Anatomy I – Dr. Nelson – Chapter 27, Reproduction – Study guide

Male: Read: pg. 1024-1032 (to Spermatogenesis)

Complete, “Check Your Understanding” Nos. 1,2,3 pg 1028; Nos. 4,5,6,7 pg. 1030; Nos. 8,9,10 pg. 1031; Nos. 11 & 12 pg 1032

The student should be able to:

1. Explain the function of reproduction.
2. Identify the primary sex organs/gonads of the male and female.
3. Identify the skin sac the testes occupy.
4. Identify the names of the sex cells/gametes of male and female.
5. Identify the first cell of an embryo after the sperm and ova unite.
6. Explain what male and female gonads produce in addition to gametes.
7. Identify, what reproductive structures, other than the gonads, are called.
8. Identify the optimum temperature for the testes to produce viable sperm.
9. Explain the function of the cremester muscle.
10. Describe the role of the dartos muscle.
11. Name and describe the two tunics surrounding the testes.
12. Identify the wedge shaped divisions of the testes.
13. Describe seminiferous tubules and explain their function.
14. Explain where the interstitial cells are found and describe their function.
15. Give another name for the interstitial cells.
16. Identify the testicular ducts in their order of transporting sperm from proximal to distal.
17. Describe the pathway or the sperm from the seminiferous tubules to the external urethral orifice.
18. Describe the ductus deferens.
19. Describe the epididymis and the path it follows.
20. Describe the location of the seminal vesicle gland and provide its function.

21. Describe the shape and position of the prostate gland.

22. Define hyperplasia.

23. Explain what problems and symptoms occur from hyperplasia of the prostate gland.

24. Explain what the number two cause of cancer deaths is in men.

25. Describe the shaft of the penis naming the three columns of erectile tissue.

**Anatomy of the female reproductive System**

Read pages: 1040-1048

Complete “Check Your Understanding” Nos. 19,20,21 pg. 1042; Nos. 22,23,24 pg. 1046; Nos. 27,28 pg. 1049

26. Describe the functions of the female reproductive system

27. Identify the two things that are produced by the female reproductive system.

28. Identify the accessory organs of the female reproductive system.

29. Describe the size, shape and location of the ovaries.

30. Identify and describe the three pair of ligaments that support the uterus.

31. Describe germinal epithelium and give its function.

32. What is the function of FSH/follicle stimulating hormone.

33. Describe an ovarian follicle.

34. Describe a graffian/vesicular follicle.

35. Describe what occurs to the graffian follicle during ovulation.

36. Describe the corpus luteum and explain its function after ovulation.

37. Describe the uterine/fallopian tubes identifying the four major sections.

38. Describe the uterus and give its functions.

39. Identify and describe the location of the supporting ligaments of the uterus.

40. Identify the three tissue layers of the uterine wall from deep to superficial.
41. Identify the two layers of the endometrium.

42. Explain what occurs to the stratum functionalis during pregnancy and what occurs to the stratum functionalis after menstruation if pregnancy does not occur.

43. Explain the role of the stratum basalis after menstruation.

44. Identify the tissue layer that makes up the bulk of the uterus and explain its function.

45. Describe: 1. mons pubis; 2. labia majora; 3. labia minora; 4. clitoris; 5. prepuce; 6. vestibule; 7. glands.

46. Describe how the mammary glands are compartmentalized into lobes.

47. Describe and provide the function of the suspensory ligament.

48. Identify the tissue that produces milk.

49. Describe the structure of the mammary glands identifying the different structures from the milk production in the alveoli to being exited through the nipple.