

ABDOMEN 1

You are supposed to learn about:

1. Abdominal regions, reference planes and quadrants
2. Surface anatomy of anterolateral abdominal wall
3. Boundaries of the anterolateral abdominal wall
4. Fascia of the anterolateral abdominal wall
5. External oblique abdominis muscle – anatomy, attachments, actions, innervation
6. Internal oblique abdominis muscle – anatomy, attachments, actions, innervation
7. Transversus abdominis muscle – anatomy, attachments, actions, innervation
8. Rectus sheath, linea alba, umbilical ring, umbilicus – anatomy, functions, topography
9. Rectus abdominis muscle – anatomy, attachments, actions, innervation
10. Pyramidalis muscle – anatomy, attachments, actions, innervation
11. Functions and actions of anterolateral abdominal muscles
12. Nerves of anterolateral abdominal wall, dermatomes of anterolateral abdominal wall
13. Vessels of anterolateral abdominal wall
14. Internal surface of anterolateral abdominal wall – umbilical folds, suprapubic fossae, medial and lateral inguinal fossae
15. Inguinal ligament and iliopubic tract
16. Inguinal canal – anatomy, boundaries, inguinal rings, contents, development, clinical importance (you do not have to learn about contents of the spermatic cord and anatomy of the testis)

Always read the relevant clinical blue boxes to have an idea about clinical significance of structures you learn about.

In the dissection room, you are supposed to recognize:

1. Abdominal regions, reference planes and quadrants, relevant surface landmarks
2. Umbilicus, epigastric fossa, linea alba, semilunar lines, inguinal grooves
3. Subcutaneous tissue: superficial fatty layer (Camper fascia), deep membranous layer (Scarpa fascia), investing fascia, endoabdominal fascia, transversalis fascia, extraperitoneal fat
4. External oblique muscle and its aponeurosis
5. Internal oblique muscle and its aponeurosis
6. Transversus abdominis muscle and its aponeurosis
7. Anterior rectus sheath, posterior rectus sheath, arcuate line
8. Rectus abdominis muscle, tendinous intersections, pyramidalis muscle
9. Thoracoabdominal nerves and their cutaneous branches
10. Paraumbilical veins, thoracoepigastric vein, superficial epigastric vein
11. Posterior intercostal vessels, subcostal vessels, superior epigastric vessels, inferior epigastric vessels, superficial circumflex iliac vessels, superficial epigastric vessels
12. Median umbilical fold, median umbilical ligament, medial umbilical fold and medial umbilical ligament, lateral umbilical fold
13. Suprapubic fossae, medial inguinal fossae, inguinal triangles, lateral inguinal fossae

14. Inguinal ligaments, lacunar ligament, pectineal ligament, reflected ligament
15. Superficial inguinal ring: medial crus, lateral crus, intercrural fibers, inguinal falx, deep inguinal ring
16. Spermatic cord, round ligament of the uterus

Always investigate the topography of structures!