

Group B: Organ systems (digestive, respiratory, urinary, genital system, heart, glands and skin) – green

Digestive system

1. Teeth

- Main points: external and internal structure of a tooth, fixation of a tooth in jaw, tooth types, dental formula and tooth eruption
- Figures: dental formula of the deciduous and the permanent teeth

2. Tongue and palate

- Main points: parts, surfaces, structures, muscles, innervation and vascular supply of the tongue, development, structure of the hard and soft palate, muscles, innervation and vascular supply of the soft palate, palatine tonsil
- Figures: somatosensory and gustatory innervation of the tongue

3. Salivary glands

- Main points: types of glands, structure, syntopy and innervation of major salivary glands
- Figures: parotid gland and parotid duct

4. Pharynx

- Main points: general structure of the wall of the digestive tube, division and communications, wall structure, syntopy, muscles, innervation, vascular supply and spaces around the pharynx
- Figures: sagittal section of the pharynx, lateral view of the pharyngeal muscles, transverse section of the neck at the level of C6

5. Oesophagus

- Main points: general structure of the wall of the digestive tube, parts, syntopy, curvatures, constrictions, innervation and vascular supply, thinned spots of the wall (Killian's and Laimer's triangle), closure of the aboral oesophageal orifice
- Figures: parts, curvatures and constrictions of the oesophagus, transverse section of the neck at the level of C6, diaphragm

6. Stomach and omental bursa

- Main points: general structure of the wall of the digestive tube, parts, structure, syntopy, mesenteries, innervation, vascular supply, projection of the stomach on the anterior abdominal wall, closure of the aboral oesophageal and cardiac orifice; boundaries and recesses of the omental bursa, contents of the hepatoduodenal ligament
- Figures: parts, vascular supply and syntopy of the stomach

7. Duodenum

- Main points: general structure of the wall of the digestive tube, parts, structure, syntopy, fixation, vascular supply and innervation; extrahepatic bile ducts
- Figures: duodenum, pancreas, extrahepatic bile ducts

8. Small intestine

- Main points: general structure of the wall of the digestive tube, parts, structure, syntopy, fixation, vascular supply and innervation, differences between jejunum and ileum
- Figures: vascular supply of the small intestine

9. Large intestine

- Main points: general structure of the wall of the digestive tube, parts, structure, syntopy, innervation and vascular supply, positions of vermiform appendix, relationship to peritoneum
- Figures: parts of the large intestine and their vascular supply, paracolic spaces

10. Rectum

- Main points: general structure of the wall of the digestive tube, parts, flexures, muscles, syntopy, innervation and vascular supply, function; pelvic floor, mechanism of defecation, anal triangle
- Figures: frontal and sagittal section of the rectum, sagittal section of the male and female pelvis

11. Liver

- Main points: parts, external and internal structure, mesenteries, function, syntopy and vascular supply; intrahepatic bile ducts
- Figures: syntopy of the liver (visceral surface)

12. Gallbladder and bile ducts

- Main points: general structure of the wall of the digestive tube, intrahepatic and extrahepatic bile ducts – parts and their course, structure of the gallbladder and bile ducts, hepatoduodenal ligament, bile production
- Figures: extrahepatic bile ducts, hepatoduodenal ligament

13. Pancreas

- Main points: parts, ducts, syntopy and vascular supply, function of the exocrine and endocrine part, overview of development
- Figures: duodenum and pancreas, extrahepatic bile ducts, vascular supply of the pancreas

14. Peritoneum and peritoneal cavity

- Main points: divisions of the peritoneal cavity, organs, mesenteries, omenta, recesses, spaces and vascular supply
- Figures: organs and mesenteries, sagittal section of the peritoneal cavity, male and female pelvis

Respiratory system

15. External nose, nasal cavity, paranasal sinuses and nasopharynx

- Main points: structure of the external nose; parts, boundaries and syntopy of the nasal cavity; list and drainage of the paranasal sinuses, structures of the nasopharynx, innervation and vascular supply
- Figures: section of the nasal cavity, drainage of the paranasal sinuses

16. Larynx

- Main points: structure (cartilages, ligaments, joints and muscles), laryngeal cavity, syntopy, vascular supply and innervation
- Figures: laryngoscopic view of the glottis, frontal section of the larynx

17. Trachea and bronchial tree

- Main points: general structure and differences of the structure of the larynx, bronchi and bronchioles syntopy, vascular supply and innervation, branching of the bronchial tree (subsegments of lung parenchyma), tracheotomy, bronchoscopy
- Figures: bronchial tree

18. Lungs and alveolar tree

- Main points: parts, surfaces, margins and syntopy of the lungs; lobes and bronchopulmonary segments, syntopy; contents of the lung hilum, vascular supply, innervation and lymphatic drainage, fetal circulation
- Figures: bronchopulmonary segments, structures in the hilum of the lung

19. Pleura and pleural cavity

- Main points: parts, recesses, syntopy, vascular supply, innervation, borders and projection of the pleura, definition of the pneumothorax
- Figures: parts, recesses, borders and projection of the pleura

20. Mediastinum: division and content

- Main points: divisions, boundaries and content
- Figures: transversal section of thorax at the T2 (T3) level

Urinary system

21. Kidney

- Main points: covers, external and internal structure, segments, syntopy, vascular supply and innervation of the kidneys; nephron and its parts, juxtaglomerular apparatus, developmental stages, shape variations
- Figures: syntopy of the kidneys, transverse section of abdomen at the L1 level

22. Urinary tract

- Main points: general structure, intrarenal and extrarenal parts, syntopy of the renal pelvis, parts and course of the ureter, parts and syntopy of the urinary bladder, vascular supply and innervation of all urinary tracts, dynamics of micturition

- Figures: course and crossing of the ureter with other structures, sagittal section of the male and female pelvis

23. Male and female urethra

- Main points: general structure, parts, curvatures, constricted and dilated segments and muscles of the male urethra, parts and muscles of the female urethra, dynamics of micturition
- Figures: constricted and dilated segments of the male urethra, course and crossing of the ureter with other structures, sagittal section of the male and female pelvis

Genital system

24. Scrotum, testis and epididymis

- Main points: structure, cells, innervation and vascular supply, function, development and descent of testis, layers of the scrotum
- Figures: layers of the scrotum

25. Excretory male urinary tract

- Main points: general structure of the excretory male urinary tract, parts, course and structure of the ductus deferens; syntopy and duct of the seminal glands; external and internal structure and syntopy of the prostate, vascular supply and innervation, mechanism of ejaculation
- Figures: parts of the ductus deferens, transversal section of the prostate

26. Accessory male genital glands

- Main points: syntopy and ducts of the seminal glands; external and internal structure and syntopy of the prostate; bulbo-urethral glands; vascular supply and innervation, pelvic floor
- Figures: transversal section of the prostate, sagittal section of the male pelvis

27. External male genital organs

- Main points: external and internal structure, vascular supply and innervation, muscles of urogenital floor, mechanism of erection and ejaculation
- Figures: transverse section of the penis, sagittal section of the male pelvis, inferior view of perineal region

28. Ovarium a ovarian cycle

- Main points: parts, structure, cells, fixation, vascular supply and innervation, ovarian cycle, stages of follicle, corpus rubrum, corpus luteum, corpus albicans
- Figures: vascular supply of the ovary and uterine tube

29. Uterine tube

- Main points: general structure of the female genital tract, parts, structure, fixation, vascular supply and innervation, fertilization
- Figures: parts of the uterine tube, vascular supply of the ovary and uterine tube

30. Uterus and menstruation cycle

- Main points: general structure of the female genital tract, external and internal structure, surfaces and position, supporting apparatus, peritoneal folds, vascular supply and innervation, menstruation cycle
- Figures: sagittal section of female pelvis, parts of the uterus, broad ligament of uterus

31. Vagina

- Main points: general structure of the female genital tract, external and internal structure, pelvic floor, syntopy, vascular supply and innervation, menstruation cycle
- Figures: sagittal section of female pelvis

32. External female genital organs

- Main points: structure, vascular supply and innervation of organs, muscles of urogenital floor, mechanism of erection
- Figures: transverse section of the body of the clitoris, sagittal section of female pelvis, inferior view of perineal region

Heart**33. Heart – structure, chambers, valves**

- Main points: heart chambers and valves, parts and function of the cardiac skeleton, fetal and adult blood circulation, heart wall, auscultation sites of the heart valves, overview of heart development
- Figures: transverse section of the heart with vascular supply

34. Conducting system of the heart

- Main points: parts, layers of the heart wall, cardiac skeleton, relationship to heart block
- Figures: scheme of the conducting system of the heart

35. Heart – vessels and innervation

- Main points: topography of the heart in the pericardium, projection of the heart, auscultation sites of the heart valves, vascular supply, innervation, conducting system of the heart
- Figures: transverse section of the heart with vascular supply; scheme of the coronary arteries, projection of the heart, auscultation sites of the heart valves

36. Heart and circulation

- Main points: structures and openings in the chambers, pulmonary circulation, fetal circulation, overview of heart development
- Figures: basic structures in the right atrium, fetal circulation

Others**37. Thyroid and parathyroid glands**

- Main points: structure, syntopy, vascular supply and innervation of the glands, surgical approaches, function and hormones, overview of development
- Figures: transverse section of the neck at the C6 level

38. Adrenal gland and other hormone-producing organs

- Main points: structure, shape, syntopy, vascular supply and innervation, function and hormones, overview of development; list of the other hormone-producing organs and their hormones
- Figures: transverse section of the abdomen at the L1 level

39. Mammary gland

- Main points: position, structure, syntopy, vascular supply and innervation
- Figures: sagittal section of the breast, lymphatic drainage

40. Skin

- Main points: function, parts, layers, cells, derivatives (glands, hairs, nails), receptors and their function
- Figures: section of the skin