

## Unit 31: Topographic anatomy: **Retroperitoneum & posterior abdominal wall**

### Guide for the practical class using Anatomedia online

#### **Retroperitoneal region: wall and openings**

1. Go to An@tomedica, **abdomen** module-regions-frame: **16** (Posterior abdominal wall: Layers and contents)
  - Click on underlined text to list posterior abdominal wall muscles and fasciae, branches of the lumbar plexus and their course, vessels of the posterior abdominal wall
  - Activate 'can you identify' to visualize nerves and vessels of the post. abd. wall
2. Go to An@tomedica, **abdomen** module-regions-frames: **18 and 19** (Posterior abdominal wall: Openings in diaphragm, Aperture at pelvic brim)
  - Click on underlined text to list structures traversing the pelvic brim and under the inguinal ligament
  - Activate 'can you identify' to visualize structures passing the pelvic brim and structures passing under the inguinal ligament

#### **Retroperitoneal viscera**

3. Go to An@tomedica, **abdomen** module-systems-frames: **22 and 23** (Kidneys and ureters, Structure and supply of kidneys)
  - Click on underlined text to learn about the normal position and orientation of kidneys, the contents of renal hilum, the supply of kidney and ureters, the internal features and segmentation of kidneys
  - Activate 'can you identify' to visualize poles/surfaces/hilum/internal features of kidney, features of ureters and supply of kidneys and ureters
4. Go to An@tomedica, **abdomen** module-systems-frame: **25** (Suprarenal glands)
  - Click on underlined text to distinguish pars (and roles) of suprarenal glands, their shape and position and their blood supply
  - Activate 'can you identify' to visualize right and left suprarenal glands and their neurovascular supply

#### **Somatic nerves and vessels of the abdomen**

5. Go to An@tomedica, **abdomen** module-systems-frame: **26** (Somatic nerves)

-Click on underlined text to review the anatomy of the lumbar plexus of nerves, its branches and their segmental division

-Activate 'can you identify' peripheral nerves derived from anterior and posterior divisions of lumbar plexus

6. Go to An@tomedica, **abdomen** module-systems-frame: **28** (Abdominal aorta and branches)

-Click on underlined text to review branches of aorta (particularly parietal) and of external iliac artery

-Activate 'can you identify' to see branches of abdominal aorta, particularly parietal branches

7. Go to An@tomedica, **abdomen** module-systems-frame: **30** (Inferior vena caval system)

-Click on underlined text to review tributaries to IVC and principles of the venous return against gravity

-Activate 'can you identify' to visualize principle tributaries to IVC, particularly parietal

### **Un-embalmed viscera**

8. Go to An@tomedica, **abdomen** module-systems-frames: **47 and 52** (Abdominal viscera in situ: Kidney, ureters & suprarenals, Excised viscera: Kidney, suprarenal and testis) to see un-embalmed viscera of the retroperitoneum and excised

-Activate 'can you identify' to see components of the retroperitoneal viscera and vessels and excised retroperitoneal organs