Exam 2 previous

1. Endocardium : smooth for blood flow in heart
2. The perkunji fibers are attached via gap junctions and myocytes
3. Fist sound of heart is tricuspid bicuspid ”mitral” valves closure
4. Second sound of the heart is sinoatrial valves closure
5. Contraction and Relaxation of heart is Systole and diastole respectively
6. Protein in urine is proteinuria
7. If you find albumin in urine it means there is a problem with glomerular filtrate
8. In normal people, Glucose is all reabsorbed, nothing found in urine
9. In normal, Protein is never found in glomerular filtrate, others like bicarbonate, sodium, urea etc. are found in GF
10. More angiotensin in blood, no thirst stimulation
11. Increase in renin causes decrease in Na+ excretion and increase in k +excretion
12. Increase blood pressure when heart is systole
13. Stroke volume increases if we Increase preload, Decrease after load, increase heart contraction
14. Cells that will become spermatozoa are spermatogonium
15. Sperm cells are produced in the seminiferous tubules
16. When u increase contraction in cardiac muscle, it has more plateau than skeletal muscle
17. Pathway of sperms: Seminiferous tubule>Rete testis > efferent ductules, >epididymal duct> vas deferens> ejaculatory duct> urethra
18. Leydig cells do not produce Misingeal inhibitors (MIS)
19. Sertoli cells do not produce testosterone
20. If last day of menses was January 2, and first day of 2nd menses was February 3, when was the ovulation? Answer: February 3 minus 14 = January 20
21. P wave is atria contraction
22. T wave is ventricular repolarization (systole)
23. FSH rises at initial follicular phase
24. A question about positive feedback **inhibition** and negative feedback **stimulation**. Answer: none of the above. Because they don’t make sense!
25. SA node>AV node>His bundle>perkunji fibers
26. The pressure of afferent arteriole affects the glomerular filtration rate
27. Menstruation>follicular proliferation>ovulation>luteal phase
28. The Increase in venous pressure and atrial pressure causes ANP to be secreted and causes decrease in Na+ reabsorption and thus increase in NA+ excretion
29. The GFR increases when the arterial pressure of the glomerular capillaries increase
30. Arousal>Erection> ejaculation>orgasm>resolution
31. The female menstruation release approximately 30 ml
32. Meiosis 2 in female happens when sperm penetrates the egg
33. All involved in breastfeeding like dopamine, PRF, oxytocin, prolactin. ESTROGEN isn’t involved
34. LH stimulate Theca cells to synthesize ANDROGENS
35. Heart rate (HR) is the how many beats per minute
36. The action potential of the electro signals in the heart act by “their own selves”
37. Cardiac output is the volume of blood from ventricle per one minute
38. The heart enters deoxygenated blood and pumps out blood rich with CO2
39. The electrolytes in GF equals to electrolytes in plasma
40. FSH stimulate granulosa cells to release estrogen
41. Clearance to measure GFR, should be non-metabolized, nontoxic non everything…

You have to know that if GFR>clearance it means reabsorption happening

If GFR<clearance it means secretion happening

Role of sertoli cells

Major feedbacks of estrogen, inhibin, progesterone

I wrote the questions I remembered, there are still 10 questions that I can’t remember but they are easy.

وقال صلى الله عليه وآله**: (من يزرع خيرا يوشك ان يحصد خيرا)**.
قال الإمام أمير المؤمنين علي بن أبي طالب عليه السلام: **(عليكم بأعمال الخير فتبادروها، ولا يكن غيركم أحق بها منكم)**.
وقال عليه السلام**: (فعل الخير ذخيرة باقية، وثمرة زاكية)**.
وقال عليه السلام: **(بادروا بعمل الخير قبل ان تشتغلوا عنه بغيره)**.
وقال عليه السلام: **(افعلوا الخير ولا تحقروا منه شيئا، فإن صغيره كبير، وقليله كثير)**.

وقال عليه السلام**: (لا تصغر شيئا من الخير، فإنك تراه غدا حيث يسرك)**