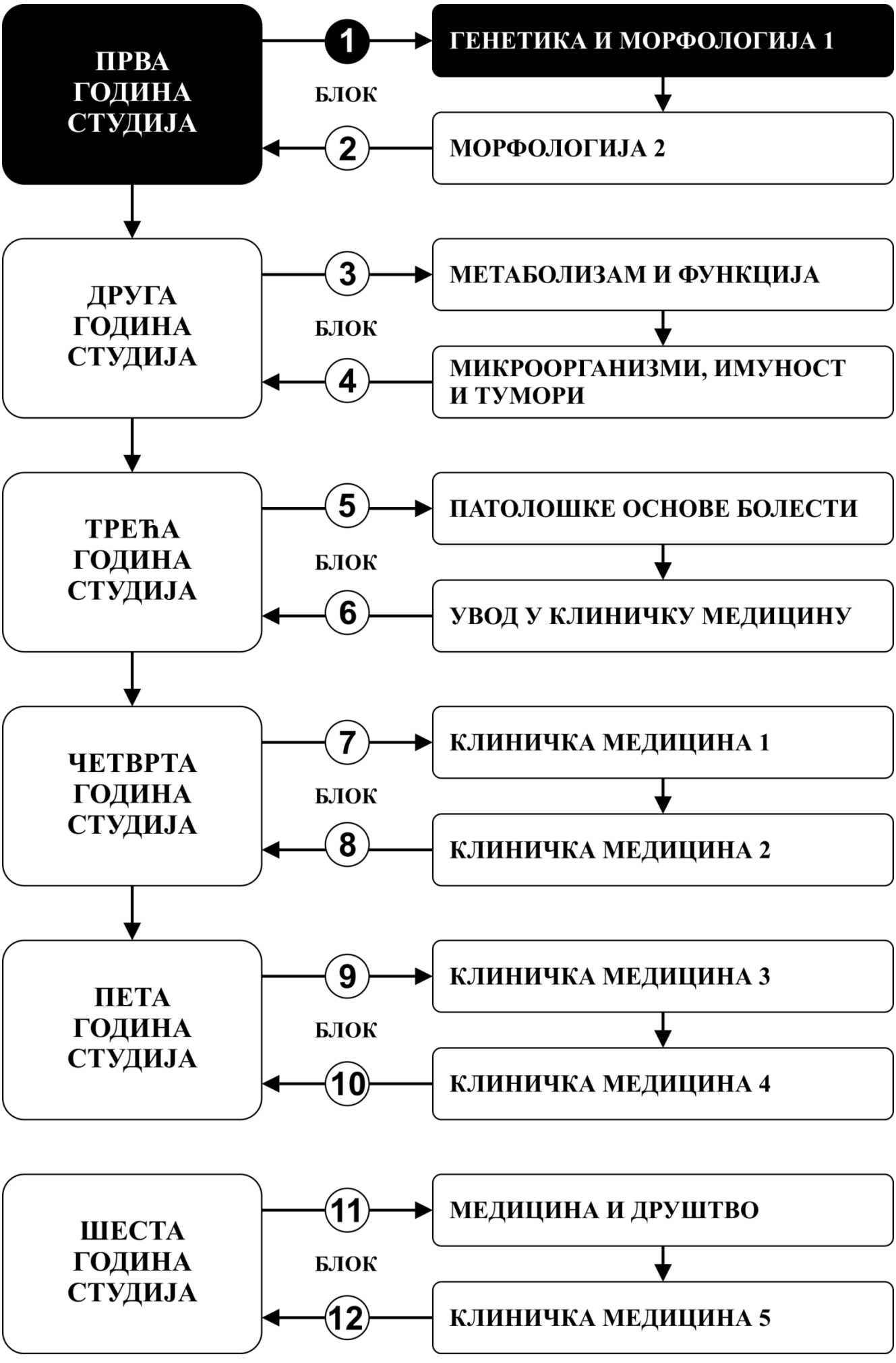
ANATOMY 1

GENETIC AND MORPHOLOGY 1

FIRST YEAR OF STUDY

Academic year 2024/2025.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Course title:

ANATOMY 1

Number of ECTS credits: 12.
There are 11 hours of active classes per week (6 theoretical classes and 5 practical classes).

Professors and associates:

1.	Ivana Živanović-Mačužić	ivanaanatom@yahoo.com	Full professor
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Structure of the Course:

Module	**Module**	**No. of weeks**	**No. of lectures (weekly)**	**No. of practical classess (weekly)**	**Professor in charge**
1	Anatomy of limbs	6	6	5	Prof. Ivana Živanović-Mačužić
2	Anatomy of thorax, abdomen and pelvis	9	6	5	Prof. Ivana Živanović-Mačužić
					Σ 90+75=165

EVALUATION:

By completing the pre-exam requirements and taking the final (oral) exam, students can achieve a maximum of 100 points. The final grade is determined based on the number of points earned, which are obtained as follows:

PRE-EXAM ACTIVITIES (ACTIVITY DURING THE SEMESTER): In this way, the student can earn up to 30 points, in following ways:

- **ATTENDANCE TO AND ACTIVITY DURING THE CLASSES:** In this way, the student can earn up to 15 points, 1 point per week
- **TEST BY MODULES:** Tests are taken during the semester, according to schedule (and if test is failed, remedial tests during examination periods). In this way, students can earn up to 15 points, as per the attached table (next page).

ORAL EXAM: The condition for a student to take the oral exam is to pass all pre-exam activities beforehand. In this way, a student can earn up to 70 points. The oral part of the exam involves the students' answering to 5-10 posed questions. A grade of 0 on any question is the conclusion of the exam. Postponed passing of the final oral exam (in the following exam periods) does not reduce the number of points used to define the final grade.

MODULE		MAXIMAL NUMBER OF POINTS			
		Activity during the classes (per week)	**Test by module**	**Oral exam**	**Σ**
1	Anatomy of limbs	6	6		**12**
2	Anatomy of thorax, abdomen and pelvis	9	9		**18**
				70	**70**
	Σ	15	15	70	**100**

The final grade is formed as followe:

In order to pass the course, the student must obtain a minimum of 51 points, that means:

1. to have more than 50% points for attendance to and activity during the classes for each module
2. to pass the test of each module, that means to have more than 50% correct answers.
3. to pass oral exam

THE NUMBER POINTS (pre-exam activity + oral exam)	**GRADE**
0 - 50	**5**
51 – 60	**6**
61 – 70	**7**
71 – 80	**8**
81 – 90	**9**
91 - 100	**10**

TESTS BY MODULES

MODULE 1

TEST
0-6 POINTS

EVALUATION OF THE FINAL TEST

The test has 30 questions
Each question is worth 0.2 points

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MODULE 2

TEST
0-9 POINTS

EVALUATION OF THE FINAL TEST

The test has 45 questions
Each question is worth 0.2 points

LITERATURE:

The title of textbook	Authors	Publisher	Library of Faculty
Moore's Clinically Oriented Anatomy	Dalley AF, Agur AM	Philadelphia, PA: Lippincott Williams and Wilkins; 2022. 9th, International Edition.	Yes
Atlas of human anatomy.	Netter FH.	Philadelphia: Elsevier; 2011. 5th edition.	Yes

All lectures are available on the website of the Faculty of Medicine: www.medf.kg.ac.rs

COURSE DESCRIPTION:

THE FIRST MODULE: ANATOMY OF THE LIMBS

WEEK – 1:

INTRODUCTION TO ANATOMY

Teaching lectures (1 class)	Practical classes (1 class)
Introduction to human anatomy Fundamentals of anatomical nomenclature	Introduction to human anatomy Fundamentals of anatomical nomenclature Introduction to osteology. Types of human bones

THE BONES OF THE UPPER LIMB

Teaching lectures (3 classes)	Practical classes (2 classes)
Topographic parts of the upper limb The bones of the upper limb - scapula, clavicula, humerus, radius, ulna, ossa manus	The bones of the upper limb - scapula, clavicula, humerus, radius, ulna, ossa manus • Student should demonstrate understanding of and be able to describe characteristics of the bones of upper limb

THE JOINTS OF THE UPPER LIMB

Teaching lectures (2 classes)	Practical classes (2 classes)
Joints of the upper limb: - art. sternoclavicularis - art. acromioclavicularis - art. humeri (shoulder) - art. cubiti (elbow joint) - art. radioulnaris distalis - art. radiocarpea (wrist joint) - joints of the hand	Joints of the upper limb: - art. sternoclavicularis - art. acromioclavicularis - art. humeri (shoulder) - art. cubiti (elbow joint) - art. radioulnaris distalis - art. radiocarpea (wrist joint) - joints of the hand • Student should understand anatomical characteristics of joints of the upper limb (articular surfaces, articular capsule, stabilization and ligaments of the joints, mechanic of joints)

WEEK – 2:

MUSCLES OF THE SHOLDER AND ARM

Teaching lectures (3 classes)	Practical classes (2 classes)
Muscles of the shoulder region - compartments, attachments, innervation and action Muscles of the arm - compartments, attachments, innervation and action	Muscles of the shoulder region Muscles of the arm • Student should be able to describe attachments, function and innervation of the muscles of the shoulder region and arm

MUSCLES OF THE FOREARM AND HAND

Teaching lectures (3 classes)	Practical classes (3 classes)
Muscles of the forearm - compartments, attachments, innervation and action Muscles of the hand - compartments, attachments, innervation and action	Muscles of the forearm Muscles of the hand • Student should be able to describe attachments, function and innervation of the muscles of the forearm and hand

WEEK – 3:

VASCULATURE OF THE UPPER LIMB

Teaching lectures (3 classes)	Practical classes (3 classes)
Arterial blood supply of the upper limb • a. axillaris • a. brachialis • a. radialis • a. ulnaris Veins of the upper limb • Superficial veins of the upper limb • Deep veins of the upper limb Lymphatics of the upper limb	Blood supply of the upper limb • Student should be able to identify and describe arteries of the upper limb (course, ralations, side and terminal branches and area of vascularization) • Student should be able to identify and describe veins of the upper limb (origin, course, ralations, tributaries)

NERVES OF UPPER LIMB

Teaching lectures (3 classes)	Practical classes (2 classes)
Innervation of the upper limb: • Plexus brachialis – origin. side and terminal branches • Truncus superior, medius and inferior; • Fasciculus lateralis, medialis and posterior. • N. musculocutaneus • N. medianus, N. ulnaris, N. cutaneus brachi medialis N. cutaneus antebrachi medialis • N. radialis, N. axillaris.	Nerve supply of the upper limb • Student should be able to identify and describe brachial plexus (origin of plexus, origin of its branches, relations in axillar fossa and arm) • Student should be able to identify and describe course, ralations, side and terminal branches and area of innervation of branches of brachial plaxus: • Truncus superior, medius and inferior; • Fasciculus lateralis, medialis and posterior. • N. musculocutaneus • N. medianus, N. ulnaris, N. cutaneus brachi medialis. N. cutaneus antebrachi medialis • N. radialis, N. axillaris.

WEEK – 4:

THE BONES OF THE LOWER LIMB

Teaching lectures (3 classes)	Practical classes (3 classes)
The bones of the upper limb - os coxae, femur, tibia, fibulla, ossa pedis	The bones of the upper limb: - os coxae, femur, patella, tibia, fibulla, ossa pedis • Student should be able to identify and describe characteristics of the bones of the lower limb (surfaces, borders, extremities, articular surfaces)

THE JOINTS OF THE LOWER LIMB

Teaching lectures (3 classes)	Practical classes (2 classes)
Joints of the lower limb: - art. coxae - art. genus - art. tibiofibularis, syndesmosis tibiofibularis - articulationes pedis	Joints of the lower limb: - art. coxae - art. genus - art. tibiofibularis, syndesmosis tibiofibularis - articulationes pedis • Student should be able to identify and describe anatomical characteristics of the jponts of the lower limb (articular surfaces, articular capsule, stabilization and ligaments of the joints, mechanic of joints)

WEEK – 5:

MUSCLES OF THE HIP, BUTTOCKS AND THIGH

Teaching lectures (3 classes)	Practical classes (3 classes)
Muscles of the hip and buttocks - compartments, attachments, innervation and action Muscles of the thigh - compartments, attachments, innervation and action	Muscles of the hip and buttocks Muscles of the thigh • Student should be able to describe attachments, function and innervation of the muscles of the buttocks, hip and thigh

MUSCLES OF THE LEG AND FOOT

Teaching lectures (3 classes)	Practical classes (2 classes)
Muscles of the leg - compartments, attachments, innervation and action Muscles of the foot - compartments, attachments, innervation and action	Muscles of the leg Muscles of the foot • Student should be able to describe attachments, function and innervation of the muscles of the leg and foot

WEEK – 6:

VASCULATURE OF THE LOWER LIMB

Teaching lectures (3 classes)	Practical classes (3 classes)
Arterial blood supply of the lower limb • branches of a. iliaca interna • a. femoralis • a. poplitea • a. tibialis anterior • a. tibialisposterior Veins of the lower limb • Superficial veins of the lower limb • Deep veins of the lower limb Lymphatics of the lower limb	Blood supply of the lower limb • Student should be able to identify and describe arteries of the lower limb (course, ralations, side and terminal branches and area of vascularization) • Student should be able to identify and describe veins of the lower limb (origin, course, ralations, tributaries)

NERVES OF LOWER LIMB

Teaching lectures (3 classes)	Practical classes (2 classes)
Innervation of the lower limb: • Plexus lumbalis, side and terminal branches • Plexus sacralis, side and terminal branches	Nerve supply of the upper limb • Student should be able to identify and describe lumbar plexus (origin, relations, side and terminal branches, area of innervation) • Student should be able to identify and describe sacral plexus (origin, relations, side and terminal branches, area of innervation)

THE SECOND MODULE: ANATOMY OF THE THORAX, ABDOMEN AND PELVIS

WEEK – 7:

THE BONES AND CARTILAGES OF THORACIC CAGE

Teaching lectures (3 classes)	Practical classes (3 classes)
• The bones, cartilages and the joints of thoracic wall - Veretbral column – thoracic vertebra - Sternumm, the ribs and costal cartilages • Thoracic cage.	• Student should be able to identify and describe characteristics of thoracic vertebrae (body, processes, articular surfaces, foramen vertebrale and intervertebrale) • Student should be able to identify and describe characteristics of ribs (body, surfaces, borders, sulcus costae, anterior part, posterior part, articular surfaces) • Student should be able to identify and describe characteristics of the thoracic cage (articular surfaces, articular capsule, stabilization and ligaments of the joints, mechanic of joints)

THE MUSCLES, VASCULATURE AND INERVATION OF THE THORACIC WALL

Teaching lectures (3 classes)	Practical classes (2 classes)
• The muscles of thoracic wall. • Blood and nerve supply of the thoracic cage. • Diaphragm (parts, attachments, apertures, innervation, vascularization). • N. Phrenicus	• The muscles of thoracic wall. • Blood and nerve supply of the thoracic cage. • Diaphragm (parts, attachments, apertures, innervation, vascularization). • N. phrenicus • Mechanic of respiratory movements

WEEK – 8:

THE BREASTS

Teaching lectures (1 class)	Practical classes (1 class)
• The breasts – structure, vascularization, innervation, lymph drainage	• The breasts – structure, vascularization, innervation, lymph drainage

MEDIASTINUM

Teaching lectures (2 classes)	Practical classes (2 classes)
• Topographic compartments of thoracic cavity (mediastinum, spatium pleuropulmonale) • Mediastinum – compartments: upper and lower) • Upper Mediastinum - elements (venous, arterial and visceral layer) • Thymus.	• Identification and description of morphologic and topographic characteristics of trachea (position, walls, structure, vascularization and innervation) • Identification of morphologic and topographic characteristics of main, lobar and segmental bronchi (position, relations, structure, vascularization and innervation)

LUNGS AND LOWER AIRWAYS

Teaching lectures (3 classes)	Practical classes (2 classes)
• Trachea and paratracheal lymph nodes • Lower airways – bronchi principals, lobares and	• Identification and description of structure, position and relations of emlements of pulmonary root; surface

segmentales. • Pulmonary root – padix pulmonis. • Lungs and pleura	projection of pulmonary root (anterior and posterior thoracic wall) • Identification and description of morphologic characteristics of lungs (position, surfaces, relations, lobes, segments, lobules, structure, surface projections, vascularization and innervation) • Functional and nutritive blood vessels of the lungs • Functional anatomy of the lungs • Pleura (parts, pleural reflections, surface projections, vascularization and innervation)

<u>WEEK – 9</u>:

THE HEART – EXTERNAL AND INTERNAL ASPECT

Teaching lectures (2 classes)	Practical classes (2 classes)
The heart: • pulmonary and systemic circulation • external aspect of the heart • internal aspect of the heart Functional anatomy of the heart	• Identification and description of morphologic characteristics of the heart (position, surfaces, relations, external aspect, internal aspect of heart chambers: atria, ventricles, atrioventricular orifices and valves, aortic orifice and semilunar valve, pulmonary trunk orifice and semlinar valve, papillar muscles and tendineous cords, septum) • Functional anatomy of heart valves during cardiac phases of systole and diastole

THE HEART – VASCULATURE, INNERVATION, CONDUCTING SYSTEM

Teaching lectures (2 classes)	Practical classes (2 classes)
• Blood supply of the heart – coronary arteries, veins of the heart • Innervation of the heart – plexus cardiacus; Sympathetic trunk – pars thoracica, n. vagus • Conducting system of the heart (Sistema conducens cordis)	• Identification and description of vasculature of the heart – coronary arteries (origin, course, branches), and cardiac veins (origin, tribitaries, course, ending) • Identification and description of innervation of the heart –plexus cardiacus and functional anatomy of plexus cardiacus (sympathetic and parasympapthetic branches, superficial and deep part of plexus) • Understanding of morphologic and functional characterics of conducting system of the heart (SA node, AV node, fasciculus atrioventricularis-His, internodal pathways)

HEART – CORONA CORDIS, STRUCTURE, PERICARDIUM, SURFACE PROJECTIONS. POSTERIOR MEDIASTINUM

Teaching lectures (2 classes)	Practical classes (1 class)
• Structure of the heart • Pericardium • Aorta, pulmonary trunk, v. cava superior • System of azygos veins • Thoracic duct • Esophagus	• Morphology and topography of pericardium (structure, position, relations, reflections, surface projections, vasculature and innervation) • Base of the heart and corona cordis (aorta, pulmonary trunk, v. cava superior, v. cava inferior, vv. pulmonales) • Surface projections of the heart, atrioventricular and semilunar orifficies.

WEEK – 10:

THE WALLS OF ABDOMINAL CAVITY

Teaching lectures (2 classes)	Practical classes (1 classes)
• Boundaries of abdomen. Abdominal regions, reference planes and quadrants. • Antero-lateral abdominal wall • Posterior abdominal wall • Blood and nerve supply of abdominal wall	• Boundaries of abdomen • Reference planes and topographic lines, regions and quadrants of abdomen, surface projections of abdominal organs • Structure af antero-lateral and posterior abdominal wall (skin, subcutaneous tissue, muscles, fasciae, peritoneum) - Identification and descriptions of muscles of antero-lateral and posterior abdominal wall • Blood and nerve supply of abdominal wall

PERITONEUM. INGUINAL CANAL AND INGUINAL HERNIA. FEMORAL CANAL AND FEMORAL HERNIA.

Teaching lectures (1 class)	Practical classes (1 class)
• Formations of parietal and visceral peritoneum • Inguinal canal and inguinal hernia. Femoral canal and femoral hernia. Umbilical hernia • Superior and inferior lumbar triangle of posterior abdominal wall	• Formations of parietal peritoneum (folds and peritoneal fossae) • Formations of visceral peritoneum (meso, ligaments, omenta) • Inguinal canal: walls, superficial and deep inguinal ring, content. • Direct and indirect inguinal hernia. • Femoral canal and femoral hernia. • Regio umbilicalis and umbilical hernia • Superior and inferior lumbar triangle of posterior abdominal wall

COMPARTMENTS OF ABDOMINAL CAVITY

Teaching lectures (1 class)	Practical classes (1 class)
• Compartments of abdominal cavity • Subdivisions of peritoneal cavity • Cavities and recesses of peritoneal cavity. Bursa omentalis	• Compartments of abdominal cavity - peritoneal cavity (supracolic and infracolic compartment) - retroperitoneal space • Cavities and recesses of peritoneal cavity. Bursa omentalis • Relationship of the viscera to the peritoneum (intraperitoneal and extraperitoneal (retro- and sub-peritoneal organs)

STOMACH. VASCULATURE AND INNERVATION OF ABDOMINAL ORGANS

Teaching lectures (2 classes)	Practical classes (2 classes)
• Esophagus – abdominal part • Stomach - external aspect, dimensions - ligaments, surface projections, structure - vasculature and innervation • Aorta abdominalis, Truncus coeliacus, a. gastrica sinistra • Plexus coeliacus • Plexus aorticus abdominalis	• Stomach - Identification and description of morphologic characteristics of stomach (position, shape, surfaces (walls), borders, dimensions, relations to organs, surface projections, relation to peritoneum, structure, vasculature and innervation) • Aorta abdominalis, Truncus coeliacus, a. gastrica sinistra • Plexus coeliacus • Plexus aorticus abdominalis

WEEK – 11:

SMALL INTESTINE

Teaching lectures (2 classes)	Practical classes (2 classes)
• Small intestine (duodenum, jejunum, ileum) - external aspect, dimensions - ligaments, surface projections, structure - vasculature and innervationm • Superior mesenteric artery (a. mesenterica superior)	• Small intestine (duodenum, jejunum, ileum) - Identification and description of morphologic characteristics of duodenum, jejunum, ileum (position, shape, parts, dimensions, relations to the organs and peritoneum, surface projections, structure, vasculature and innervation) • Identification and description of morphologic characteristics of mesenterium • Identification and description of origin, course and the branches of superior mesenteric artery

LARGE INTESTINE

Teaching lectures (2 classes)	Practical classes (1 classes)
• Large intestine (ceccum, ascendent colon, transverse colon, descendent colon, sigmoid colon) - external aspect, dimensions - ligaments, surface projections, structure - vasculature and innervation • Inferior mesenteric artery (a. mesenterica inferior)	• Large intestine (ceccum, ascendent colon, transverse colon, descendent colon, sigmoid colon) - Identification and description of morphologic characteristics of large intestine (position, shape, parts, dimensions, relations to the organs and peritoneum, surface projections structure, vasculature and innervation) • Identification and description of morphologic characteristics of large intestine meso • Identification and description of origin, course and the branches of inferior mesenteric artery

LIVER. BILLIARY DUCTS AND GALLBLADER. PANCREAS

Teaching lectures (2 classes)	Practical classes (2 classes)
• Liver - external aspect, dimensions - relations to organs and peritoneum - ligaments, surface projections, structure - vasculature and innervation • Billiary ducts • Gallblader • Nutritive vasculature of liver – a. hepaticapropria • Functional vasculature of liver - v. portae • Porocaval anastomoses • Pancreas - external aspect, dimensions - relations to organs and peritoneum, surface projections, structure - vasculature and innervation	• Liver - Identification and description of morphologic characteristics of liver (position, shape, surfaces, borders, dimensions, relations to organs and peritoneum surface projections, structure, vasculature and innervation) • Identification and description of morphologic characteristics of biliary ducts and gallblader (intrahepatic and extrahepatic, main and accessory biliary ducts) • Anatomy of the system of v. portae (origin, course, relations, tributaries, termination, accessory portal veins, portocaval anastomoses) • Pancreas - Identification and description of morphologic characteristics of pancreas (position, shape, surfaces, borders, dimensions, relations to organs and peritoneum, surface projections, structure, vasculature and innervation)

WEEK – 12:

SPLEEN

Teaching lectures (1 class)	Practical classes (1class)
• Spleen - external aspect, dimensions - relations to organs and peritoneum - ligaments, surface projections, structure - vasculature and innervation	• Identification and description of morphologic characteristics of spleen pancreas (position, shape, surfaces, borders, dimensions, relations to organs and peritoneum, surface projections, structure, vasculature and innervation)

KIDNEYS

Teaching lectures (2 classes)	Practical classes (2 classes)
• Retroperitoneal space • Kidneys - external aspect, dimensions - surface projections, structure - Nephron - vasculature and innervation	• Identification and description of boundaries and elements of retroperitoneal space (kidneys, suprarenal glands, aorta abdominalis, v. cava inferior, lymph ducts of abdomen, abdominal lymph nodes, plexus lumbalis, plexus coeliacus, truncus sypmpathicus – pars abdominalis) • Identification and description of anatomic characteristics of kidneys (position, shape, surfaces, borders, dimensions, relations to organs, surface projections, structure, vasculature and innervation). – Description of nephron.

INTRAREANAL AND EXTRARENAL URINARY DUCTS. URETERS. SUPRARENAL GLAND

Teaching lectures (1 class)	Practical classes (1 class)
• Intrarenal and extrarenal urinary ducts. • Ureters • Suprarenal glands	• Identification and description of anatomic characteristics of intrarenal urinary ducts • Identification and description of anatomic characteristics of ureters (course, parts, dimensions, relations to organs, surface projections, structure, vasculature and innervation) • Identification and description of anatomic characteristics of suprarenal glands (position, shape, surfaces, borders, dimensions, relations to organs, surface projections, structure, vasculature and innervation).

RETROPERITONEAL SPACE

Teaching lectures (2 classes)	Practical classes (1 class)
• Retroperitoneal space - Aorta abdominalis - V. cava inferior - Truncus sypmpathicus – pars abdominalis, - Plexus coeliacus - Plexus aorticus abdominalis - Lymphatic duct and lymphatic nodes of abdomen.	• Retroperitoneal space - Aorta abdominalis - V. cava inferior - Truncus sypmpathicus – pars abdominalis, - Plexus coeliacus - Plexus aorticus abdominalis - Lymphatic duct and lymphatic nodes of abdomen.

WEEK – 13:

WALLS OF PELVIC CAVITY

Teaching lectures (2 classes)	Practical classes (2 classes)
• Walls of pelvic cavity. Joints and ligaments of the bones of the pelvic girdle. • Pelvic inlet. Pelvic outlet. Pelvic diameters. • Pelvic diaphragm. Pelvic fascie. Perineum. • Deep and superficial perineal pouch. Ishioanal fossa. • Compartments of pelvic cavity	• Walls of pelvic cavity. Joints and ligaments of the pelvic girdle. • Pelvic inlet. Pelvic outlet. Pelvic diameters. • Pelvic diaphragm. Pelvic fascie. Perineum. • Deep and superficial perineal pouch. Ishioanal fossa. • Compartments of pelvic cavity

VASCULATURE OF PELVIC CAVITY

Teaching lectures (2 classes)	Practical classes (2 classes)
• Vasculature of pelvic cavity. • A. iliaca interna and its branches • Veins and lymph nodes of pelvis.	• Vasculature of pelvic cavity. • A. iliaca interna and its branches • Veins and lymph nodes of pelvis.

INNERVATION OF PELVIC CAVITY

Teaching lectures (2 classes)	Practical classes (1 class)
• Innervation of pelvic cavity. - Truncus sypmpathicus – pars sacralis - Nn. erigentes - Plexus hypogastricus superior - Plexus pelvicus s. hypogastricus inferior	• Innervation of pelvic cavity. - Truncus sypmpathicus – pars sacralis - Nn. erigentes - Plexus hypogastricus superior - Plexus pelvicus s. hypogastricus inferior

WEEK – 14:

INTERNAL FAMALE GENITAL ORGANS

Teaching lectures (3 classes)	Practical classes (2 classes)
• Internal gemale organs - ovarium (position, shape, surfaces, borders, dimensions, relations to organs, ligements of ovarium, structure, vasculature and innervation) - tuba uterina (position, shape, parts, dimensions, relations to organs, structure, vasculature and innervation) - uterus (position, shape, parts, surfaces, dimensions, односи према околним органима, relations to the organs and peritoneum, ligaments of uterus, structure, vasculature and innervation) - vagina (position, shape, course, dimensions, walls, fornix, relations to the organs, structure, vasculature and innervation)	• Identification and description of internal female genital organs: - ovarium (position, shape, surfaces, borders, dimensions, relations to organs, ligements of ovarium, structure, vasculature and innervation) - tuba uterina (position, shape, parts, dimensions, relations to organs, structure, vasculature and innervation) - uterus (position, shape, parts, surfaces, dimensions, , relations to the organs and peritoneum, ligaments of uterus, structure, vasculature and innervation) - vagina (position, shape, course, dimensions, walls, fornix, relations to the organs, structure, vasculature and innervation)

EXTERNAL FEMALE GENITALS

Teaching lectures (2 classes)	Practical classes (2 classes)
• External female genitals - mons pubis - labia majora pudendi - labia minora pudenda; vestibulum vaginae, - erectile organs: clitoris, bulbus vestibuli - glands: glandulae vestibulares majore, glandulae vestibulares minores	• Identification and description of external female genitals (labia majora pudendi, labia minora pudendi, vestibulum vaginae, erectile organs: clitoris, bulbus vestibuli, glandules: glandulae vestibulares majore, glandulae vestibulares minores – position, shape, structure, vasculature and innervation)

RECTUM

Teaching lectures (1 class)	Practical classes (1 class)
• Rectum and Anal canal	• Identification and description of anatomic characteristics of rectum and anal canal (positions, shape, relation to organs and peritoneum, dimensions, course, structure, vasculature and innervation)

WEEK – 15:

URINARY BLADDER. URETHRA

Teaching lectures (2 classes)	Practical classes (1 class)
• Urinary bladder • Urethra	• Identification and description of anatomic characteristics of urinary bladder (position, parts, relation to organs and peritoneum, shape, dimensions, structure, vasculature and innervation)

INTERNAL MALE GENITAL ORGANS

Teaching lectures (2 classes)	Practical classes (2 classes)
• Internal male genital organs: - testis - epididymis - ductus deferens, funiculus spermaticus - ductus ejaculatori - vesiculae seminales, - prostata - glandulae bulbourethrales	• Identification and description of anatomic characteristics of internal male genital organs: (testis, epididymis, ductus deferens, ductus ejaculatori, vesiculae seminales, prostata, glandulae bulbourethrales, funiculus spermaticus - position, shape, surfaces, borders, dimensions, relations to organs, course, structure, vasculature and innervation)

EXTERNAL MALE GENITALS

Teaching lectures (2 classes)	Practical classes (2 classes)
• External male genitals: - penis - scrotum • Functional anatomy of erection	• Identification and description of anatomic characteristics of external male ganitals (penis - structure, parts, vasculature and innervation, functional anatomy of erection, urethra masculina – parts, course, narrowed an wider parts, curves, structure, vasculature and innervation, scrotum – position, structure, vasculature and innervation)

WEEKLY COURSE SCHEDULE

COURSE	MONDAY	TUESDAY
ANATOMY 1 **(6+5)**	**LECTURES** **08:00 - 12:45** (H3) **PRACTICE** **13:00 - 16:45** (R7, R8)	**PRACTICE** **14:15 - 18:00** (R7, R8)

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
1	1	**L**	Introduction to anatomy. Anatomy of the bones of the upper limb. The joints of the upper limb.	Prof. dr Ivana Živanović-Mačužić
1	1	**P**	Introduction to anatomy. Anatomy of the bones of the upper limb. The joints of the upper limb.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
1	1	**P**	Introduction to anatomy. Anatomy of the bones of the upper limb. The joints of the upper limb.	
1	2	**L**	Muscles of the upper limb	Prof. dr Maja Vulović
1	2	**P**	Muscles of the upper limb	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
1	2	**P**	Muscles of the upper limb	
1	3	**L**	Vasculature of the upper limb. Innervation of the upper limb.	Ass. Prof. dr Predrag Sazdanović
1	3	**P**	Vasculature of the upper limb. Innervation of the upper limb.	Prof. dr Ivana Živanović-Mačužić

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
1	3	**P**	Vasculature of the upper limb. Innervation of the upper limb.	Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
1	4	**L**	Anatomy of the bones of the lower limb. The joints of the lower limb.	Prof. dr Ivana Živanović-Mačužić
1	4	**P**	Anatomy of the bones of the lower limb. The joints of the lower limb.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
1	4	**P**	Anatomy of the bones of the lower limb. The joints of the lower limb.	
1	5	**L**	Muscles of the lower limb	Prof. dr Maja Vulović
1	5	**P**	Muscles of the lower limb	Prof. dr Ivana Živanović-Mačužić

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
1	5	**P**	Muscles of the lower limb	Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
1	6	**L**	Vasculature of the upper limb. Innervation of the lower limb.	Ass. Prof. dr Predrag Sazdanović
1	6	**P**	Vasculature of the upper limb. Innervation of the lower limb.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
1	6	**P**	Vasculature of the upper limb. Innervation of the lower limb.	
2	7	**L**	Anatomy of the chest wall. The bones, joints, musculature , vasculature and innervation of the thoracic wall	Prof. dr Ivana Živanović-Mačužić
2	7	**P**	Anatomy of the chest wall. The bones, joints, musculature , vasculature and innervation of the thoracic wall	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
2	7	**P**	Anatomy of the chest wall. The bones, joints, musculature, vasculature and innervation of the thoracic wall	Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	8	**L**	Anatomy of the breasts. Mediastinum. Trachea, Lungs and Lower airways.	Prof. dr Maja Vulović
2	8	**P**	Anatomy of the breasts. Mediastinum. Trachea, Lungs and Lower airways.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	8	**P**	Anatomy of the breasts. Mediastinum. Trachea, Lungs and Lower airways.	
2	9	**L**	The heart – external and internal aspect; vasculature, innervation and conducting system of the heart; Structure of the heart. Blood vessels of corona cordis. Surface projections of the heart. Pericardium. The elements of posterior mediastinum: sympathetic trunk – thoracic part, system of azygos vein, thoracic duct, esophagus	Prof. dr Ivana Živanović-Mačužić
2	9	**P**	The heart – external and internal aspect; vasculature, innervation and conducting system of the heart; Structure of the heart. Blood vessels of corona cordis. Surface projections of the heart. Pericardium. The elements of posterior mediastinum: sympathetic trunk – thoracic part, system of azygos vein, thoracic duct, esophagus	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
2	9	**P**	The heart – external and internal aspect; vasculature, innervation and conducting system of the heart; Structure of the heart. Blood vessels of corona cordis. Surface projections of the heart. Pericardium. The elements of posterior mediastinum: sympathetic trunk – thoracic part, system of azygos vein, thoracic duct, esophagus	dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
		TEST BY MODULE	**TEST – MODULE 1**	
2	10	**L**	The walls of abdominal cavity. Peritoneum. Inguinal and femoral canal. Compartments of abdominal cavity. The stomach. Vasculature and innervation of abdominal organs.	Prof. dr Ivana Živanović-Mačužić
2	10	**P**	The walls of abdominal cavity. Peritoneum. Inguinal and femoral canal. Compartments of abdominal cavity. The stomach. Vasculature and innervation of abdominal organs.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	10	**P**	The walls of abdominal cavity. Peritoneum. Inguinal and femoral canal. Compartments of abdominal cavity. The stomach. Vasculature and innervation of abdominal organs.	
2	11	**L**	Anatomy of the small and large intestine, the liver, billiary ducts and gallbladder. System v. portae. Anatomy of pancreas.	Prof. dr Maja Vulović
2	11	**P**	Anatomy of the small and large intestine, the liver, billiary ducts and gallbladder. System v. portae. Anatomy of pancreas.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
2	11	**P**	Anatomy of the small and large intestine, the liver, billiary ducts and gallbladder. System v. portae. Anatomy of pancreas.	Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	12	**L**	Anatomy of the spleen. Retroperitoneal space – anatomy of the kidneys, renal urinary ducts, ureter, suprarenal gland; abdominal aorta, v. cava inferior, sympathetic trunk – pars lubalis, lymphatic nodes of the abdominal cavity.	Ass. Prof. dr Predrag Sazdanović
2	12	**P**	Anatomy of the spleen. Retroperitoneal space – anatomy of the kidneys, renal urinary ducts, ureter, suprarenal gland; abdominal aorta, v. cava inferior, sympathetic trunk – pars lubalis, lymphatic nodes of the abdominal cavity.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	12	**P**	Anatomy of the spleen. Retroperitoneal space – anatomy of the kidneys, renal urinary ducts, ureter, suprarenal gland; abdominal aorta, v. cava inferior, sympathetic trunk – pars lubalis, lymphatic nodes of the abdominal cavity.	
2	13	**L**	The walls of the pelvic cavity. Vasculature and innervation of the palevic cavity.	Доц. др Предраг Саздановић
2	13	**P**	The walls of the pelvic cavity. Vasculature and innervation of the palevic cavity.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
2	13	**P**	The walls of the pelvic cavity. Vasculature and innervation of the palevic cavity.	Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	14	**L**	Internal female genital organs. External female genitals. Rectum.	Ass. Prof. dr Predrag Sazdanović
2	14	**P**	Internal female genital organs. External female genitals. Rectum.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
2	14	**P**	Internal female genital organs. External female genitals. Rectum.	
2	15	**L**	Urinary bladder and urethra. Internal male genital organs. External male genitals.	Prof. dr Maja Vulović
2	15	**P**	Urinary bladder and urethra. Internal male genital organs. External male genitals.	Prof. dr Ivana Živanović-Mačužić Prof. dr Maja Vulović

LESSONS SCHEDULE FOR THE COURSE ANATOMY 1

модул	недеља	тип наставе	назив методске јединице	наставник
2	15	**P**	Urinary bladder and urethra. Internal male genital organs. External male genitals.	Ass. Prof. dr Predrag Sazdanović Ass. Prof. dr Dejan Jeremić dr Miloš Stepović dr Kristijan Jovanović dr Marija Kovačević dr Ivona Banković dr Melanija Tepavčević
		TEST BY MODULE	**TEST – MODULE 2**	

ANATOMY 1

QUESTIONS FOR ORAL EXAM

ANATOMY OF UPPER LIMB

1. Clavicula
2. Scapula
3. Humerus
4. Radius
5. Ulna
6. Carpal bones
7. Metacarpal bones
8. Bones of the fingers
9. Acromioclavicular joint (Art.acromioclavicularis)
10. Sternoclavicular join (Art. sternoclavicularis)
11. Shoulder joint (Art. humeri)
12. Elbow joint (Art. cubiti)
13. Wrist joint (Art. radiocarpea)
14. Joints of the hand
15. Muscles of shoulder
16. Muscles of arm (anterior compartment)
17. Muscles of arm (posterior compartment)
18. Axillar fossa (walls and conetent)
19. Cubital fossa (walls and conetent)
20. Muscles of forearm (anterior compartment)
21. Muscles of forearm (posterior compartment)
22. Muscles of the hand (thenar muscles)
23. Muscles of the hand (hypothenar muscles)
24. Muscles of the hand (short muscles)
25. Carpal tunnel (canalis carpalis)
26. Ulnar canal (canalis carpi ulnaris)
27. Axillar artery (a. axillaris)
28. Brachial artery (a. brachialis)
29. Ulnar artery (a. ulnaris)
30. Radial artery (a. radialis)
31. Superficial palmar arch (Arcus palmaris superficialis)
32. Deep palmar arch (Arcus palmaris profundus)
33. Rete arteriosum humeri
34. Rete arteriosum cubiti (arterial anastomosis of elbow joint)
35. Rete carpi (arterial anastomosis of wrist joint)
36. Rete scapule et acromiale
37. Deep veins of upper limb
38. Superficial veins of upper limb
39. Plexus brachialis
40. Plexus brachialis – side branches
41. N. musculocutaneus
42. N. medianus
43. N. ulnaris
44. N. radialis
45. N. cutaneus brachi medialis
46. N. cutaneus antebrachi medialis
47. N. axillaris
48. Fossa radialis
49. Sulcus pulsus
50. Vascularization of the arm
51. Innervation of the arm
52. Vascularization of the forearm
53. Innervation of the forearm
54. Vascularization of the dorsal hand region
55. Vascularization of the palmar hand region
56. Innervation of the dorsal hand region
57. Innervation of the palmar hand region
58. Anterior arm (Regio brachi anterior)
59. Posterior arm (Regio brachi posterior)
60. Anterior forearm (Regio antebrachi anterior)
61. Posterior forearm (Regio antebrachi posterior)
62. Anterior region of the wrist
63. Posterior region of the wrist

ANATOMY OF LOWER LIMB

1. Hip bone (os coxae) – parts
2. Hip bone (os coxae) – surfaces and borders
3. Great and lesser schiatic foramen (Foramen ischiadicum majus et minus)
4. Femur
5. Patella
6. Tibia
7. Fibula
8. Tarsal bones (ossa tarsi)
9. Talus
10. Calcaneus
11. Metatarsal bones (ossa metatarsi)
12. Bones of the foot toes
13. Hip joint (Articulatio coxae)
14. Knee joint (Artculatio genus)
15. Joints of the bones of the leg
16. Ankle joint (Articulatio talocruralis)
17. Lower ankle joint
18. Articulatio tarsi transversa – Choparti
19. Articulationes tarsometatarseae - Lisfranci
20. Muscles of the gluteal region
21. Muscles of thigh (anterior group)
22. Muscles of thigh (medial group)
23. Muscles of thigh (posterior group)
24. Femoral triangle (Scarpa) – walls and content
25. Retro-inguinal space (hiatus subinguinalis)
26. Muscles of leg (anterior compartment)
27. Muscles of leg (posterior compartment)
28. Muscles of leg (lateral compartment)
29. Fossa poplitea – walls and content
30. Muscles of the foot (dorsal group)
31. Muscles of the foot (plantar group)
32. Adductor canal (Canalis adductorius – Hunteri)
33. Gluteal region
34. Anterior thigh region (Regio femoris anterior)
35. Posterior thigh region (Regio femoris posterior)
36. Medial thigh region (Regio femoris posterior)
37. Knee region
38. Anterior leg region (Regio cruris anterior)
39. Posterior leg region (Regio cruris posterior)
40. Lateral leg region (Regio cruris lateralis)
41. Tarsal canal (Canalis tarsalis)
42. A. iliaca interna, branches for the vascularization of the lower limb
43. A.femoralis - course, relations, side and terminal branches
44. A. profunda femoris - course, relations, side and terminal branches
45. A. poplitea - course, relations, side and terminal branches
46. A. tibialis anterior - course, relations, side and terminal branches
47. A. dorsalis pedis- course, relations, side and terminal branches
48. A. tibialis posterior- course, relations, side and terminal branches
49. A. plantaris lateralis- course, relations, side and terminal branches
50. A. plantaris medialis- course, relations, side and terminal branches
51. Deep veins of the lower limb
52. Superficial veins of the lower limb
53. Plexus lumbalis
54. N. iliohypogasticus
55. N. ilioinguinalis
56. N. genitofemoralis
57. N. cutaneus femoris
58. N. femoralis
59. N. obturatorius
60. Plexus sacralis
61. N. gluteus superior
62. N. gluteus inferior
63. N. cutaneus femoris posterior
64. N. ischiadicus
65. N. tibialis
66. N. plantaris lateralis
67. N. plantaris medialis
68. N. peroneus communis
69. N. peroneus profundus
70. N. peroneus superficialis
71. N. suralis
72. N. saphenous
73. Vascularization of the hip joint
74. Vascularization of the thigh
75. Innervation of the thigh
76. Vascularization of the knee joint
77. Innervation of the knee
78. Vascularization of the leg
79. Innervation of the leg
80. Vascularization of the foot
81. Innervation of the foot
82. Longitudinal arches of the foot (Arcus pedis longitudinalis)
83. Transversal arch of the foot (Arcus pedis transversalis)

ANATOMY OF THE THORAX

1. Sternum
2. Ribs (Costae)
3. Грудни кош у целини
4. Thoracic vertebrae (vertebrae thoracicae)
5. Vertebral column
6. The walls of the thoracic cavity
7. Joints of vertebral column
8. Ligaments of vertebral column
9. Joints of the thoracic wall
10. Costovertebral joints
11. Joints of sternum
12. Muscles of thoracic wall (antero-lateral group)
13. Diaphragm
14. Appertures and small oppenings of the diaphragm
15. Vascularization and innervation of diaphragm
16. Muscles of thoracic wall (dorsal-superficial group)
17. Muscles of thoracic wall (dorsal-deep group)
18. Arteries of thoracic wall
19. Veins of thoracic wall
20. Lyphatic nodes and vessels of thoracic wall
21. Innervation of thoracic wall
22. Nn. intercostales
23. Anatomy of the breasts
24. Vascularization and innervation of the breasts
25. Lymph drainage of then breasts
26. Thoracic cavity
27. Pulmonary cavity (Spatium pleuropulmonale)
28. Mediastinum
29. Lower airways
30. Trachea
31. Main bronchi (Bronchi principales)
32. Pulmonary root (Radix pulmonis)
33. Lungs – surfaces and borders
34. Fissures of the lungs
35. Lobes of the lungs
36. Right lung (pulmo dexter)
37. Left lung (pulmo sinister)
38. Bronchus lobaris
39. Surface projections of the lung lobes
40. Segments and segmental bronchi of the right lung
41. Segments and segmental bronchi of the left lung
42. Lung hilum (Hilum pulmonis)
43. Lobulus primaries pulmonis
44. Lobulus secundarius pulmonis
45. Acinus pulmonis
46. Arbor bronchialis
47. Vascularization of the lungs
48. Lymphatic drainage of the lungs
49. Innervation of the lungs
50. Pleura
51. Peleural reflections
52. Recessus costodiaphragmaticus
53. Recessus costomediastinalis
54. Vascularization and innervation of pleura
55. The heart – external aspect
56. Base of the heart (absis cordis)
57. Right atrium (atrium dextrum)
58. Right ventricle (ventriculus dexter)
59. Left atrium (atrium sinistrum)
60. Left ventricle (ventriculus sinister)
61. Septum cordis (срчана преграда)
62. Fibrous skeleton of the heart
63. Myocardium
64. Conducting system of the heart (Systema conducens cordis)
65. Innervation of the heart (plexus cardiacus)
66. Coronary arteries
67. Venous drainage of the heart
68. Surface projections of the heart (at anterior and posterior thoracic wall)
69. Surface projections of the atrioventricular oriffices and pulmonary trunk and aortic oriffices of the heart
70. Pericardium
71. Vascularization and innervation of the pericardium
72. Aorta
73. Pulmonary trunk (truncus pulmonalis)
74. Veins of the mediastinum
75. V. cava superior
76. System of azygos veins
77. Esophagus
78. Vascularization and innervation of esophagus
79. Nerves of thoracic cavity
80. Sympathetic trunk – thoracic part
81. Ganglion cervicothoracicum (stelatum)
82. Parasympathetic nerves of thoracic cavity
83. N. phrenicus
84. Lymph nodes of thoracic cavity
85. Thoracic duct (ductus thoracicus)
86. Right lymphatic duct (ductus lymphaticus dexter)
87. Thymus
88. A. thoracica interna
89. Intercostal muscles
90. Intercostal space

ANATOMY OF ABDOMEN

1. Boundaries of the abdomen; reference planes and abdominal regions
2. Abdominal walls - layers
3. Muscles of anterolateral abdominal wall
4. M. rectus abdominis
5. M. obliquus externus abdominis
6. M. obliquus internus abdominis
7. M. transversus abdominis
8. Muscles of posterior abdominal wall
9. Rectus sheath (Vagina m. recti abdominis)
10. Linea alba and umbilical ring
11. Inguinal canal (Canalis inguinalis)
12. Femoral ring (Anulus femoralis)
13. Lumbar triangles of posterior abdominal wall
14. Arteries of abdominal wall
15. Aorta abdominalis
16. Celiac trunk (Truncus coeliacus)
17. A. hepatica communis
18. A. lienalis (splenica)
19. A. mesenterica superior
20. A. mesenterica inferior
21. A. iliaca externa
22. V. cava inferior
23. V. portae
24. Portocaval anastomoses and their clinical significance
25. Plexus coeliacus
26. Peritoneum
27. Compartments of abdominal cavity
28. Omental bursa (Bursa omentalis)
29. Esophagus – pars abdominalis
30. Stomach – parts, surfaces, borders, relations
31. Superficial projections of the stomach (projections of oriffices, borders)
32. Posterior surface of the stomach - relations
33. Structure and ligaments of stomach
34. Lesser omentum (Omentum minus) and Greater omentum (omentum majus)
35. Vascularization and innervation of the stomach
36. Duodenum
37. Vascularization and innervation of duodenum
38. Jejunum
39. Ileum
40. Mesenterium
41. Structure of the small intestine
42. Vascularization and innervation of small intestine
43. Large intestine
44. Morphologic characteristics and structure of the large intestine
45. Cecum
46. Colon ascendens and colon transversum
47. Mesocolon transversum
48. Colon descendens and colon sygmoideum
49. Vascularization and innervation of large intestine
50. Liver – position, surface projections, surfaces, borders, lobes
51. Ligaments of the liver
52. Structure of the liver
53. Vascularization and innervation of the liver
54. Vv. hepaticae
55. Billiary ducts
56. Ductus choledocus
57. Gallbladder (Vesica fellea s. biliaris)
58. Pancreas - parts, surfaces and borders, relations
59. Retropanceratic venous tetragon
60. Pancreas – structure and relation to peritoneum
61. Vascularization and innervation of pancreas
62. Spleen – surfaces, borders, poles, position
63. Spleen – surface projection, ligaments and structure
64. Vascularization and innervation of spleen
65. Kidney – description, position, surface projections
66. Relations and the sheath of kidney
67. Structure of renal parenchyma
68. Nephron
69. Imtra renal urinary ducts
70. Vascularization of the kidney
71. V. renalis
72. Calices renales and pelvis renalis
73. Ureter
74. Suprarenal glands
75. Inervation of abdominal organs
76. Vascularization of abdominal organs
77. Retroperitoneal space
78. Lumbar vertebrae
79. Lymph nodes of retroperitoneal space

ANATOMY OF THE PELVIS

1. Sacral bone (Os sacrum)
2. Coccygeal bone (Os coccyges)
3. Apertura pelvis superior
4. Apertura pelvis inferior
5. Symphisis pubica
6. Articulatio sacroiliaca
7. Syndesmosis sacroischiadica (ligaments of sacral and ischiadic bone)
8. Joints of the pelvic part of vertebral column
9. Pelvic diaphragm (Diaphragma pelvis)
10. Deep perineal pouch (Spatium profundum perinei)
11. Superficial perineal pouch (Spatium superficiale perinei)
12. Fasciae pelvis
13. Regio analis
14. M. sphincter ani externus
15. A. iliaca interna
16. A. pudenda interna
17. Parietal branches of a. iliaca interna
18. Visceral branches of a. iliaca interna
19. A. uterina
20. Venous drainage of pelvic organs
21. Lymph nodes of pelvic cavity
22. N. pudendus
23. Plexus pelvicus s. hypogastricus inferior
24. Urinarry bladder – position, reltions to organs, fascia and peritoneum
25. Urinarry bladder – external aspect, parts and ligaments
26. Structure of urinary bladder
27. Vascularization and innervation of urinary bladder
28. Testis
29. Epididymis
30. Ductus deferens
31. Funiculus spermaticus
32. Vesiculae seminales
33. Ductus ejaculatorius
34. Prostata – surfaces, relations to organs, fascia and peritoneum
35. Prostata – structure and content
36. Bulboutethral glands (Gl. Bulbourethrales Cowperi)
37. Penis
38. Scrotum
39. Vascularization and innervation of external male genitals
40. Vascularization and innervation of internal male genitals
41. Functional anatomy of erection
42. Urethra masculine
43. Structure, vascularization and innervation of urethra masculina
44. Morphology, position and ligaments of ovarium
45. Structure, vascularization and innervation of the ovarium
46. Tuba uterina
47. Uterus – position and parts
48. Relations and ligaments of uterus
49. Structure, vascularization and innervation of uterus
50. Vagina
51. Labia majora et minora pudendi
52. Vestibulum vagine and glandulae vestibulares
53. Erectile female organs
54. Vascularization and innervation of the external female genitals
55. Urethra feminina
56. Rectum – parts, relations to organs and peritoneum, curves
57. Structure, vascularization and innervation of rectum
58. Canalis analis
59. Perineum
60. Fossa ischiorectalis (ischio-analis)
61. Canalis pudendalis –Alcok
62. Innervation of organs of pelvic cavity