after extravasation of urine due to traumatic tear of penial bulb, urine may accumulate in all of the following sites except:
- (a) ischiorectal fossa
 - b- body of the penis
 - c- ant side of the scrotum
 - d- lat side of the scrotum
 - e- ant abd wall
17. wrong statement: external spermatic fascia covers the whole spermatic cord
18. True statement about Prostate: Direct connection between veins of prostate and vertebral venous plexus.
19. True statement : (((invasive))) Carcinoma of cervix can affect the ureter

20. all true about female breast except:
21. >>> carcinoma of breast can metastasis to anterior and posterior group of axillary LN but never can reach lateral and central groups
22. all true except;>>> polycystic kidney disease in infants arise from all parts of the nephron (not sure 100%)
23. the cell of the testes that provides mechanical and nutritive support for developing sperms is controlled by...
- a- Inhibin, fsh
 - b- Lh only
 - c- Fsh only<<
 - d- Lh and estrogen

Physiology - 5resha

1. wrong:
human sexual behavior is not conditioned by social and psychic factors
2. Oral contraceptives >> Suppress ovulation
3. Not related to impotence Sterility
4. most common cause of female infertility : failure to ovulate
5. factors needed to produce estradiol in males: leydig, sertoli, FSH, LH
6. what induces labour:
 - a- fetal ACTH
 - b- maternal ACTH
 - c- prostaglandines
7. figure, Num. 1: FSH.

8. wrong:
9. testosterone levels increase in male in intrauterine life then decrease after birth to reach ZERO levels then increase at puberty

Micro - Tassan & Azmi:

- 1) Wrong ----> Tr.Vaginalis transmitted by cysts.
- 2) Wrong -----> Mercadian infects human.
- 3) Wrong about Schistosoms -----> Basophelia
- 4) wrong statement... HSV is almost always symptomatic and mainly transmitted transplacentally
- 5) what is not teratogenic: hep. B
- 6) genital ulcers: something about having equal predominance in males and females
- 7) what doesnt affect the incidence of cervical cancer
 - a- pap smear
 - b- type of HPV
 - c- environmental/genetic factors
- 8) wrong statement: immunity to CMV is premenent (not sure)

Pharma:

- 1) Efficacy decrease in few days Acetazolamide (?)
- 2) low Na diet being advised when giving diuretics so as to decrease the amount of Na reaching the macula densa

****وَمَا تَوْفِيقِي إِلَّا بِاللَّهِ عَلَيْهِ تَوَكَّلْتُ وَإِلَيْهِ أُنِيبُ****