



Abdomen

The anatomy of the abdomen consists of the digestive system and the renal system. The anterior and posterior abdominal wall is described in detail. The blood supply, nerves, lymphatic drainage of the abdomen is explained.

The topics include:

1. Surface landmarks and dermatomes - Male and female (00:10:05)

- Introduction
- Abdomen and Pelvis
 - Dermatomes
 - Incisional hernias
 - Mcburny's point
 - Muscle cutting vs. muscle splitting incisions
 - Subcostal incisions
 - Umbilical hernias

2. Anterior abdominal wall - Muscles, nerves and vessels (00:09:09)

- Introduction
- Anterior abdominal wall - muscles, nerves and vessels
 - Eventration of the gut
 - Inguinal hernia
 - Key hole surgeries
 - Lateral lumbar hernia
 - Surgical anatomy of abdominal incisions
 - Transpyloric plane

3. Inguinal canal anatomy (00:06:37)

- Introduction
- Inguinal canal anatomy
 - Anatomical and physiological factors preventing inguinal hernias
 - Direct inguinal hernia
 - Indirect inguinal hernia

4. Posterior abdominal wall and diaphragm (00:08:10)

- Introduction
- Posterior abdominal wall and diaphragm
 - Diaphragmatic hernias
 - Lumbar sympathectomy
 - Lumbar triangle
 - Paralysis of the diaphragm



5. Brainstem - External Features (00:13:06)

- Introduction
- Stomach and spleen
- Stomach
- Spleen
 - Accessory spleens
 - Cancers of the stomach
 - Chronic gastritis
 - Gastric endoscopy
 - Splenic injuries
 - Splenomegaly
 - Zollinger-Ellison syndrome

6. Duodenum and pancreas (00:11:10)

- Introduction
- Duodenum
- Pancreas
 - Duodenal cancers
 - Duodenal erosions, ulcers, peptic ulcer disease
 - Duodenal obstruction
 - Endoscopy of duodenum

7. Jejunum and Ileum (00:11:18)

- Introduction
- Jejunum and Ileum
 - Diverticulosis
 - Duplication of gut tube
 - Gastrojejunostomy
 - Intussusception
 - Mesenteric cysts
 - Paralytic ileus
 - Perforating trauma to the small intestine
 - Volvulus

8. Colon (00:15:20)

- Introduction
- Colon
 - Amoebic colitis
 - Diverticula
 - Diverticulosis
 - Hirschsprung's disease
 - Surgical procedures on the colon-hemicolectomy, colostomy
 - Ulcerative colitis
 - Volvulus of the sigmoid



9. Liver - Surfaces, relations, segmental anatomy (00:10:36)

- Introduction
- Liver - Blood supply
- Liver - Ligaments
- Liver - Lobes and segments
 - Anatomy of hepatic transplants
 - Cysts of the liver
 - Liver biopsy
 - Liver trauma
 - Metastasis - Secondaries in the liver
 - Obstructive jaundice

10. Extra hepatic biliary apparatus (00:06:03)

- Introduction
- Extrahepatic biliary apparatus
 - Cholecystitis
 - Gallstones and its treatment
 - Surgical access to the gallbladder

11. Kidneys, ureters and suprarenals (00:12:22)

- Introduction
- Kidneys, Ureters, Suprarenal Glands
 - Accessory adrenal tissue
 - Anatomy of renal transplantation
 - Horseshoe kidney
 - Needle biopsy of the kidney from the back
 - Nephrotic syndrome
 - Perinephric abscess
 - Pheochromocytomas
 - Renal calculi
 - Surgical approach to the adrenals

12. Disposition of the peritoneum (00:10:30)

- Introduction
- Peritoneum
 - Ascitis
 - Culdocentesis
 - Internal herniation into the lesser sac
 - Paracaecal hernias
 - Paraduodenal hernias



13. Abdominal aorta and branches (00:04:31)

- Introduction
- Abdominal aorta and its branches
 - Dissection of the aorta
 - Radiologic imaging of the aorta

14. Abdominal aorta and branches (00:05:46)

- Introduction
- IVC and Tributaries
 - IVC filters
 - IVC obstruction
 - Porta-caval anastomosis

15. Nerves of the abdomen, abdominal autonomics (00:04:34)

- Introduction
- Nerves of the abdomen, Abdominal Autonomics
 - Irritable bowel syndrome
 - Vagal innervation of stomach and duodenum

16. Lymphatic drainage of the abdomen (00:06:40)

- Introduction
- Lymphatic drainage of the abdomen
 - Lymph node biopsy
 - Lymphangiogram
 - Tumour metastasis and sentinel nodes