EXAM NUMBER_

STRUCTURAL BASIS OF MEDICAL PRACTICE **EXAMINATION 3**

September 21, 2006

PART I. Answer in the space provided. (8 pts)

Identify the region. (0.5 pt) 1.

a Right Hypondeine

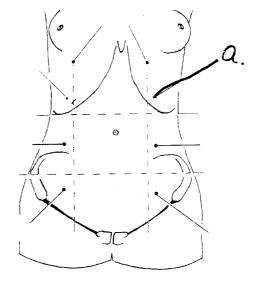


Figure 4.03. The nine abdominal regions.

Identify the structures. (1 pt) 2.

a. Dirph (agm b. Lateral femaral cutoreus nour)

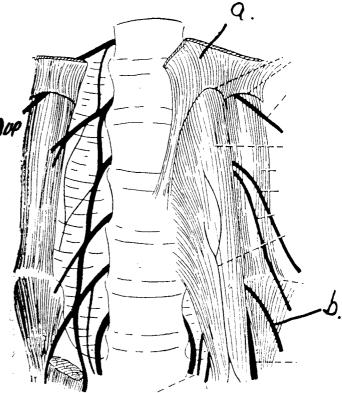
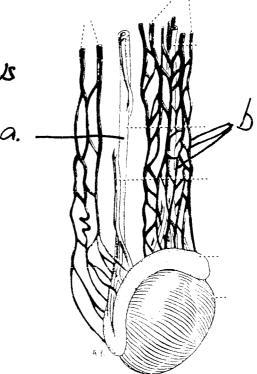


FIGURE 25-2. The lumbar plexus 3.

a. VDS (ductys) defecters

b. Pampiniform plexus of verius

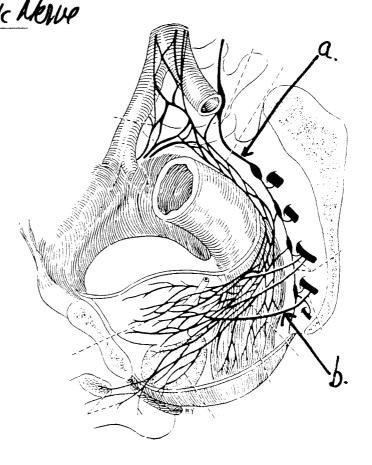


4.

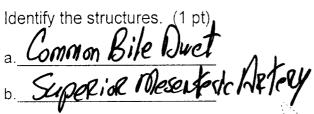
a. Sympathetic Trust

b. Pelvic Splanchale Menue

FIGURE 26-6. Blood supply of the testis.



5.



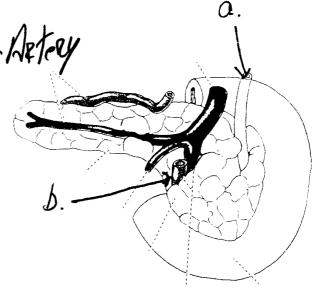


FIGURE 24-19. Posterior view of the pancreas.

6. Identify the structures. (1 p

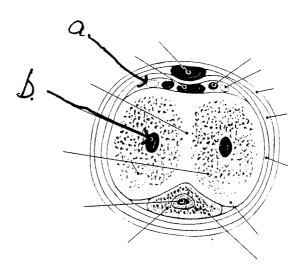
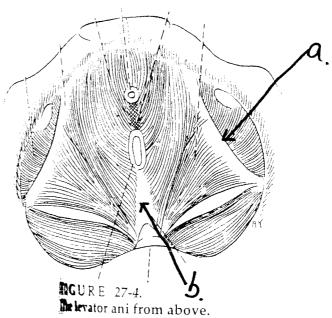


Figure 5.09. Transverse section through the body of the penis.

7. Identify the structure. (1 pt)

Decus fendineus



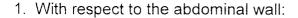
a. Periven body Centrol Endon

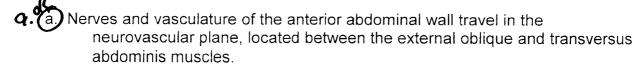
b. Steplan Bestol Vesses

c. Deep Delony of Clifunis

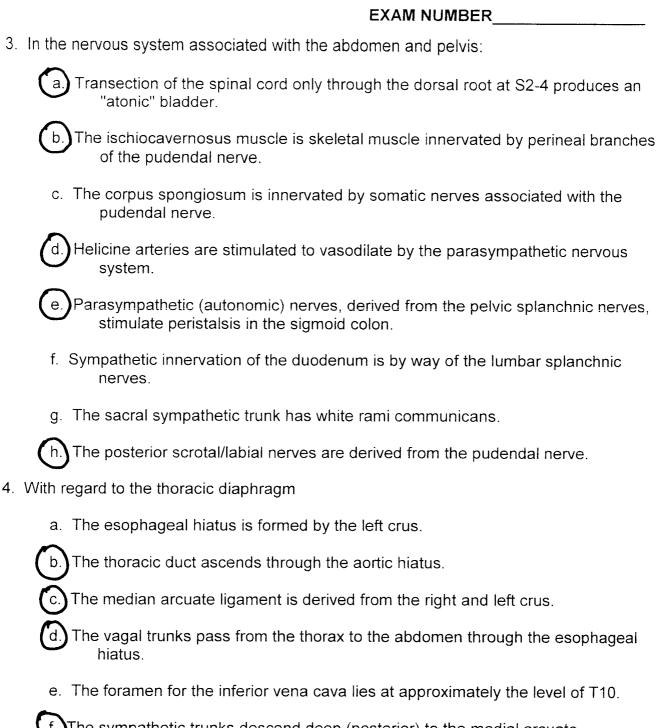
FIGURE 28-23. Nerves and vessels of the female perineum.

Part II. Circle the correct answer. All, none, or some may apply. (26 pts)





- (b) The paraumbilical veins in the anterior abdominal wall drain, in part, to the superficial epigastric vein.
 - c. Scarpa's fascia continues into the penis as Buck's fascia.
 - d. The suspensory ligament is a specialization of tela subcutanea.
- e. The paraumbilical veins drain, in part, to the portal vein.
- f.) The internal oblique muscle arises, in part, from the lateral two-thirds of the inguinal ligament.
- g. The umbilicus and the iliac crest are at the level of approximately L4.
- h. The pectineal ligament is derived from the inguinal and lacunar ligaments.
- 2. With respect to the abdominal vasculature:
 - (a) The portal vein is formed posterior to the neck of the pancreas.
 - b. The inferior vena cava is formed by the junction of the two common iliac veins at about the level of L5.
 - c. The ovarian arteries are branches of the anterior division of the internal iliac artery.
 - d. The middle suprarenal arteries arise from the aorta at or superior to the origin of the renal artery.
 - e The left renal vein drains into directly into the inferior vena cava.
 - f. The renal arteries arise just inferior to the inferior mesenteric artery.
 - g. The short gastric arteries are located in the gastrolienal ligament.
 - h. The anterior, but not the posterior, superior pancreaticoduodenal artery is intraperitoneal.



- f. The sympathetic trunks descend deep (posterior) to the medial arcuate ligaments.
 - g. The azygous and hemiazygous veins pass through the aortic hiatus.
- The lumbocostal trigone is a potential area of weakness just superior to the lateral arcuate ligament.
- 5. With respect to the fascia of the abdomen, pelvis, and perineum:
 - a. The superior, but not the inferior, fascia of the urogenital diaphragm is considered parietal pelvic fascia.

- The arcus tendineus is a specialization of the obturator internus fascia. The inferior surface of the thoracic diaphragm is associated with transversalis fascia. d. The periprostatic fascia is a specialization of the parietal pelvic fascia. e. The visceral pelvic fascia forms the renal fascia. The Cardinal ligaments are specializations of the visceral pelvic fascia.
 - g. The pudendal canal is formed by parietal pelvic fascia.
- h.) The perirenal fat is derived from extraperitoneal connective tissue.
- 6. With regard to the abdomen, pelvis, and perineum:
 - The sacrum is composed of 5 vertebrae.
 - b. The pelvic outlet is formed by the superior aspect of the pubic symphysis, the pelvic brim, and the sacral promontory.
 - c. In females, the greater (false) pelvis is shallower than in males.
 - d. The trigone of the bladder is formed by detrusor muscle.
 - e. The artery of the ductus (vas) deferens is derived from the inferior epigastric artery.
 - f. Venous drainage superior to the pectinate line is to the inferior rectal veins.
 - g. The prostatic sinus is located on the seminal colliculus.
 - h. The "puborectal sling" refers to the pubococcygeus muscle.
 - i. The caudate lobe and the left half of the quadrate lobe of the liver are part of the structural vascular distribution of blood vessels of the left lobe.
 - j. The umbilical arteries carry oxygenated blood to the fetus.
 - The superior mesenteric vessels arise superior to the 3rd part of the duodenum.
 - The duodenal cap does not contain plicae circulares.