Unit 33: Topographic anatomy: Contents of abdominal cavity

Guide for the practical class using Anatomedia online

Gastrointestinal tract

1. Go to An@tomedia, **abdomen** module-systems-frames: **13 and 14** (Abdominal oesophagus and stomach, Duodenum)

-Click on underlined text to distinguish parts of the stomach, its mesenteries, internal feature, sphincters and its supply, parts of duodenum, its internal features and supply

-Activate 'can you identify' to visualize parts of the stomach and duodenum

2. Go to An@tomedia, **abdomen** module-systems-frame: **15** (Jejunum and ileum)

-Click on underlined text to distinguish jejunum from ileum, to see their supply and what is an ileal diverticulum

-Activate 'can you identify' to visualize mesenteries and mucosal surface of jejunum and ileum

3. Go to An@tomedia, **abdomen** module-systems-frames: **16 and 17** (Caecum and appendix, Colon)

-Click on underlined text to visualize external features and position of caecum and appendix, their supply and projected pain location, major differences between small and large intestine, parts of large intestine and its supply

-Activate 'can you identify' to visualize external features of caecum and colon

Liver, biliary system and pancreas

4. Go to An@tomedia, **abdomen** module-systems-frames: **18 and 19** (Liver, Structure and supply of liver)

-Click on underlined text to visualize external features of the liver, its lobes, peritoneal reflections and ligaments, porta hepatis, its supply and the distinction between anatomical and physiological lobes

-Activate 'can you identify' to visualize external and internal features of the liver

5. Go to An@tomedia, **abdomen** module-systems-frames: **20 and 21** (Gall bladder and bile duct, Pancreas)

-Click on underlined text to visualize pars of the biliary system and its supply, parts and ducts of the pancreas as well as its supply

-Activate ‘can you identify’ to visualize external and internal features of the bile system and pancreas

Vessels and visceral nerves of the abdomen

6. Go to An@tomedia, **abdomen** module-systems-frames: **28 and 29** (Abdominal aorta and branches, Arteries of gut)

-Click on underlined text to review branches of aorta (particularly unpaired visceral) and their branches in relation to visceral organs

-Activate ‘can you identify’ to see branches of abdominal aorta, particularly visceral branches

7. Go to An@tomedia, **abdomen** module-systems-frames: **30 and 31** (Inferior vena caval system, Portal system)

-Click on underlined text to review tributaries of the IVC, specifics of the portal system, tributaries of portal vein, splenic and superior mesenteric vein and sites of porto-caval anastomoses

-Activate ‘can you identify’ to see tributaries of IVC and portal system of veins

8. Go to An@tomedia, **abdomen** module-systems-frame: **27** (Visceral nerves)

-Click on underlined text to review what the enteric nervous system is, how are autonomic ganglia in abdomen divided, how sympathetic and parasympathetic fibres enter the abdomen and how is pain conveyed

-Activate ‘can you identify’ to see components of abdominal ANS

Un-embalmed viscera

9. Go to An@tomedia, **abdomen** module-systems-frames: **41 to 47** (Abdominal viscera in situ) to see un-embalmed viscera of the abdominal cavity

-Activate ‘can you identify’ to see components of abdominal viscera and vessels

10. Go to An@tomedia, **abdomen** module-systems-frames: **48 to 50** (Excised viscera) to see excised un-embalmed (fresh) viscera of the abdominal cavity

-Activate ‘can you identify’ to see un-embalmed individual visceral organs