

№	krok 2023
Topic	Pons
Task	A patient has dysfunction of masticatory muscles, caused by damage to the trigeminal motor nucleus. What part of the brain is damaged in this case?
Correct answer	Pons
B	Medulla oblongata
C	Diencephalon
D	Cerebellum
E	Mesencephalon
№	krok 2023
Topic	Lymphatic system
Task	A patient presents with a purulent inflammatory process in the thigh region (a post-injection abscess). Which lymph nodes become enlarged because of this process?
Correct answer	<i>Inguinal</i>
B	<i>Popliteal</i>
C	<i>Paratracheal</i>
D	<i>Posterior cervical</i>
E	<i>Submandibular</i>
№	krok 2023
Topic	Male reproductive system
Task	A patient has been diagnosed with hydrocele testis (an increase in the amount of fluid in a serous cavity). Between what testicular tunics can the pathological content be located in this case?
Correct answer	Between the parietal and visceral laminae of the tunica vaginalis of the testicle
B	Between the skin and tunica dartos
C	Between the tunica dartos and internal spermatic fascia
D	Between the internal spermatic fascia and tunica vaginalis of the testicle
E	Between the skin and cremaster muscle
№	krok 2023
Topic	Shoulder muscles
Task	After falling from a tree, a person has problems with extending an arm into a horizontal position. What muscle most likely has been injured in this case?
Correct answer	<i>M. deltoideus</i>

B	<i>M. triceps brachii</i>
C	<i>M. coracobrachialis</i>
D	<i>M. anconeus</i>
E	M. supinator
№	крок 2023
Topic	Liver
Task	During a surgery for gallstones in bile ducts, the surgeon must find the common hepatic duct. It is located between the layers of the following ligament:
Correct answer	<i>Hepatoduodenal ligament</i>
B	<i>Round ligament of the liver</i>
C	<i>Ligamentum venosum</i>
D	<i>Hepatogastric ligament</i>
E	<i>Hepatorenal ligament</i>
№	крок 2023
Topic	Heart
Task	Examination detects a dysfunction of the nodes in the patient's cardiac conduction system. In this case, blood circulation disorders have occurred in the basin of the following artery:
Correct answer	Right coronary artery
B	Left coronary artery
C	Circumflex branch of the left coronary artery
D	Right and left coronary arteries
E	Anterior interventricular branch of the left coronary artery
№	крок 2023
Topic	Large intestine
Task	Examination has detected a polyp in the distal part of the patient's large intestine. What is the localization of the polyp?
Correct answer	Rectum
B	Caecum
C	Colon sigmoideum
D	Colon descendens
E	Colon transversum
№	крок 2023
Topic	Lumbar plexus

Task	A man was hospitalized with an injury to the psoas major muscle. He has lost the ability to extend the lower leg in the knee joint. What nerve is damaged in this case?
Correct answer	Femoral
B	Genitofemoral
C	Ilioinguinal
D	Obturator
E	Iliohypogastric
№	krok 2023
Topic	Abdominal aorta
Task	A surgeon performs an operation on the sigmoid colon, stopping the bleeding from aa. Sigmoidae. They are the branches of the following artery:
Correct answer	A. mesenterica inferior
B	A. colica sinistra
C	Truncus coeliacus
D	A. mesenterica superior
E	A. colica dextra
№	krok 2023
Topic	Trigeminal nerve
Task	A patient has been diagnosed with atrophy of masticatory muscles. This group of muscles is innervated by branches of the following cranial nerve:
Correct answer	Third branch of the trigeminal nerve
B	Hypoglossal nerve
C	Motor branches of the VII cranial nerve
D	First branch of the trigeminal nerve
E	Second branch of the trigeminal nerve
№	krok 2023
Topic	Muscles of thigh
Task	A patient has a knee joint injury with a crushed patella. What muscle in the thigh is likely to have damaged tendons in case of such an injury?
Correct answer	Quadriceps femoris muscle
B	Adductor magnus muscle
C	Sartorius muscle

D	Adductor longus muscle
E	Biceps femoris muscle
№	krok 2023
Topic	Nasal cavity
Task	A 35-year-old man has been hospitalized with complaints of a runny nose and headache that last for 5 days already. After examination, he was diagnosed with maxillary sinusitis (inflammation of the maxillary sinus). Through what nasal passage did the infection reach this sinus?
Correct answer	Middle nasal meatus
B	Nasopharyngeal meatus
C	Superior nasal meatus
D	Common nasal meatus
E	Inferior nasal meatus
№	krok 2023
Topic	Carpal joint
Task	A patient has an injury of the radiocarpal joint. What bones of the proximal row of the wrist (except the pisiform bone) form this joint?
Correct answer	Scaphoid, lunate, triquetral
B	Scaphoid, trapezoid, lunate
C	Scaphoid, trapezoid, hamate
D	Trapezoid, hamate, lunate
E	Scaphoid, hamate
№	krok 2023
Topic	Membranes of the brain
Task	X-ray detects a shadow in the area of the patient's dural sinus that runs from the crista galli of the ethmoid bone of the skull to the internal occipital protuberance. In this case, pathological changes can be detected in the area of the following sinus:
Correct answer	Sinus sagittalis superior
B	Sinus rectus
C	Sinus sigmoideus
D	Sinus sagittalis inferior
E	Sinus transversus
№	krok 2023
Topic	Abdominal aorta
Task	During a surgery for a splenic injury, the surgeon must ligate the artery that supplies the spleen with blood. This artery is a branch of:

Correct answer	Truncus coeliacus
B	A. gastroduodenalis
C	A. hepatica propria
D	A. gastrica sinistra
E	A. hepatica communis
№	krok 2017
Topic	Respiratory system.
Task	A 35-year-old man has been delivered into a surgical ward with a suppurating wound in the neck, anterior to the trachea (previsceral space). If a surgical operation is not performed urgently, there is a risk of infection spreading to the:
Correct answer	Thoracic cavity - anterior mediastinum
B	Thoracic cavity - middle mediastinum
C	Thoracic cavity - posterior mediastinum
D	Retrovisceral space
E	Interaponeurotic suprasternal space
№	krok 2017
Topic	Central nervous system.
Task	The patient's pyramids of the medulla oblongata are damaged by tumor growth. As a result the conduction of nervous impulses will be impaired in the following pathway:
Correct answer	<i>Tr. corticospinalis</i>
B	<i>Tr. corticonuclearis</i>
C	<i>Tr. corticopontinus</i>
D	<i>Tr. dentatorubralis</i>
E	<i>Tr. spinocerebellaris</i>
№	krok 2017
Topic	Digestive system.
Task	A patient complains of pain in the upper umbilical region. On palpation there is a mobile painful intestine. What intestine is being palpated by the doctor?
Correct answer	Transverse colon
B	Jejunum
C	Duodenum
D	Ileum
E	Sigmoid colon

№	krok 2017
Topic	Muscles
Task	Paronychia of the patient's little finger was complicated with phlegmon of the hand and forearm. In this case the suppuration had spread through the:
Correct answer	<i>Vagina synovialis communis mm. flexorum</i>
B	<i>Vagina tendinis m. flexor pollicis longi</i>
C	<i>Canalis carpalis</i>
D	<i>Vagina tendinis m. flexor carpi radialis</i>
E	Interfascial compartments
№	krok 2017
Topic	Heart. Vascular system.
Task	During cholecystectomy besides <i>a. cystyca</i> another artery was pulled into the ligature. Ligation of this artery resulted in right-sided necrosis of the liver which led to the death of the patient. What artery was mistakenly ligated along with <i>a. cystyca</i> ?
Correct answer	<i>Ramus dexter a. hepatica propria</i>
B	<i>A. hepatica communis</i>
C	<i>A. gasro-duodenalis</i>
D	<i>Ramus sinister a. hepatica propria</i>
E	<i>A. pancreato-duodenalis sup</i>
№	krok 2017
Topic	Heart. Vascular system.
Task	A patient with periodontitis of the lower molar came to the doctor. It was determined that the inflammatory process spread to the lymph nodes. What lymph nodes were the first to be affected by the inflammatory process?
Correct answer	Submandibular
B	Lateral cervical
C	Anterior cervical
D	Submental
E	Facial
№	krok 2017
Topic	Central nervous system.
Task	Examination of the patient with traumatic brain injury revealed that he has lost the ability to discern the movement of an object on the skin. What part of the cerebral cortex is damaged?
Correct answer	Posterior central gyrus

B	Occipital lobe
C	Parietal lobe
D	Frontal lobe
E	Anterior central gyrus
№	krok 2017
Topic	Cranial nerves
Task	After a case of cold the patient developed a lacrimation disorder. This disorder was caused by functional disturbance of the following autonomic ganglion:
Correct answer	Pterygopalatine
B	Ciliary
C	Otic
D	Submandibular
E	Sublingual
№	krok 2017
Topic	Urogenital system.
Task	Histological specimen of the ovary shows large hollow structures. Primary oocyte within these structures is surrounded with transparent membrane and radiating crown and is situated in the <i>cumulus oophorus</i> , the wall is made of follicular cell layer and theca. What ovarian structure can be characterized by these morphological features?
Correct answer	Mature (tertiary) follicle
B	Primordial follicle
C	Primary follicle
D	<i>Corpus luteum</i>
E	<i>Corpus atreticum</i>
№	krok 2017
Topic	Heart. Vascular system.
Task	Histological specimen demonstrates a parenchymal organ with cortical and medullary substances. The cortical substance is composed of bands of epithelial cells with capillary blood vessels between them. The bands form three zones. The medullary substance consists of chromaffin cells and venous sinusoids. What organ can be characterized by these morphological features?
Correct answer	Adrenal gland
B	Kidney
C	Lymph node
D	Thymus

E	Thyroid gland
№	krok 2017
Topic	Respiratory system.
Task	A patient undergoes right-sided pneumonectomy due to lung cancer. Name the anatomical structures of the right lung radix (downward order):
Correct answer	Bronchus, artery, veins
B	Artery, bronchus, veins
C	Artery, veins, bronchus
D	Veins, artery, bronchus
E	Veins, bronchus, artery
№	krok 2017
Topic	Central nervous system.
Task	A 64-year-old woman presents with disturbed fine motor function of her fingers, marked muscle rigidity, and tremor. The neurologist diagnosed her with Parkinson's disease. What brain structures are damaged resulting in this disease?
Correct answer	Substantia nigra
B	Thalamus
C	Red nuclei
D	Cerebellum
E	Reticular formation
№	krok 2017
Topic	Heart. Vascular system.
Task	Histological specimen shows organ parenchyma to consist of lymphoid tissue that forms lymph nodules; the nodules are located diffusely and have a central artery. What anatomical structure has such morphological characteristics?
Correct answer	Spleen
B	Tonsil
C	Lymph node
D	Thymus
E	Red bone marrow
№	krok 2017
Topic	Urogenital system.
Task	A young man came to a hospital with complaints of disturbed urination. Examination of his external genitalia revealed the urethra to be split on the top, with urine flowing out of this opening. What type of external genitalia maldevelopment is observed in this case?



Correct answer	Epispadia
B	Phimosis
C	Hermaphroditism
D	Paraphimosis
E	Hypospadias
№	krok 2017
Topic	Central nervous system.
Task	During experiment a part of the brain was extracted, which resulted in asynergy and dysmetria development in the test animal. What part of the brain was extracted in the animal?
Correct answer	Cerebellum
B	Frontal lobe
C	Parietal lobe
D	Mesencephalon
E	Reticulum
№	krok 2017
Topic	Heart. Vascular system.
Task	A specimen shows an organ covered with connective tissue capsule with trabeculae radiating inward the organ. The organ's cortex contains lymph nodules; there are medullary cords made of lymphoid cells. What organ is under study?
Correct answer	Lymph node
B	Thymus
C	Spleen
D	Red bone marrow
E	Tonsils
№	krok 2017
Topic	Respiratory system.
Task	A woman suffers from tonsillitis complicated with retropharyngeal abscess that is localized in the <i>spatium retroviscerale</i> . In this case the suppurative process can spread to the:
Correct answer	<i>Mediastinum posterius</i>
B	<i>Spatium interaponeuroticum suprasternale</i>
C	<i>Mediastinum anterius</i>
D	<i>Spatium pretracheale</i>
E	<i>Spatium interscalenum</i>

№	krok 2017, 2016, 2014
Topic	Skeleton
Task	A patient complains of acute pain attacks in the right lumbar region. During examination the nephrolithic obturation of the right ureter in the region between its abdominal and pelvic segments has been detected. What anatomical boundary exists between those two segments?
Correct answer	<i>Linea terminalis</i>
B	<i>Linea semilunaris</i>
C	<i>Linea arcuata</i>
D	<i>Linea transversa</i>
E	<i>Linea inguinalis</i>
№	krok 2017, 2014
Topic	Central nervous system.
Task	As a result of past encephalitis, a man has developed an increase in cerebrospinal fluid pressure in the right lateral ventricle. What can be the cause of this condition?
Correct answer	Closure of the right interventricular foramen
B	Closure of the left interventricular foramen
C	Atresia of the tubus medullaris
D	Atresia of the sylvian aqueduct
E	Atresia of the fourth ventricle foramina
№	krok 2017
Topic	Joints
Task	A patient is diagnosed with compression fracture of the lumbar vertebra. The patient presents with acutely increased lumbar lordosis. What ligament was damaged in this patient resulting in such deformation of vertebral column curvature?
Correct answer	Anterior longitudinal ligament
B	Posterior longitudinal ligament
C	Yellow ligament
D	Iliolumbar ligament
E	Interspinal ligament
№	krok 2017
Topic	Digestive system.
Task	A woman was delivered to a gynecological unit with signs of acute abdomen and suspected extrauterine pregnancy with oviduct rupture. Where will the blood accumulate in this case?

Correct answer	Rectouterine pouch
B	Vesicouterine pouch
C	Retrovesical pouch
D	Right lateral canal
E	Left lateral canal
№	krok 2017, 2016
Topic	Central nervous system.
Task	A patient had a trauma that caused dysfunction of motor centers regulating activity of head muscles. These centers can normally be located in the following area of the cerebral cortex:
Correct answer	Inferior part of the precentral gyrus
B	Superior part of the precentral gyrus
C	Supramarginal gyrus
D	Superior parietal lobule
E	Angular gyrus
№	krok 2017
Topic	Heart. Vascular system.
Task	The brain trauma unit received a patient with damaged greater wing of the sphenoid bone. The fracture line crosses the spinous foramen of the sphenoid. What vessel was damaged?
Correct answer	Middle meningeal artery
B	Superficial temporal artery
C	Lateral pterygoid artery
D	Anterior deep temporal artery
E	Posterior deep temporal artery
№	krok 2017, 2016
Topic	Central nervous system.
Task	Parkinson's disease is caused by disturbance of dopamine synthesis. What brain structure synthesizes this neurotransmitter?
Correct answer	Substantia nigra
B	Globus pallidus
C	Corpora quadrigemina
D	Red nuclei
E	Hypothalamus
№	krok 2017

Topic	Digestive system.
Task	During surgery performed in the abdominal cavity a surgeon located li-gament of liver stretching from anterior abdominal wall (navel) to inferior surface of liver. What ligament is it?
Correct answer	Round ligament of the liver
B	Falciform ligament of the liver
C	Coronary ligament of the liver
D	Venous ligament of the liver
E	Triangular ligament of the liver
№	krok 2017
Topic	Heart. Vascular system.
Task	An injured person with wound of the anterior cervical region presents with hemorrhage. The outflowing blood is dark. What vessel is damaged?
Correct answer	<i>V. jugularis anterior</i>
B	<i>V. jugularis externa</i>
C	<i>V. jugularis interna</i>
D	<i>A. carotis externa</i>
E	<i>A. thyroidea superior</i>
№	krok 2017
Topic	Cranial nerves
Task	Due to trauma the patient presents wi-th disturbed function of the parotid gland. What nerve ensures its secretion function?
Correct answer	<i>N. petrosus minor</i>
B	<i>N. petrosus major</i>
C	<i>N. petrosus profundus</i>
D	<i>N. auricularis minor</i>
E	<i>N. auricularis major</i>
№	krok 2016
Topic	Respiratory system.
Task	A 35-year-old man has been deli-vered into a surgical ward with a suppurati-ng wound in the neck, anterior to trachea (previsceral space). If a surgical operation is not performed urgently, there is a risk of infection spreading to:
Correct answer	Thoracic cavity - anterior mediastinum
B	Thoracic cavity - middle mediastinum
C	Thoracic cavity - posterior mediastinum

D	Retrovisceral space
E	Interaponeurotic suprasternal space
№	krok 2016
Topic	Central nervous system.
Task	After a traffic accident a 36-year-old patient has developed muscle paralysis of the extremities on the right, lost pain and thermal sensitivity on the left, and partially lost tactile sensitivity on both sides. What part of the brain is the most likely to be damaged?
Correct answer	Right-hand side of the spinal cord
B	Motor cortex on the left
C	Left-hand side of the spinal cord
D	Anterior horn of the spinal cord
E	Posterior horn of the spinal cord
№	krok 2016, 2014
Topic	Heart. Vascular system.
Task	While examining foot blood supply a doctor checks the pulsation of a large artery running in the separate fibrous channel in front of <i>articulatio talocruralis</i> between the tendons of long extensor muscles of hallux and toes. What artery is it?
Correct answer	<i>A. dorsalis pedis</i>
B	<i>A. tibialis anterior</i>
C	<i>A. tarsea medialis</i>
D	<i>A. tarsea lateralis</i>
E	<i>A. fibularis</i>
№	krok 2016
Topic	Peripheral nerves
Task	A man arrived into a traumatological department with a trauma of the right shoulder. Examination revealed a displaced humeral shaft fracture on the right in the middle one-third of the humerus; the patient cannot extend the fingers of his right hand. What nerve is damaged?
Correct answer	Radial
B	Ulnar
C	Median
D	Musculocutaneous
E	Axillary
№	krok 2016
Topic	Central nervous system.

Task	Due to destruction of certain structures of the brainstem an animal has lost its orientation reflexes in response to strong light stimuli. What structures were destroyed?
Correct answer	Anterior quadrigeminal bodies
B	Posterior quadrigeminal bodies
C	Red nuclei
D	Vestibular nuclei
E	Substantia nigra
№	krok 2016
Topic	Heart. Vascular system.
Task	Angiocardiology of a 60-year-old man revealed constriction of a vessel located in the left coronary sulcus of the heart. Name this pathological vessel:
Correct answer	<i>Ramus circumflexus</i>
B	<i>Ramus interventricularis posterior</i>
C	<i>A. coronaria dextra</i>
D	<i>V. cordis parva</i>
E	<i>Ramus interventricularis anterior</i>
№	krok 2016, 2015
Topic	Digestive system.
Task	A patient complains of pain in the right lateral abdomen. Palpation revealed a dense, immobile, tumor-like formation. The tumor is likely to be found in the following part of the digestive tube:
Correct answer	<i>Colon ascendens</i>
B	<i>Colon transversum</i>
C	<i>Colon descendens</i>
D	<i>Colon sigmoideum</i>
E	<i>Caecum</i>
№	krok 2016
Topic	Organs of immune and endocrine systems
Task	A specimen shows an organ covered with the connective tissue capsule with radiating trabeculae. There is also cortex containing lymph nodules, and medullary cords made of lymphoid cells. What organ is under study?
Correct answer	Lymph node
B	Thymus
C	Spleen

D	Red bone marrow
E	Tonsils
№	krok 2016
Topic	Central nervous system.
Task	After a craniocerebral injury a patient has lost the ability to recognize shapes of objects by touch (stereognosis). What area of cerebral cortex normally contains the relevant center?
Correct answer	Superior parietal lobule
B	Inferior parietal lobule
C	Supramarginal gyrus
D	Postcentral gyrus
E	Angular gyrus
№	krok 2016
Topic	Muscles
Task	A patient has been delivered into a surgical ward with an incised wound of the anterior surface of the shoulder in its lower one-third. Flexing function was disrupted in the shoulder and elbow joints, which is caused by the damage to the:
Correct answer	Biceps muscle of the arm
B	Triceps muscle of the arm
C	Anconeus muscle
D	Deltoid muscle
E	Coracobrachial muscle
№	krok 2016
Topic	Central nervous system.
Task	Vestibular receptors of semicircular canals of an animal have been destroyed. What reflexes will disappear as a result?
Correct answer	Statokinetic reflex during movements with angular acceleration
B	Statokinetic reflex during movements with linear acceleration
C	Head-righting reflex
D	Body-righting reflex
E	Primary orienting reflex
№	krok 2016
Topic	Organs of immune and endocrine systems
Task	Histological specimen of a hemopoietic organ shows clusters of node- and band-shaped lymphocytes that along with stroma elements compose cortical and medullar substances. Name this organ:

Correct answer	Lymph node
B	Spleen
C	Red bone marrow
D	Thymus
E	Palatine tonsil
№	krok 2016
Topic	Digestive system.
Task	A surgeon has detected inflammation of the Meckel's diverticulum in a patient. During surgical invasion it can be located in the:
Correct answer	Ileum
B	Jejunum
C	Colon
D	Duodenum
E	Sigmoid colon
№	krok 2016, 2010
Topic	Digestive system.
Task	Examination of a patient revealed hypertrophy and inflammation of lymphoid tissue, edema of mucous membrane between palatine arches (acute tonsillitis). What tonsil is normally situated in this area?
Correct answer	<i>Tonsilla palatina</i>
B	<i>Tonsilla pharyngealis</i>
C	<i>Tonsilla tubaria</i>
D	<i>Tonsilla lingualis</i>
E	-
№	krok 2016, 2015, 2013
Topic	Digestive system.
Task	A specimen of a parenchymal organ shows poorly delineated hexagonal lobules surrounding a central vein, and the interlobular connective tissue contains embedded triads (an artery, a vein and an excretory duct). What organ is it?
Correct answer	Liver
B	Pancreas
C	Thymus
D	Spleen
E	Thyroid
№	krok 2016



Topic	Respiratory system.
Task	An oncology department has admitted a patient with suspected pulmonary tumor. On examination a pathology localized within the lower lobe of the right lung was detected. How many bronchopulmonary segments are there in this lobe?
Correct answer	5
B	6
C	4
D	3
E	2
№	krok 2016
Topic	Sensory organs.
Task	A patient demonstrates functional loss of nasal halves of the retinas. What area of visual pathways is affected?
Correct answer	Optic chiasm
B	Left optic tract
C	Right optic tract
D	Left optic nerve
E	Right optic nerve
№	krok 2016
Topic	Central nervous system.
Task	A patient with injury sustained to a part of the central nervous system demonstrates disrupted coordination and movement amplitude, muscle tremor during volitional movements, poor muscle tone. What part of the central nervous system was injured?
Correct answer	Cerebellum
B	Medulla oblongata
C	Oliencephalon
D	Mesencephalon
E	Prosencephalon
№	krok 2016
Topic	Digestive system.
Task	A woman complaining of sharp pain in her lower abdomen has been delivered into an admission room. A gynecologist on examination makes a provisional diagnosis of extrauterine pregnancy. What anatomical structure should be punctated to confirm diagnosis?
Correct answer	Rectouterine pouch
B	Utriculosaccular chamber
C	Recto-vesical pouch

D	Retropubic space
E	Intersigmoidal recess
№	krok 2016
Topic	Central nervous system.
Task	Parenchyma of an organ is composed of pseudounipolar neurons localized under the capsule of connective tissue. Central place belongs to nerve fibers. Name this organ:
Correct answer	Spinal ganglion
B	Sympathetic ganglion
C	Intramural ganglion
D	Nerve trunk
E	Spinal cord
№	krok 2016, 2015
Topic	Heart. Vascular system.
Task	During appendectomy a patient had the <i>a. appendicularis ligated</i> . This vessel branches from the following artery:
Correct answer	<i>A. ileocolica</i>
B	<i>A. colica dextra</i>
C	<i>A. colica media</i>
D	<i>A. sigmoidea</i>
E	<i>A. mesenterica inferior</i>
№	krok 2016, 2015, 2014
Topic	Muscles
Task	During a surgery for femoral hernia a surgeon operates within the boundaries of femoral trigone. What structure makes up its upper margin?
Correct answer	<i>Lig. inguinale</i>
B	<i>Arcus iliopectineus</i>
C	<i>Lig. lacunare</i>
D	<i>Lig. pectinale</i>
E	<i>Fascia lata</i>
№	krok 2016
Topic	Heart. Vascular system.
Task	A 29-year-old man with a knife wound of the neck presents with bleeding. During the initial disbridement of the wound a surgeon revealed the injury of a vessel situated along the lateral edge of the sternocleidomastoid muscle. Specify this vessel:

Correct answer	<i>V. jugularis externa</i>
B	<i>V. jugularis anterior</i>
C	<i>A. carotis externa</i>
D	<i>A. carotis interna</i>
E	<i>V. jugularis interna</i>
№	krok 2016
Topic	Peripheral nerves
Task	A patient addressed a hospital with complaints of lost sensitivity of the skin of the little finger. What nerve is the most likely to be damaged?
Correct answer	Ulnar
B	Median
C	Radial
D	Musculocutaneous
E	Medial cutaneous nerve of the forearm
№	krok 2016
Topic	Central nervous system.
Task	During experiment a dog has developed conditioned digestive reflex in response to a sound stimulus. This conditioned reflex will not be exhibited anymore after the extirpation of the following areas of the cerebral hemispheres:
Correct answer	Temporal lobe on both sides
B	Occipital lobe on one side
C	Parietal lobe on both sides
D	Temporal lobe on one side
E	Occipital lobe on both sides
№	krok 2016, 2015
Topic	Digestive system.
Task	During examination of a patient a doctor should use anatomical division of anterior abdominal wall into regions for more precise diagnostics. How many regions can abdomen be divided into?
Correct answer	9
B	8
C	6
D	5
E	4

№	krok 2016
Topic	Heart. Vascular system.
Task	A child has a wound located posterior to the mastoid process. Bright red blood flows from the wound. Damaged are the branches of the following artery:
Correct answer	<i>A. occipitalis</i>
B	<i>A. temporalis superior</i>
C	<i>A. maxillaris</i>
D	<i>A. carotis externa</i>
E	<i>A. carotis interna</i>
№	krok 2015
Topic	Urogenital system.
Task	Doctors make mostly radial incisions during mammary gland surgery. What particulars of anatomical organization make such surgical technique preferable?
Correct answer	Lobe apexes converge towards nipples
B	Lobe bases radiate from nipples
C	Transversal position of gland lobes
D	Vertical position of gland lobes
E	-
№	krok 2015
Topic	Digestive system.
Task	A surgeon has to find the common hepatic duct during operative intervention for treatment of concrements in the gall ducts. The common hepatic duct is located between the leaves of:
Correct answer	Hepatoduodenal ligament
B	Hepatogastric ligament
C	Hepatorenal ligament
D	Round ligament of liver
E	Venous ligament
№	krok 2015
Topic	Central nervous system.
Task	As a result of a continuous chronic encephalopathy a patient has developed spontaneous motions and disorder of torso muscle tone. These are the symptoms of the disorder of the following conduction tract:
Correct answer	<i>Tractus rubrospinalis</i>

B	<i>Tractus corticospinalis</i>
C	<i>Tractus corticonuclearis</i>
D	<i>Tractus spinothalamicus</i>
E	<i>Tractus tectospinalis</i>
№	крок 2015
Topic	Heart. Vascular system.
Task	Angiocardiology of a 60-year-old man revealed constriction of the vessel located in the left coronary sulcus of his heart. Name this pathological vessel:
Correct answer	<i>Ramus circumflexus</i>
B	<i>Ramus interventricularis posterior</i>
C	<i>A. coronaria dextra</i>
D	<i>V. cordis parva</i>
E	<i>Ramus interventricularis anterior</i>
№	крок 2015
Topic	Respiratory system.
Task	When playing a child received a hit to the presternum region. As a result of this trauma an organ located behind the presternum was damaged. Name this organ:
Correct answer	Thymus
B	Thyroid gland
C	Heart
D	Pericardium
E	Larynx
№	крок 2015
Topic	Heart. Vascular system.
Task	A doctor examined a patient, studied the blood analyses, and reached a conclusion, that peripheral immunogenesis organs are affected. What organs are the most likely to be affected?
Correct answer	Tonsils
B	Thymus
C	Kidneys
D	Red bone marrow
E	Yellow bone marrow
№	крок 2015

Topic	Muscles
Task	A doctor asked a patient to make a deep exhalation after a normal inhalation. What muscles contract during such exhalation?
Correct answer	Abdominal muscles
B	External intercostal muscles
C	Diaphragm
D	Trapezius muscles
E	Pectoral muscles
№	krok 2015, 2010
Topic	Sensory organs.
Task	Surface with an intact toad on it was inclined to the right. Tone of extensor muscles became reflectory higher due to the activation of the following receptors:
Correct answer	Vestibuloreceptors of utricle and saccule
B	Vestibuloreceptors of semicircular ducts
C	Mechanoreceptors of foot skin
D	Photoreceptors of retina
E	Proprioreceptors
№	krok 2015
Topic	Central nervous system.
Task	A patient had a trauma that caused dysfunction of motor centres regulating activity of head muscles. In what parts of cerebral cortex can the respective centre normally be located?
Correct answer	Inferior part of precentral gyrus
B	Superior part of precentral gyrus
C	Supramarginal gyrus
D	Superior parietal lobule
E	Angular gyrus
№	krok 2015, 2012, 2011
Topic	Skull
Task	Examination of a 6-month-old child revealed a delay in closure of the occipital fontanelle. When should it normally close?
Correct answer	Before 3 months
B	Before the child is born
C	Before 6 months
D	Before the end of the first year of life

E	
№	krok 2015
Topic	Skeleton
Task	An obstetrician-gynecologist measures pelvis size of a pregnant woman. A caliper was used to measure the distance between the two iliac crests. What measurement of large pelvis was made?
Correct answer	<i>Distantia cristarum</i>
B	<i>Distantia throchanterica</i>
C	<i>Distantia spinarum</i>
D	<i>Conjugata vera</i>
E	<i>Conjugata anatomica</i>
№	krok 2015
Topic	Cranial nerves
Task	A patient has a tumor of the eyesocket tissues behind the eyeball. Disruption of accommodation and pupil constriction is observed. What anatomical structure is damaged?
Correct answer	<i>Ganglion ciliare</i>
B	<i>N. nasociliaris</i>
C	<i>N. lacrimalis</i>
D	<i>N. opticus</i>
E	<i>N. trochlearis</i>
№	krok 2015
Topic	Central nervous system.
Task	A patient has damaged spinal cord white matter in the middle area of the posterior white column, disrupted proprioceptive sensibility of the lower limb joints and muscles. What fibers are affected?
Correct answer	<i>Fasciculus gracilis</i>
B	<i>Tr. spinothalamicus lateralis</i>
C	<i>Tr. spinocerebellaris anterior</i>
D	<i>Tr. spinocerebellaris posterior</i>
E	<i>Fasciculus cuneatus</i>
№	krok 2015, 2014
Topic	Heart. Vascular system.
Task	A patient has been found to have a marked dilatation of the saphenous veins in the region of anterior abdominal wall around the navel. This is symptomatic of pressure increase in the following vessel:

Correct answer	<i>V. portae hepatis</i>
B	<i>V. cava superior</i>
C	<i>V. cava inferior</i>
D	<i>V. mesenterica inferior</i>
E	<i>V. mesenterica superior</i>
№	krok 2015
Topic	Central nervous system.
Task	Parkinson's disease is caused by disruption of dopamine synthesis. What brain structure synthesizes this neurotransmitter?
Correct answer	Substantia nigra
B	Globus pallidus
C	Corpora quadrigemina
D	Red nucleus
E	Hypothalamus
№	krok 2015
Topic	Sensory organs.
Task	A soldier with explosion-caused trauma was delivered to a hospital. Examination revealed his tympanic membrane to be intact. What defense reflex prevented the tympanic membrane from rupturing?
Correct answer	Contraction of m. tensor tympani
B	Relaxation of m. tensor tympani
C	Contraction of m. auricularis anterior
D	Relaxation of m. auricularis anterior
E	Relaxation of m. stapedius
№	krok 2015
Topic	Digestive system.
Task	During surgery performed in abdominal cavity a surgeon located ligament of liver stretching from anterior abdominal wall (navel) to inferior surface of liver. What ligament is it?
Correct answer	Round ligament of the liver
B	Falciform ligament of the liver
C	Coronary ligament of the liver
D	Venous ligament of the liver
E	Triangular ligament of the liver
№	krok 2015



Topic	Heart. Vascular system.
Task	A patient with suspected necrosis of the upper abdominal cavity organs was delivered to a surgical department. This condition is associated with acute circulatory disturbance of the following vessel:
Correct answer	<i>Tuncus coeliacus</i>
B	<i>A. mesenterica inferior</i>
C	<i>A. mesenterica superior</i>
D	<i>A. iliaca communis</i>
E	<i>A. renalis</i>
№	krok 2014
Topic	Muscles
Task	A comminuted fracture of infraglenoid tubercle caused by shoulder joint injury has been detected during X-ray examination of a patient. What muscle tendon attached at this site has been damaged?
Correct answer	Long head of <i>m. triceps brachii</i>
B	Long head of <i>m. biceps brachii</i>
C	Medial head of <i>m. triceps brachii</i>
D	Lateral head of <i>m. triceps brachii</i>
E	Short head of <i>m. biceps brachii</i>
№	krok 2014
Topic	Muscles
Task	A 42-year-old male with a lesion of the ulnar nerve is unable to flex the II and V fingers to the midline. Which muscle function is impaired in this case?
Correct answer	Palmar interosseous muscles
B	Dorsal interosseous muscle
C	Fidicinales
D	Short palmar muscle
E	Abductor muscle of little finger
№	krok 2014
Topic	Central nervous system.
Task	After a craniocerebral injury a patient is unable to recognize objects by touch. What part of brain has been damaged?
Correct answer	Postcentral gyrus
B	Occipital lobe
C	Temporal lobe

D	Precentral gyrus
E	E.Cerebellum
№	krok 2014
Topic	Central nervous system.
Task	As a result of a continuous chronic encephalopathy, a patient has developed spontaneous motions and a disorder of torso muscle tone. These are the symptoms of the disorder of the following conduction tract:
Correct answer	<i>Tractus rubrospinalis</i>
B	<i>Tractus corticospinalis</i>
C	<i>Tractus corticonuclearis</i>
D	<i>Tractus spinothalamicus</i>
E	<i>Tractus tectospinalis</i>
№	krok 2014
Topic	Central nervous system.
Task	As a result of a craniocerebral injury, a patient has a decreased skin sensitivity. What area of the cerebral cortex is likely to be damaged?
Correct answer	Posterior central gyrus
B	Occipital region
C	Cingulate gyrus
D	Frontal cortex
E	Anterior central gyrus
№	krok 2014
Topic	Digestive system.
Task	A 40-year-old patient has ulcer perforation in the posterior wall of stomach. What anatomical structure will blood and stomach content leak to?
Correct answer	Bursa omentalis
B	Bursa praegastrica
C	Right lateral channel (canalis lateralis dexter)
D	Left lateral channel (canalis lateralis sinister)
E	Bursa hepatica
№	krok 2014
Topic	Heart. Vascular system.

Task	Angiocardiology of a 60-year-old male patient revealed constriction of a vessel located in the left coronary sulcus of the heart. What is the pathological vessel called?
Correct answer	<i>Ramus circumflexus</i>
B	<i>Ramus interventricularis posterior</i>
C	<i>A. coronaria dextra</i>
D	<i>V.cordis parva</i>
E	<i>Ramus interventricularis anterior</i>
№	krok 2014, 2013
Topic	Digestive system.
Task	A patient complains of pain in the right lateral abdomen. Palpation revealed a dense, immobile, tumor-like formation. A tumor is likely to be found in the following part of the digestive tube:
Correct answer	<i>Colon ascendens</i>
B	<i>Colon transversum</i>
C	<i>Colon descendens</i>
D	<i>Colon sigmoideum</i>
E	<i>E.Caecum</i>
№	krok 2014
Topic	Sensory organs.
Task	A female patient has facial neuritis that has caused mimetic paralysis and hearing impairment. Hearing impairment results from the paralysis of the following muscle:
Correct answer	Stapedius muscle
B	Anterior auricular muscle
C	Superior auricular muscle
D	Posterior auricular muscle
E	Nasal muscle
№	krok 2014
Topic	Sensory organs.
Task	The receptors under study provide transfer of information to the cortex without thalamic involvement. Specify these receptors:
Correct answer	Olfactory
B	Tactile
C	Gustatory
D	Visual

E	Auditory
№	krok 2014
Topic	Skull
Task	A male patient complains of skin insensitivity of inferior eyelid, external lateral surface of nose and upper lip. A doctor in the course of examination has revealed inflammation of the second branch of trigeminal nerve. What cranial foramen does this branch go through?
Correct answer	Supraorbital
B	Lacerum
C	Superior orbital fissure
D	Spinosum
E	Oval
№	krok 2014
Topic	Heart. Vascular system.
Task	X-ray examination of a patient allowed to diagnose a tumor in the superior lobe of the right lung. There is a probability of metastases spread to the following lymph nodes:
Correct answer	Sternal
B	Inferior mediastinum
C	Anterior mediastinum
D	Axillary
E	Deep lateral cervical
№	krok 2014
Topic	Central nervous system.
Task	As a result of an injury, the integrity of the anterior spinal cord root was broken. Specify the neurons and their processes that had been damaged:
Correct answer	Axons of motor neurons
B	Motor neuron dendrites
C	Axons of sensory neurons
D	Dendrites of sensory neurons
E	Dendrites of association neurons
№	krok 2014
Topic	Sensory organs.
Task	During the air and bone conduction tests it was revealed that in the left ear the tones were louder by bone conduction. This might be associated with the disease of:

Correct answer	Left middle ear
B	Right middle ear
C	Left inner ear
D	Right inner ear
E	Right external ear
№	krok 2014
Topic	Digestive system.
Task	In course of invasive abdominal surgery a surgeon has to locate the origin of the mesenteric root. Where is it normally localized?
Correct answer	Duodenojejunal flexure
B	Right flexure of colon
C	Left flexure of colon
D	Sigmoid colon
E	Right mesenteric sinus
№	krok 2014
Topic	Muscles
Task	A 19-year-old victim has been delivered to the casualty department with a cut wound of the trapezius muscle. Which of the cervical fasciae forms a sheath for this muscle?
Correct answer	Investing layer of cervical fascia
B	Muscular part of the pretracheal layer of cervical fascia
C	Visceral part of the pretracheal layer of cervical fascia
D	Prevertebral layer of cervical fascia
E	Carotid sheath of cervical fascia
№	krok 2014
Topic	Heart. Vascular system.
Task	A 29-year-old male with a knife wound of neck presents with bleeding. During the initial debridement of the wound the surgeon revealed the injury of a vessel found along the lateral edge of the sternocleidomastoid muscle. Specify this vessel:
Correct answer	<i>V. jugularis externa</i>
B	<i>V. jugularis anterior</i>
C	<i>A. carotis externa</i>
D	<i>A. carotis interna</i>
E	<i>V. jugularis interna</i>
№	krok 2013

Topic	Muscles
Task	As a result of an injury a patient cannot extend his arm at the elbow. This may cause abnormal functioning of the following muscle:
Correct answer	<i>Musculus triceps brachii</i>
B	<i>Musculus infraspinatus</i>
C	<i>Musculus levator scapulae</i>
D	<i>Musculus teres major</i>
E	<i>Musculus subscapularis</i>
№	krok 2013
Topic	Skeleton
Task	A casualty has a fracture in the region of the inner surface of the left ankle. What is the most likely site for the fracture?
Correct answer	Medial malleolus
B	Lower third of the fibula
C	Astragalus
D	Lateral malleolus
E	Calcaneus
№	krok 2013
Topic	Peripheral nerves
Task	A patient consulted a doctor about being unable to abduct his right arm after a past trauma. Examination revealed that the passive movements were not limited. The patient was found to have the atrophy of the deltoid muscle. What nerve is damaged?
Correct answer	Axillary
B	Radial
C	Ulnar
D	Median
E	Suprascapular
№	krok 2013
Topic	Peripheral nerves
Task	After a trauma of the upper third of the anterior forearm a patient exhibits difficult pronation, weakening of palmar flexor muscles and impaired skin sensitivity of 1-3 fingers. Which nerve has been damaged?
Correct answer	<i>n. medianus</i>
B	<i>n. musculocutaneus</i>
C	<i>n. ulnaris</i>
D	<i>n. cutaneus antebrachii medialis</i>

E	<i>n. Radialis</i>
№	krok 2013
Topic	Cranial nerves
Task	On examination a patient was found to have medial strabismus, the inward deviation of the eyeball and inability to abduct the eyeball outwards. What nerve is damaged?
Correct answer	Abducent
B	Oculomotor
C	Ocular
D	Trochlear
E	Visual
№	krok 2013
Topic	Joints
Task	As a result of an injury of the knee joint a patient shows a drawer sign, that is the anterior and posterior displacement of the tibia relative to the femur. What ligaments are damaged?
Correct answer	Cruciate ligaments
B	Arcuate popliteal ligaments
C	Oblique popliteal ligament
D	Interosseous membrane
E	Collateral ligaments
№	krok 2013
Topic	Skull
Task	The neurosurgical department has admitted a 54-year-old male complaining of no sensitivity in the lower eyelid skin, lateral surface of nose, upper lip. On examination the physician revealed the inflammation of the second branch of the trigeminal nerve. This branch comes out of the skull through the following foramen:
Correct answer	Round foramen
B	Lacerated foramen
C	Oval foramen
D	Spinous foramen
E	Superior orbital fissure
№	krok 2013
Topic	Central nervous system.
Task	A male with a lesion of one of the CNS parts has asthenia, muscular dystonia, balance disorder. Which CNS part has been affected?

Correct answer	Cerebellum
B	Black substance
C	Reticular formation
D	Red nuclei
E	Vestibular nuclei
№	krok 2013
Topic	Heart. Vascular system.
Task	Examination of a patient with ischemic heart disease revealed the impaired venous blood flow in the territory of the cardiac vein running in the anterior interventricular sulcus of heart. What vein is it?
Correct answer	<i>V. cordis magna</i>
B	<i>V. cordis media</i>
C	<i>V. cordis parva</i>
D	<i>V. posterior ventriculi sinistri</i>
E	<i>V. obliqua atrii sinistri</i>
№	krok 2013
Topic	Heart. Vascular system.
Task	For the direct injection of medications into the liver surgeons use the round ligament of liver. This manipulation involves bougienage (lumen dilatation) of the following vessel:
Correct answer	<i>V. umbilicalis</i>
B	<i>A. umbilicalis</i>
C	<i>Ductus venosus</i>
D	<i>V. porta</i>
E	<i>A. hepatica propria</i>
№	krok 2013
Topic	Heart. Vascular system.
Task	After the diagnostic tests a 40-year-old male has been referred for the lymphography of the thoracic cavity. The surgeon revealed that the tumor had affected an organ whose lymphatic vessels drain directly into the thoracic duct. Specify this organ:
Correct answer	Esophagus
B	Trachea
C	Left main bronchus
D	Heart
E	Pericardium



№	krok 2013
Topic	Heart. Vascular system.
Task	After a car accident a 23-year-old male presented to the hospital with a cut wound of the anteromedial region of shoulder and arterial bleeding. Which artery was damaged?
Correct answer	<i>A. brachialis</i>
B	<i>A. radialis</i>
C	<i>A. axillaris</i>
D	<i>A. subscapularis</i>
E	<i>A. profunda brachii</i>
№	krok 2013
Topic	Digestive system.
Task	During the operation on the small intestine the surgeon revealed an area of the mucous membrane with a single longitudinal fold among the circular folds. Which portion of the small intestine is this structure typical for?
Correct answer	<i>Pars descendens duodeni</i>
B	<i>Pars horizontalis duodeni</i>
C	<i>Pars ascendens duodeni</i>
D	<i>D.jejunum</i>
E	<i>E.Distal ileum</i>
№	krok 2013
Topic	Central nervous system.
Task	As a result of a craniocerebral injury a patient has a decreased skin sensitivity. What area of the cerebral cortex may be damaged?
Correct answer	Posterior central gyrus
B	Occipital region
C	Cingulate gyrus
D	Frontal cortex
E	Anterior central gyrus
№	krok 2013
Topic	Sensory organs.
Task	A histological specimen of the eyeball shows a biconvex structure connected to the ciliary body by the fibers of the Zinn's zonule and covered with a transparent capsule. Name this structure:
Correct answer	Crystalline lens
B	Vitreous body

C	Ciliary body
D	D.Cornea
E	E.Sclera
№	krok 2013
Topic	Heart. Vascular system.
Task	A specimen shows an organ covered with the connective tissue capsule with trabeculae radiating inward the organ. There is also cortex containing some lymph nodules, and medullary cords made of lymphoid cells. What organ is under study?
Correct answer	Lymph node
B	Thymus
C	Spleen
D	Red bone marrow
E	Tonsils
№	krok 2013
Topic	Digestive system.
Task	A surgeon examined the patient and found the injury of the upper third of the kidney. Considering the syntopy of the left kidney, the intactness of the following organ should be checked at the same time:
Correct answer	Stomach
B	Liver
C	Small intestine
D	Transverse colon
E	Descending colon
№	krok 2013
Topic	Heart. Vascular system.
Task	After resection of the middle third of the femoral artery obliterated by a thrombus the limb is supplied with blood through the bypasses. What artery plays the main part in the restoration of the blood flow?
Correct answer	Deep femoral artery
B	Superficial iliac circumflex artery
C	Descending genicular artery
D	Superficial epigastric artery
E	External pudental artery
№	krok 2013
Topic	Urogenital system.

Task	A patient has been hospitalized for a suspected tumor of the prostate. During the surgery, it was revealed that the tumor invaded the bladder. Which part of the bladder was affected?
Correct answer	Cervix
B	Apex
C	Bottom
D	Body
E	–
№	krok 2013
Topic	Heart. Vascular system.
Task	A casualty with an injury of the temporal region has been diagnosed with epidural hematoma. Which of the arteries is most likely to be damaged?
Correct answer	Medial membranous artery
B	Medial cerebral artery
C	C.Superficial temporal artery
D	D.Anterior membranous artery
E	E.Posterior auricular artery
№	krok 2013
Topic	Sensory organs.
Task	A male working as a blacksmith has been tested for auditory acuity. The tests revealed 50% hearing loss in the low-frequency range and a near-normal auditory acuity in the high-frequency range. This condition has been caused by the damage to the following structures of the auditory system:
Correct answer	Corti's organ - closer to helicotrema
B	Corti's organ - closer to the oval foramen
C	Median part of the Corti's organ
D	Muscles of the middle ear
E	E.Eardrum
№	krok 2013
Topic	Respiratory system.
Task	When examining a patient, the doctor revealed a tumor of the bronchus which borders on the aorta. Which bronchus is affected?
Correct answer	Left principal
B	Right principal
C	Right upper lobar

D	Left upper lobar
E	Middle lobar
№	krok 2013
Topic	Central nervous system.
Task	A patient complains that at the bare mention of the tragic events that once occurred in his life he experiences tachycardia, dyspnea and an abrupt rise in blood pressure. What structures of the CNS are responsible for these cardiorespiratory reactions in this patient?
Correct answer	Cerebral cortex
B	Cerebellum
C	Lateral hypothalamic nuclei
D	Specific thalamic nuclei
E	Quadrigenina of mesencephalon
№	krok 2012
Topic	Heart. Vascular system.
Task	A patient has a right-sided fracture in the region of the frontal third of mandible accompanied by a haematoma in the region of chin. It is caused by the injury of the following artery:
Correct answer	Mental
B	Inferior labial
C	Lingual
D	Facial
E	Palatine
№	krok 2012
Topic	Cranial nerves
Task	As a result of a cold a patient has the abnormal pain and temperature sensitivity of the frontal 2/3 of his tongue. Which nerve must have been damaged?
Correct answer	Trigeminus
B	Sublingual
C	Accessory
D	Vagus
E	Glossopharyngeal
№	krok 2012, 2008
Topic	Sensory organs.

Task	A 60 year old patient has impaired perception of high-frequency sounds. These changes were caused by damage of the following auditory analyzer structures:
Correct answer	Main cochlea membrane near the oval window
B	Main cochlea membrane near the helicotrema
C	Eustachian tube
D	Middle ear muscles
E	Tympanic membrane
№	krok 2012
Topic	Peripheral nerves
Task	After a trauma of soft tissues in the region of the posterior surface of medial condyle of humerus a patient has got a skin prickle of medial forearm surface. Which of the listed nerves is located in the affected region?
Correct answer	<i>N.ulnaris</i>
B	<i>N.musculocutaneu</i>
C	<i>N.dorsalis scapularis</i>
D	<i>N.subscapularis</i>
E	<i>N.radialis</i>
№	krok 2012
Topic	Muscles
Task	A boy has fallen down from a tree. Now he finds it difficult to abduct his arm into horizontal position. Which muscle is most likely to be injured?
Correct answer	<i>M.deltoideus</i>
B	<i>M.triceps brachii</i>
C	<i>M.anconeus</i>
D	<i>M.coracobrachialis</i>
E	<i>M.supinator</i>
№	krok 2012
Topic	Digestive system.
Task	A female patient with a tumour of pancreas has developed mechanic jaundice resulting from compression of a bile-excreting duct. Which duct is compressed?
Correct answer	<i>Ductus choledochus</i>
B	<i>Ductus cysticus</i>
C	<i>Ductus hepaticus communis</i>

D	<i>Ductus hepaticus dexter</i>
E	<i>Ductus hepaticus sinister</i>
№	krok 2012
Topic	Digestive system.
Task	A 28 year old woman has been diagnosed with extrauterine pregnancy complicated by the fallopian tube rupture. The blood is most likely to penetrate the following peritoneal space:
Correct answer	Rectouterine
B	Vesicouterine
C	Right mesenteric sinus
D	Left mesenteric sinus
E	Intersigmoid sinus
№	krok 2012
Topic	Heart. Vascular system.
Task	The patient with thymoma (thymus gland tumour) has cyanosis, extension of subcutaneous venous net and edema of the soft tissues of face, neck, upper part of the trunk and upper extremities. What venous trunk is pressed with tumour?
Correct answer	Superior vena cava
B	External jugular vein
C	Clavicular vein
D	Internal jugular vein
E	Frontal jugular vein
№	krok 2012
Topic	Central nervous system.
Task	Vegetative abnormalities in the sleep, heat regulation, all kinds of metabolism, diabetes insipidus are developing in the patient due to growth of the tumour in the III ventricle of brain. Irritation of the nucleus of what part of the brain can cause these symptoms?
Correct answer	Hypothalamus
B	Cerebral peduncles (crura cerebri)
C	Mesencephalic tegmentum
D	Pons cerebelli
E	Medulla
№	krok 2012, 2010
Topic	Heart. Vascular system.

Task	A 70 year old female patient was diagnosed with fracture of left femoral neck accompanied by disruption of ligament of head of femur. The branch of the following artery is damaged:
Correct answer	Obturator
B	Femoral
C	External iliac
D	Inferior gluteal
E	Internal pudendal
№	krok 2012
Topic	Central nervous system.
Task	As a result of a trauma a patient has damaged anterior roots of spinal cord. What structures have been affected?
Correct answer	Axons of motoneurons and axons of neurons of lateral horns
B	Central processes of sensitive neurons of spinal ganglions
C	Peripheral processes of sensitive spinal ganglions
D	Axons of neurons of lateral horns
E	Dendrites of neurons of spinal ganglions
№	krok 2012, 2011, 2009
Topic	Sensory organs.
Task	A man who is riding the carousel presents with increased heart rate, sweating, nausea. This condition is caused primarily by the stimulation of the following receptors:
Correct answer	Vestibular ampullar
B	Proprioceptors
C	Vestibular otolithic
D	Auditory
E	Visual
№	krok 2012
Topic	Urogenital system.
Task	During cytoscopy mucous membrane of urinary bladder normally makes folds except for a single triangular area with smooth mucosa. This triangle is located in the following part of urinary bladder:
Correct answer	Bladder floor
B	Bladder cervix
C	Bladder apex
D	Bladder body

E	Bladder isthmus
№	krok 2012, 2011
Topic	Digestive system.
Task	A surgeon has to find the common hepatic duct during the operative intervention on account of concrements in the gall ducts. The common hepatic duct is located between the leaves of:
Correct answer	Hepatoduodenal ligament
B	Hepatogastric ligament
C	Hepatorenal ligament
D	Round ligament of liver
E	Venous ligament
№	krok 2012, 2010
Topic	Digestive system.
Task	A patient complains about impaired evacuatory function of stomach (long-term retention of food in stomach). Examination revealed a tumour of initial part of duodenum. Specify localization of the tumour:
Correct answer	<i>Pars superior</i>
B	<i>Pars inferior</i>
C	<i>Pars descendens</i>
D	<i>Pars ascendens</i>
E	<i>Flexura duodeni inferior</i>
№	krok 2012, 2007
Topic	Respiratory system.
Task	In course of an operation surgeon removed a part of a lung that was ventilated by a tertiary bronchus accompanied by branches of pulmonary artery and other vessels. What part of a lung was removed?
Correct answer	Bronchopulmonary segment
B	Middle lobe
C	Inferior lobe
D	Superior lobe
E	Pulmonary lobule
№	krok 2012
Topic	Heart. Vascular system.
Task	Preventive examination of a patient revealed an enlarged lymph node of metastatic origin on the medial wall of the left axillary crease. Specify the most likely localization of the primary tumour:



Correct answer	Mammary gland
B	Submandibular salivary gland
C	Lung
D	Stomach
E	Thyroid gland
№	krok 2012
Topic	Heart. Vascular system.
Task	While playing a child got a punch in the presternum region. As a result of this trauma an organ located behind the presternum was damaged. Name this organ:
Correct answer	Thymus
B	Thyroid gland
C	Heart
D	Pericardium
E	Larynx
№	krok 2012, 2011
Topic	Joints
Task	A patient has been diagnosed with a compression fracture of a lumbar vertebra. As a result he has a considerable increase in curvature of the lumbar lordosis. Which ligament damage can induce such changes in the spine curvature?
Correct answer	Anterior longitudinal ligament
B	Posterior longitudinal ligament
C	Yellow ligament
D	Iliolumbar ligament
E	Interspinous ligament
№	krok 2012, 2010
Topic	Central nervous system.
Task	A patient got an injury of spinal marrow in a road accident that caused loss of tactile sensation, posture sense, vibration sense. What conduction tracts are damaged?
Correct answer	Fascicle of Goll and cuneate fascicle
B	Anterior spinocerebellar tract
C	Rubrospinal tract
D	Reticulospinal tract
E	Tectospinal tract

№	krok 2012, 2011
Topic	Muscles
Task	A doctor asked a patient to breath out fully after taking a normal breath. What muscles contract during such exhalation?
Correct answer	Abdominal muscles
B	External intercostal muscles
C	Diaphragm
D	Trapezius muscles
E	Pectoral muscles
№	krok 2012
Topic	Heart. Vascular system.
Task	In order to prevent massive haemorrhage in the region of oral cavity floor it is required to ligate an artery which is located within Pirogov's triangle. What artery is it?
Correct answer	Lingual artery
B	Superior thyroid artery
C	Facial artery
D	Ascending pharyngeal artery
E	Maxillary artery
№	krok 2012, 2010
Topic	Central nervous system.
Task	One of sections of central nervous system has layerwise arrangement of neurocytes. Among them there are cells of the following forms: stellate, fusiform, horizontal, pyramidal. What section of central nervous system is this structure typical for?
Correct answer	Cortex of cerebrum
B	Spinal cord
C	Cerebellum
D	Medulla oblongata
E	Hypothalamus
№	krok 2012, 2009
Topic	Peripheral nerves
Task	A man with a stab wound in the region of the quadrilateral foramen consulted a doctor about it. Examination revealed that the injured couldn't abduct his arm from the body. What nerve is most likely damaged?
Correct answer	<i>n. axillaris</i>
B	<i>n. medianus</i>

C	<i>n. radialis</i>
D	<i>n. ulnaris</i>
E	<i>n. subclavius</i>
№	krok 2011
Topic	Peripheral nerves
Task	After a trauma of the upper third of the anterior forearm surface a patient presents with difficult pronation, weakening of palmar flexor muscles and altered skin sensitivity of 1-3 fingers. Which nerve is damaged?
Correct answer	<i>n. medianus</i>
B	<i>n. musculocutaneus</i>
C	<i>n. ulnaris</i>
D	<i>n. cutaneus antebrachii medialis</i>
E	<i>n. Radialis</i>
№	krok 2011
Topic	Heart. Vascular system.
Task	A victim of an accident has bleeding from the soft tissues anterior to the mandibular angle. Which vessel should be ligated for the bleeding arrest?
Correct answer	<i>A.facialis</i>
B	<i>A.carotis interna</i>
C	<i>A.temporalis superficialis</i>
D	<i>A.alveolaris inferior</i>
E	<i>A.lingualis</i>
№	krok 2011, 2009
Topic	Muscles
Task	A 38-year-old patient came to a traumatology centre and complained about an injury of his right hand. Objectively: the patient has a cut wound in the region of the thenar eminence on the right hand; distal phalanx of the I finger cannot be flexed. What muscle was injured?
Correct answer	Long flexor muscle of thumb
B	Short flexor muscle of thumb
C	Short abductor muscle of thumb
D	Opposer muscle of thumb
E	Abductor muscle of thumb
№	krok 2011, 2009

Topic	Heart. Vascular system.
Task	An 18-year-old man was delivered to the hospital after a road accident. Examination at the traumatological department revealed multiple injuries of soft tissues of face in the region of the medial eye angle. The injuries caused massive haemorrhage. What arterial anastomosis might have been damaged in this region?
Correct answer	<i>a. carotis externa et a. carotis interna</i>
B	<i>a. carotis externa et a. subclavia</i>
C	<i>a. carotis interna et a. subclavia</i>
D	<i>a. subclavia et a. ophthalmica</i>
E	<i>a. carotis interna et a. Ophthalmica</i>
№	krok 2011
Topic	Sensory organs.
Task	A 75-year-old-female patient with complaints of visual impairment has been delivered to the ophthalmologic department. Objective examination revealed a brain tumor in area of the left optic tract. The patient has a visual field defect in the following area:
Correct answer	Left half of both eyes retina
B	Right half of both eyes retina
C	Left and right halves of the left eye retina
D	Left and right halves of the right eye retina
E	Left and right halves of both eyes retina
№	krok 2011, 2009
Topic	Sensory organs.
Task	A 35-year-old patient complains about having severe rhinitis and loss of sense of smell for a week. Objectively: the nasal cavity contains a lot of mucus covering the mucous membrane and blocking olfactory receptors. In what region of the nasal cavity are these receptors located?
Correct answer	Superior nasal concha
B	Median nasal concha
C	Inferior nasal concha
D	Common nasal meatus
E	Vestibule of nose
№	krok 2011
Topic	Digestive system.
Task	While examining the oral cavity a stomatologist revealed inflammation of papillae on the border of the median and posterior third of the back of tongue. What papillae are inflamed?

Correct answer	<i>Papillae vallatae</i>
B	<i>Papillae fungiformes</i>
C	<i>Papillae foliatae</i>
D	<i>Papillae filiformes</i>
E	<i>Papillae conicae</i>
№	krok 2011
Topic	Heart. Vascular system.
Task	A weightlifter has a disruption of thoracic lymphatic duct as a result of lifting a weight. Choose the most likely site of injury:
Correct answer	In the region of aortic hiatus
B	In the region of lumbosacral plexus
C	In the posterior mediastinum
D	In the region of venous angle
E	In the region of neck
№	krok 2011
Topic	Peripheral nerves
Task	A woman suffering from osteochondrosis has acute pain in her humeral articulation that gets worse when she tries to abduct her shoulder. These symptoms might be caused by damage of the following nerve:
Correct answer	Axillary nerve
B	Subscapular nerve
C	Dorsal scapular nerve
D	Subclavicular nerve
E	Thoracodorsal nerve
№	krok 2011
Topic	Central nervous system.
Task	After a craniocerebral trauma a patient lost the ability to execute learned purposeful movements (apraxia). The injury is most likely localized in the following region of the cerebral cortex:
Correct answer	<i>Gyrus supramarginalis</i>
B	<i>Gyrus angularis</i>
C	<i>Gyrus paracentralis</i>
D	<i>Gyrus lingualis</i>
E	<i>Gyrus parahippocampalis</i>
№	krok 2011, 2009

Topic	Central nervous system.
Task	An animal has an increased tonus of extensor muscles. This the result of intensified information transmission to the motoneurons of the spinal cord through the following descending pathways:
Correct answer	Vestibulospinal
B	Medial corticospinal
C	Reticulospinal
D	Rubrospinal
E	Lateral corticospinal
№	krok 2011
Topic	Central nervous system.
Task	A man having a hearing loss after a head trauma was delivered to the neurosurgery department. The cause of the hearing loss might be the damage of the following lobe of cerebral cortex:
Correct answer	Temporal
B	Postcentral gyrus
C	Parietal
D	Occipital
E	Frontal
№	krok 2011
Topic	Heart. Vascular system.
Task	A victim with a head trauma in the temporal region has been diagnosed with epidural hematoma. What artery is most likely to be damaged?
Correct answer	Medial membranous artery
B	Medial cerebral artery
C	Superficial temporal artery
D	Anterior membranous artery
E	Posterior auricular artery
№	krok 2011
Topic	Central nervous system.
Task	A patient underwent an extraction of a part of a CNS structures by medical indications. As a result of the extraction the patient developed atony, astasia, intention tremor, ataxy and adiadochokinesis. Which part of CNS structure had been extracted?
Correct answer	Cerebellum
B	Amygdaloid corpus

C	Hippocamp
D	Basal ganglions
E	Limbic system
№	krok 2011
Topic	Cranial nerves
Task	A patient consulted a doctor about loss of taste sensitivity on the tongue root. The doctor revealed that it is caused by nerve affection. Which nerve is it?
Correct answer	Glossopharyngeal
B	Vagus nerve
C	Facial nerve
D	Superlaryngeal nerve
E	Trigeminal nerve
№	krok 2011
Topic	Skeleton
Task	An older woman has been hospitalised for acute pain and edema of the right hip joint that appered after a fall. Objectively: the hip is adduced inwards, hip joint movements are impaired. The patient is most likely to have a fracture of the following bone or bone part:
Correct answer	Femoral neck
B	Shaft of femur
C	Condyle of femur
D	Pubic bone
E	Ischial bone
№	krok 2011
Topic	Urogenital system.
Task	While performing an inguinal canal operation on account of hernia a surgeon damaged the canal's contents. What exactly was damaged?
Correct answer	<i>Funiculus spermaticus</i>
B	<i>Urarchus</i>
C	<i>Lig. teres uteri</i>
D	<i>Lig. inguinale</i>
E	–
№	krok 2011
Topic	Cranial nerves

Task	A patient consulted a doctor about a sensation of imbalance which appeared after a trauma. Which nerve is damaged?
Correct answer	Vestibulocochlear nerve
B	Trigeminal nerve
C	Facial nerve
D	Intermediate nerve
E	Vagus nerve
№	krok 2011
Topic	Heart. Vascular system.
Task	Surgical approach to the thyroid gland from the transverse (collar) approach involves opening of interaponeurotic suprasternal space. What anatomic structure localized in this space is dangerous to be damaged?
Correct answer	Jugular venous arch
B	External jugular vein
C	Subclavicular vein
D	Inferior thyroid artery
E	Superior thyroid artery
№	krok 2011, 2009
Topic	Digestive system.
Task	An injured person was delivered to the hospital with a penetrating wound in the left lateral region of abdomen. What part of the large intestine is most likely damaged?
Correct answer	<i>Colon descendens</i>
B	<i>Colon ascendens</i>
C	<i>Colon transverses</i>
D	<i>D.Caecum</i>
E	<i>E.Rectum</i>
№	krok 2009
Topic	Heart. Vascular system.
Task	Examination of a 2-year-old child revealed physical developmental lag, the child often has pneumonias. The child was diagnosed with nonclosure of ductus arteriosus. Haemodynamics disorder was caused by the intercommunication of the following vessels:
Correct answer	Aorta and pulmonary trunk
B	Pulmonary trunk and pulmonary veins
C	Superior cava and aorta
D	Superior cava and pulmonary trunk



E	Aorta and pulmonary veins
№	krok 2009
Topic	Joints
Task	It is necessary to take the cerebrospinal fluid from a patient with suspected inflammation of brain tunics. Diagnostic puncture was performed between the arches of the lumbar vertebrae. During the puncture the needle went through the following ligament:
Correct answer	Yellow (flaval)
B	Iliolumbar
C	Anterior longitudinal
D	Posterior longitudinal
E	Intertransverse
№	krok 2009
Topic	Respiratory system.
Task	A patient was admitted to the hospital with an asphyxia attack provoked by a spasm of smooth muscles of the respiratory tracts. This attack was mainly caused by alterations in the following parts of the airways:
Correct answer	Small bronchi
B	Median bronchi
C	Large bronchi
D	Terminal bronchioles
E	Respiratory part
№	krok 2009
Topic	Digestive system.
Task	A 53-year-old female patient was diagnosed with liver rupture resulting from a blunt abdominal injury. The escaped blood will be assembled in the following anatomic formation:
Correct answer	Rectouterine pouch
B	Vesicouterine pouch
C	Right mesenteric sinus
D	Omental bursa
E	Left mesenteric sinus
№	krok 2009
Topic	Heart. Vascular system.
Task	A patient complains about edemata of legs, skin cyanosis, small ulcers on one side of the lateral condyle. Examination revealed a swelling, enlarged veins, formation of nodes. The pathological process has started in the following vein:

Correct answer	<i>V. saphena parva</i>
B	<i>V. saphena magna</i>
C	<i>V. femoralis</i>
D	<i>V. profunda femoris</i>
E	<i>V. iliaca externa</i>
№	krok 2009
Topic	Heart. Vascular system.
Task	A patient has a massive haemorrhage caused by damage of the dorsal lingual artery by cancer of tongue back. What vessel should be ligated for the haemorrhage arrest?
Correct answer	Lingual artery
B	Dorsal lingual artery
C	Deep artery of tongue
D	Facial artery
E	Ascending pharyngeal artery
№	krok 2009
Topic	Digestive system.
Task	While examining the oral cavity a stomatologist revealed inflammation of papillae on the border of the median and posterior third of the back of tongue. What papillae are inflamed?
Correct answer	<i>Papillae vallatae</i>
B	<i>Papillae fungiformes</i>
C	<i>Papillae foliatae</i>
D	<i>Papillae filiformes</i>
E	<i>Papillae conicae</i>
№	krok 2009
Topic	Urogenital system.
Task	In the pubertal period cells of the male sexual glands start producing the male sexual hormone testosterone that is responsible for formation of the secondary sexual characters. What cells of the male sexual glands produce this hormone?
Correct answer	Leidig cells
B	Sustenocytes
C	Sertoli's cells
D	Sustentacular cells
E	Spermatozoa

№	krok 2009
Topic	Heart. Vascular system.
Task	Preventive examination of a patient revealed an enlarged lymph node of metastatic origin on the medial wall of the left axillary crease. Specify the most likely localization of the primary tumour:
Correct answer	Mammary gland
B	Submandibular salivary gland
C	Lung
D	Stomach
E	Thyroid gland
№	krok 2009
Topic	Muscles
Task	After a trauma a patient lost ability of elbow extension. This might have been caused by dysfunction of the following main muscle:
Correct answer	<i>m. triceps brachii</i>
B	<i>m. subscapularis</i>
C	<i>m. teres major</i>
D	<i>m. infraspinatus</i>
E	<i>m. levator scapulae</i>
№	krok 2009
Topic	Central nervous system.
Task	After a craniocerebral trauma a patient lost the ability to execute learned purposeful movements (apraxia). The injury is most likely localized in the following region of the cerebral cortex:
Correct answer	<i>Gyrus supramarginalis</i>
B	<i>Gyrus angularis</i>
C	<i>Gyrus paracentralis</i>
D	<i>Gyrus lingualis</i>
E	<i>Gyrus parahippocampalis</i>
№	krok 2009
Topic	Muscles
Task	A man with an injury in the nuchal region ( <i>regio nuchae</i> ) was admitted to the resuscitation department. What muscle occupies this region?
Correct answer	<i>m. trapezius</i>
B	<i>m. sternocleidomastoideus</i>

C	<i>m. latissimus dorsi</i>
D	<i>m. rhomboideus minor</i>
E	<i>m. scalenus anterior</i>
№	krok 2009
Topic	Peripheral nerves
Task	A patient has lost skin sensitivity in the region of the medial surface of his shoulder. This is the result of dysfunction of the following nerve:
Correct answer	Medial brachial cutaneous nerve
B	Medial antebrachial cutaneous nerve
C	Radial nerve
D	Ulnar nerve
E	Axillary nerve
№	krok 2009
Topic	Peripheral nerves
Task	After a road accident a driver was delivered to the hospital with an injury of the medial epicondyle of humerus. What nerve might be damaged in this case?
Correct answer	<i>n. ulnaris</i>
B	<i>n. radialis</i>
C	<i>n. axillaris</i>
D	<i>n. musculocutaneus</i>
E	<i>n. Medianus</i>
№	krok 2008
Topic	Heart. Vascular system.
Task	In course of laparotomy a surgeon revealed gangrenous lesion of descending colon. It was caused by thrombosis of the following artery:
Correct answer	Sinister colic
B	Median colic
C	Dexter colic
D	Ileocolic
E	Superior mesenteric artery
№	krok 2008
Topic	Sensory organs.

Task	Inflammation of the tympanic cavity(purulent otitis media) was complicated by inflammation of mammillary process sockets. What wall of tympanic cavity did the pus penetrate into the sockets through?
Correct answer	Posterior
B	Anterior
C	Medial
D	Lateral
E	Superior
№	krok 2008
Topic	Muscles
Task	A 35 year old man with a trauma of his left hand was admitted to the traumatology department. Objectively: cut wound of palmar surface of left hand; middle phalanxes of II–V fingers don't bend. What muscles are damaged?
Correct answer	Superficial finger flexor
B	Profound finger flexor
C	Lumbrical muscles
D	Palmar interosseous muscles
E	Dorsal interosseous muscles
№	krok 2008
Topic	Digestive system.
Task	A patient was admitted to the surgical department with suspected inflammation of Meckel's diverticulum. What part of bowels should be examined in order to discover the diverticulum in course of an operation?
Correct answer	<i>Ileum</i>
B	<i>Duodenum</i>
C	<i>Jejunum</i>
D	<i>Caecum</i>
E	<i>Colon ascendens</i>
№	krok 2008
Topic	Central nervous system.
Task	As a result of destruction of certain brainstem structures an animal has lost its orientative reflexes in response to strong photic stimuli. What structures were destroyed?
Correct answer	Anterior tubercles of quadrigeminal plate
B	Posterior tubercles of quadrigeminal plate
C	Red nuclei

D	Vestibular nuclei
E	Black substance
№	krok 2008
Topic	Respiratory system.
Task	A 35 year old patient applied to a doctor with complaints about having intense rhinitis and loss of sense of smell for a week. Objectively: nasal cavity contains a lot of mucus that covers mucous membrane and blocks olfactory receptors. In what part of nasal cavity are these receptors situated?
Correct answer	Superior nasal turbinate
B	Median nasal turbinate
C	Inferior nasal turbinate
D	Common nasal meatus
E	Vestibule of nose
№	krok 2008, 2010
Topic	Digestive system.
Task	A patient with cholelithiasis fell ill with mechanic jaundice. Examination revealed that the stone was in the common bile duct. What bile-excreting ducts make up the obturated duct?
Correct answer	<i>Ductus hepaticus communis et ductus cysticus</i>
B	<i>Ductus hepaticus dexter et sinister</i>
C	<i>Ductus hepaticus dexter et ductus cysticus</i>
D	<i>Ductus hepaticus sinister et ductus cysticus</i>
E	<i>Ductus hepaticus communis et ductus choledochus</i>
№	krok 2008
Topic	Peripheral nerves
Task	A woman suffering from osteochondrosis felt acute pain in her humeral articulation that became stronger when she abducted her shoulder. These symptoms might be caused by damage of the following nerve:
Correct answer	Axillary nerve
B	Subscapular nerve
C	Dorsal scapular nerve
D	Subclavicular nerve
E	Throracodorsal nerve
№	krok 2008
Topic	Muscles

Task	A patient has a deep cut wound on the posterior surface of his shoulder in its middle third. What muscle might be injured?
Correct answer	Triceps muscle of arm
B	Biceps muscle of arm
C	Anconeus muscle
D	Brachial muscle
E	
№	krok 2008
Topic	Heart. Vascular system.
Task	While performing an operation in the area of axillary crease a surgeon has to define an arterial vessel surrounded by fascicles of brachial plexus. What artery is it?
Correct answer	<i>A.axillaris</i>
B	<i>A.vertebralis</i>
C	<i>A.transversa colli</i>
D	<i>A.profunda brachii</i>
E	<i>A.subscapularis</i>
№	krok 2008
Topic	Muscles
Task	A man with an injury of the dorsal area of his neck was admitted to the resuscitation department. What muscle occupies this area?
Correct answer	<i>M.trapezius</i>
B	<i>M.sternocleidomastoideus</i>
C	<i>M.latissimus dorsi</i>
D	<i>M.rhomboideus minor</i>
E	<i>M.scalenus anterior</i>
№	krok 2008
Topic	Muscles
Task	In course of an experiment a toad's right labyrinth was destroyed. It will cause amyotonia of the following muscles:
Correct answer	Right extensors
B	Left flexors
C	Left extensors
D	Right flexors
E	Right and left extensors
№	krok 2008

Topic	Cranial nerves
Task	A patient complains of dizziness and hearing loss. What nerve is damaged?
Correct answer	Vestibulocochlear
B	Trigeminus
C	Sublingual
D	Vagus
E	Trochlear
№	krok 2008
Topic	Heart. Vascular system.
Task	While palpating mammary gland of a patient a doctor revealed an induration in form of a node in the inferior medial quadrant. Metastases may extend to the following lymph nodes:
Correct answer	Parasternal
B	Posterior mediastinal
C	Profound lateral cervical
D	Bronchopulmonary
E	Superior diaphragmal
№	krok 2008
Topic	Urogenital system.
Task	While performing an inguinal canal operation on account of hernia a surgeon damaged the canal's contents. What exactly was damaged?
Correct answer	<i>Funiculus spermaticus</i>
B	<i>Urachus</i>
C	<i>Lig. teres uteri</i>
D	<i>Lig. inguinale</i>
E	-
№	krok 2008
Topic	Urogenital system.
Task	In course of a small pelvis operation it became necessary to ligate an ovarian artery. What formation may be accidentally ligated together with it?
Correct answer	Ureter
B	Uterine tube
C	Round ligament of uterus



D	Internal iliac vein
E	Urethra
№	krok 2008
Topic	Muscles
Task	A patient with a knife wound in the left lumbar part was delivered to the emergency hospital. In course of operation a surgeon found that internal organs were not damaged but the knife injured one of muscles of renal pelvis. What muscle is it?
Correct answer	Greater psoas muscle
B	Iliac muscle
C	Erector muscle of spine
D	Abdominal internal oblique muscle
E	Abdominal external oblique muscle
№	krok 2008
Topic	Peripheral nerves
Task	A man with a stab wound in the area of quadrilateral foramen applied to a doctor. Examination revealed that the patient was unable to draw his arm a de from his body What nerve is most probably damaged?
Correct answer	<i>N.axillaris</i>
B	<i>N.medianus</i>
C	<i>N.radialis</i>
D	<i>N.ulnaris</i>
E	<i>N.subclavius</i>
№	krok 2007
Topic	Sensory organs.
Task	A 60 y.o. patient has a reduced perception of high-frequency sounds. What structures' disorder of auditory analyzer caused these changes?
Correct answer	Main membrane of cochlea near the oval window
B	Main membrane of cochlea near helicotrema
C	Eustachian tube
D	Muscles of middle ear
E	Tympanic membrane
№	krok 2007
Topic	Digestive system.

Task	A patient with a stab wound of the anterior stomach wall is in surgical care. What formation of abdominal cavity did the stomach contents get into?
Correct answer	Antegastric bursa
B	Omental bursa
C	Hepatic bursa
D	Left mesenteric sinus
E	Right mesenteric sinus
№	krok 2007
Topic	Muscles
Task	A man with cut wound of his right foot sole was admitted to the hospital ward. The patient has limited elevation of the lateral foot edge. In course of wound management the injury of a muscle tendon was revealed. What muscle is injured?
Correct answer	Long peroneal
B	Anterior tibial
C	Long extensor muscle of toes
D	Triceps muscle of crus
E	Short peroneal
№	krok 2007
Topic	Sensory organs.
Task	A man who went for a ride on a roundabout had amplification of heart rate, sweating and nausea. What receptors stimulation is it primarily connected with?
Correct answer	Vestibular
B	Proprioceptors
C	Tactile
D	Auditory
E	Visual
№	krok 2007
Topic	Muscles
Task	A patient with neuritis of femoral nerve has disturbed flexion of thigh as well as disturbed crus extension in the knee joint. What muscle's function is disturbed?
Correct answer	Quadriceps muscle of thigh
B	Biceps muscle of thigh
C	Triceps muscle of thigh

D	Semitendinous muscle
E	Semimembranous muscle
№	krok 2007
Topic	Muscles
Task	As a result of an accident a patient has intense painfulness and edema of the anterior crus surface; dorsal flexion of foot is hindered. Function of which crus muscle is most likely to be disturbed?
Correct answer	<i>M.tibialis anterior</i>
B	<i>M.flexor digitorum longus</i>
C	<i>M.flexor hallucis longus</i>
D	<i>M.peroneus longus</i>
E	<i>M.peroneus brevis</i>
№	krok 2007
Topic	Heart. Vascular system.
Task	A patient who suffers from cancer of back of tongue has an intense bleeding as a result of affection of dorsal lingual artery by the tumour. What vessel should be ligated to stop bleeding?
Correct answer	Lingual artery
B	Dorsal lingual artery
C	Deep lingual artery
D	Facial artery
E	Ascending pharyngeal artery
№	krok 2007
Topic	Central nervous system.
Task	As a result of spinal cord trauma a 33 y.o. man has a disturbed pain and temperature sensitivity that is caused by damage of the following tract:
Correct answer	Spinothalamic
B	Medial spinocortical
C	Posterior spinocerebellar
D	Lateral spinocortical
E	Anterior spinocerebellar
№	krok 2007
Topic	Sensory organs.

Task	After a 2 y.o. child has had flu, there appeared complaints about ear ache. A doctor revealed hearing impairment and inflammation of the middle ear. How did the infection penetrate into the middle ear?
Correct answer	Through the auditory tube
B	Through <i>foramen jugularis</i>
C	Through <i>canalis caroticus</i>
D	Through <i>atrium mastoideum</i>
E	Through <i>canalis nasolacrimalis</i>
№	krok 2007
Topic	Central nervous system.
Task	A 40 y.o. woman was admitted to the infectious diseases department with high body temperature. Objectively: evident meningeal symptoms. A spinal cord puncture was made. What anatomic formation was punctured?
Correct answer	<i>Spatium subarachnoideum</i>
B	<i>Spatium subdurale</i>
C	<i>Spatium epidurale</i>
D	<i>Cavum trigeminale</i>
E	<i>Cisterna cerebellomedullaris posterior</i>
№	krok 2007
Topic	Heart. Vascular system.
Task	After resection of the middle third of femoral artery obliterated by a thromb the lower extremity is supplied with blood due to the surgical bypass. Name an artery that plays the main role in reestablishment of blood flow:
Correct answer	Deep femoral artery
B	Superficial circumflex artery of hip bone
C	Descending genicular artery
D	Superficial epigastric artery
E	Deep external pudendal artery
№	krok 2007
Topic	Peripheral nerves
Task	A patient's knee joint doesn't extend, there is no knee-jerk reflex, skin sensitivity of the anterior femoral surface is disturbed. What nerve structures are damaged?
Correct answer	Femoral nerve
B	Superior gluteal nerve
C	Big fibular nerve

D	Obturator nerve
E	Inferior gluteal nerve
№	krok 2007
Topic	Heart. Vascular system.
Task	A 50 y.o. patient was admitted to the hospital with complaints about pain behind his breastbone, asphyxia during physical activity. Angiography revealed pathological changes in the posterior interventricular branch of the right coronary artery. What heart parts are affected?
Correct answer	Posterior wall of the right and left ventricles
B	Left atrium
C	Anterior wall of the right and left ventricles
D	Right atrium
E	Right atrioventricular valve
№	krok 2007
Topic	Sensory organs.
Task	According to audiometry data a patient has a disturbed perception of medium frequency sounds. It might have been caused by a damage of:
Correct answer	Middle part of helix
B	Cochlear nuclei
C	Spiral ganglion
D	Quadritubercular structure
E	Lateral geniculate bodies
№	krok 2007
Topic	Skull
Task	Examination of a patient revealed an abscess of pterygopalatine fossa. Where can the infection spread to unless the disease is managed in time?
Correct answer	To the orbit
B	To the interpterygoid space
C	To the frontal sinus
D	To the subgaleal temporal space
E	To the tympanic cavity
№	krok 2007
Topic	Sensory organs.

Task	Vitamin A deficit results in the impairment of twilight vision. Name the cells that have the above-mentioned photoreceptor function:
Correct answer	Rod receptor cell
B	Horizontal neurocytes
C	Cone receptor cells
D	Bipolar neurons
E	Ganglion neurocytes
№	krok 2007
Topic	Heart. Vascular system.
Task	Neurological examination of a 65 y.o. patient revealed a haemorrhage within the superior temporal gyrus. In the blood supply area of which artery is it?
Correct answer	Middle cerebral artery
B	Anterior cerebral artery
C	Posterior cerebral artery
D	Anterior communicating artery
E	Basilar artery
№	krok 2007
Topic	Heart. Vascular system.
Task	A 70 y.o. man has cut an abscess off in the area of mammiform process during shaving. Two days later he was admitted to the hospital with inflammation of arachnoid membranes. How did the infection penetrate into the cavity of skull?
Correct answer	<i>A.V.emissaria mastoidea</i>
B	<i>B.V.v.labyrinthis</i>
C	<i>C.V.v.tympanicae</i>
D	<i>D.V.f acialis</i>
E	<i>E.V.v.auriculares</i>
№	krok 2007
Topic	Central nervous system.
Task	A patient has a haemorrhage into the posterior central gyrus. What type of sensitivity on the opposite side will be disturbed?
Correct answer	Skin and proprioceptive
B	Visual
C	Auditory
D	Olfactory
E	Auditory and visual

№	krok 2007
Topic	Heart. Vascular system.
Task	A patient has pain, edema and reddening of his skin in the anterosuperior area of his thigh and his foot's thumb. What lymph nodes of his lower extremity responded to the inflammatory process?
Correct answer	Superficial inguinal
B	Deep inguinal
C	Internal longitudinal
D	Superficial longitudinal
E	General longitudinal
№	krok 2007
Topic	Cranial nerves
Task	A patient got a craniocerebral trauma that resulted in right-side convergent strabismus. Damage of which craniocerebral nerve caused such consequences?
Correct answer	<i>n.abducens</i>
B	<i>n.facialis</i>
C	<i>n.trigeminus</i>
D	<i>n.trochlearis</i>
E	<i>n.oculomotorius</i>
№	krok 2007
Topic	Digestive system.
Task	In case of a penetrating wound of the anterior abdominal wall the wound tract went above the lesser curvature of stomach. What peritoneum formation is most likely to be injured?
Correct answer	<i>Ligamentum hepatogastricum</i>
B	<i>Ligamentum gastrocolicum</i>
C	<i>Ligamentum hepatoduodenale</i>
D	<i>Ligamentum hepato-renale</i>
E	<i>Ligamentum triangulare sinistrum</i>
№	krok 2010
Topic	Heart. Vascular system.
Task	In course of laparotomy a surgeon revealed gangrenous lesion of descending colon. It was caused by thrombosis of the following artery:
Correct answer	Sinister colic

B	Median colic
C	Dexter colic
D	D.Ileocolic
E	E.Superior mesenteric artery
№	krok 2010
Topic	Sensory organs.
Task	Inflammation of the tympanic cavity (purulent otitis media) was complicated by inflammation of mammillary process sockets. What wall of tympanic cavity did the pus penetrate into the sockets through?
Correct answer	Posterior
B	Anterior
C	Medial
D	Lateral
E	Superior
№	krok 2010
Topic	Cranial nerves
Task	A patient caught a cold after which there appeared facial expression disorder. He cannot close his eyes, raise his eyebrows, bare his teeth. What nerve is damaged?
Correct answer	Facial
B	Vagus
C	Trigeminus
D	Glossopharyngeal
E	Infraorbital
№	krok 2010
Topic	Muscles
Task	A patient complained about being unable to adduct and abduct fingers in the metacarpophalangeal articulations towards and away from the 3rd finger. Which muscles' function is impaired?
Correct answer	Interosseous muscles
B	Lumbrical muscles
C	Breviflexors of fingers
D	Long flexors of fingers
E	Extensors
№	krok 2010



Topic	Muscles
Task	A patient has difficulties with hand movement. Examination revealed inflammation of common synovial sheath of flexor muscles. It is known from the patient's anamnesis that he got a stab wound of finger a week ago. Which finger was most probably damaged?
Correct answer	<i>Digitus minimus</i>
B	<i>Pollex</i>
C	<i>Digitus medius</i>
D	<i>Index</i>
E	<i>Digitus anularis</i>
№	krok 2010
Topic	Central nervous system.
Task	A patient staggers and walks astraddle. He has hypomyotonia of arm and leg muscles, staccato speech. In what brain section is this affection localized?
Correct answer	Cerebellum
B	Putamen
C	Caudate nucleus
D	Motor cortex
E	Red nucleus
№	krok 2010
Topic	Digestive system.
Task	Examination of a patient with impaired blood coagulation revealed thrombosis of a branch of inferior mesenteric artery. What bowel segment is damaged?
Correct answer	<i>Colon sigmoideum</i>
B	<i>Ileum</i>
C	<i>Caecum</i>
D	<i>Colon transversum</i>
E	<i>Colon ascendens</i>
№	krok 2010
Topic	Central nervous system.
Task	X-ray examination of skull base bones revealed enlargement of sellar cavity, thinning of anterior clinoid processes, destruction of different parts, destruction of different parts of sella turcica. Such bone destruction might be caused by a tumour of the following
Correct answer	Hypophysis
B	Epiphysis

C	Thymus gland
D	Adrenal glands
E	Thyroid gland
№	krok 2010
Topic	Muscles
Task	A patient was admitted to the surgical department with inguinal hernia. During the operation the surgeon performs plastic surgery on posterior wall of inguinal canal. What structure forms this wall?
Correct answer	Transverse fascia
B	Aponeurosis of abdominal external oblique muscle
C	Inguinal ligament
D	Loose inferior edge of transverse abdominal muscle
E	E.Peritoneum
№	krok 2010
Topic	Central nervous system.
Task	A patient got a trauma that caused dysfunction of motor centres regulating activity of head muscles. In what parts of cerebral cortex is the respective centre normally localized?
Correct answer	Inferior part of precentral gyrus
B	Superior part of precentral gyrus
C	Supramarginal gyrus
D	Superior parietal lobule
E	Angular gyrus
№	krok 2010
Topic	Central nervous system.
Task	A patient was diagnosed with paralysis of facial and masticatory muscles. The haematoma is inside the genu of internal capsule. What conduction tract is damaged?
Correct answer	<i>Tr. cortico-nuclearis</i>
B	<i>Tr. cortico-spinalis</i>
C	<i>Tr. cortico-thalamicus</i>
D	<i>Tr. cortico-fronto-pontinus</i>
E	<i>Tr. cortico-temporo-parieto-occipito-pontinus</i>
№	krok 2010
Topic	Respiratory system.

Task	A foreign body (a button) closed space of the right superior lobar bronchus. What segments of the right lung won't be supplied with air?
Correct answer	Apical, posterior, anterior
B	Superior and inferior lingular
C	Apical and posterior basal
D	Apical and median basal
E	Medial and lateral
№	krok 2010
Topic	Urogenital system.
Task	A patient was diagnosed with bartholinitis (inflammation of greater vulvovaginal glands). In which organ of urogenital system are these glands localized?
Correct answer	Large lips of pudendum
B	Small lips of pudendum
C	Clitoris
D	Vagina
E	Uterus
№	krok 2010
Topic	Cranial nerves
Task	Ultrasonic examination of a patient revealed aneurism in the area of aortic arch that caused alteration of vocal function of larynx. What nerve was constricted?
Correct answer	Recurrent laryngeal
B	Diaphragmatic
C	Superior laryngeal
D	Mandibular
E	Sublingual
№	krok 2018
Topic	The small and large intestine
Task	A patient complains of pain in the upper umbilical region. On palpation there is a mobile painful intestine. What intestine is being palpated by the doctor?
Correct answer	Transverse colon
B	Jejunum
C	Duodenum

D	Ileum
E	Sigmoid colon
№	krok 2018
Topic	Abdominal aorta
Task	During cholecystectomy besides a. cystyca another artery was pulled into the ligature. Ligation of this artery resulted in right-sided necrosis of the liver which led to the death of the patient. What artery was mistakenly ligated along with a. cystyca?
Correct answer	Ramus dexter a. hepatica propria
B	A. hepatica communis
C	A. gasro-duodenalis
D	Ramus sinister a. hepatica propria
E	A. pancreato-duodenalis sup
№	krok 2018
Topic	Lungs
Task	After an X-ray examination of the tuberculosis clinic patient, he was diagnosed with tumor of the right lung. During operation the surgeon removed the middle lobe of the patient's right lung. This lobe includes:
Correct answer	Segmentum laterale et segmentum mediale
B	Segmentum basale anterius et posterius
C	Segmentum anterius et segmentum apicale
D	Segmentum lingualare superius et inferius
E	Segmentum apicale (superius) et segmentum basale mediale
№	krok 2018
Topic	The heart
Task	A 2-year-old child presents with physical retardation and frequent pneumonias. The child was diagnosed with non-closure of the arterial canal. Hemodynamics disturbance in this case is caused by communication between the:
Correct answer	Aorta and pulmonary trunk
B	Pulmonary trunk and pulmonary veins
C	Superior vena cava and aorta
D	Superior vena cava and pulmonary trunk
E	Aorta and pulmonary veins
№	krok 2018
Topic	The temporal bone

Task	A child diagnosed with purulent inflammation of the middle ear was brought to the otolaryngology department. The disease started with the inflammation of the nasopharynx. It was determined that the infection had reached the tympanic cavity through the eustachian tube that is located in the:
Correct answer	Canalis musculotubarius
B	Canaliculus tympanicus
C	Canalis caroticus
D	Canaliculus chordae tympani
E	Canaliculi carotico tympanici
№	крок 2018
Topic	Cranial nerves
Task	After a case of common cold the patient developed numbness of the right side of the face. Examination revealed disturbed pain and thermal sensitivity in the right half of the face. What nerve was damaged?
Correct answer	Trigeminal
B	Facial
C	Glossopharyngeal
D	Vagus
E	Hypoglossal
№	крок 2018
Topic	Lymphatic system
Task	A 45-year-old woman presents with breast cancer. Metastases can spread in this case to the following regional lymph nodes:
Correct answer	Axillary, parasternal
B	Abdominal, cervical
C	Cervical, parasternal
D	Parasternal, mediastinal
E	Aortic, mediastinal
№	крок 2018
Topic	Midbrain
Task	A 64-year-old woman presents with disturbed fine motor function of her fingers, marked muscle rigidity, and tremor. The neurologist diagnosed her with Parkinson's disease. What brain structures are damaged resulting in this disease?
Correct answer	Substantia nigra
B	Thalamus
C	Red nuclei

D	Cerebellum
E	Reticular formation
№	krok 2018
Topic	Veins of the lower limbs
Task	A patient presents with dilated blood vessels of the anterior medial surface of the lower leg. This condition resulted from the dilation of the following blood vessel:
Correct answer	V. saphena magna
B	A. tibialis anterior
C	V. saphena parva
D	A. tibialis posterior
E	V. poplitea
№	krok 2018
Topic	Muscles of the shoulder
Task	A patient has been brought into a surgical ward with an incised wound of the anterior surface of the shoulder in its lower one-third. Flexing function was disturbed in the shoulder and elbow joints, which is caused by the damage to the:
Correct answer	Biceps muscle of the arm
B	Triceps muscle of the arm
C	Anconeus muscle
D	Deltoid muscle
E	Coracobrachial muscle
№	krok 2018
Topic	Cranial nerves
Task	A boxer had sustained a blow to the left parotid area, after which he developed paralysis of the facial muscles on this side. What nerve had been damaged?
Correct answer	Facial
B	Ophthalmic
C	Maxillary
D	Mandibular
E	Lesser petrosal
№	krok 2018
Topic	Abdominal aorta
Task	An oncology patient is to undergo a surgery on the descending colon. Name the main source of blood supply to this organ:

Correct answer	Inferior mesenteric artery
B	Superior mesenteric artery
C	Celiac trunk
D	Middle colic artery
E	Splenic artery
№	krok 2018
Topic	Nerves of the upper arm
Task	A traumatology unit has received a patient with a wrist trauma and a clinical presentation of the damage to the nerve that passes through the carpal tunnel. Name this nerve:
Correct answer	N. medianus
B	N. ulnaris
C	N. radialis
D	N. axillaris
E	N. musculocutaneus
№	krok 2018
Topic	Muscles of the abdomen
Task	A man has an inguinal hernia. The hernial sac exits through the following opening:
Correct answer	Anulus superficialis canalis inguinalis
B	Foramen suprapiriforme
C	Linea alba
D	Anulus profundus canalis inguinalis
E	Anulus femoralis
№	krok 2018
Topic	Pelvic
Task	An obstetrician-gynecologist measures pelvis size of a pregnant woman. A caliper was used to measure the distance between the two iliac crests. What measurement of large pelvis was made?
Correct answer	Distantia cristarum
B	Distantia throchanterica
C	Distantia spinarum
D	Conjugata vera
E	Conjugata anatomica
№	krok 2018

Topic	Liver
Task	During surgery performed in abdominal cavity a surgeon located the ligament of liver stretching from the anterior abdominal wall (navel) to the inferior surface of liver. What ligament is it?
Correct answer	Round ligament of the liver
B	Falciform ligament of the liver
C	Coronary ligament of the liver
D	Venous ligament of the liver
E	Triangular ligament of the liver
№	krok 2018
Topic	The heart
Task	A patient has disturbed blood supply to the anterior papillary muscle of the left ventricle. What cardiac artery supplies this muscle with blood?
Correct answer	Ramus interventricularis anterior
B	Ramus interventricularis posterior
C	A. coronaria dextra
D	Ramus circumflexus
E	Ramus marginalis
№	krok 2018
Topic	Nerves of the upper arm
Task	After a trauma the man has lost skin sensitivity on the lateral surface of his forearm. What nerve of the brachial plexus provides sensitivity of the affected area?
Correct answer	N. musculocutaneus
B	N. medianus
C	N. ulnaris
D	N. axillaris
E	N. radialis
№	krok 2018
Topic	Muscles of the hand
Task	After a hand fracture the man has lost the ability to touch his little finger with the thumb on the affected hand. Examination of the palmar surface shows one of the palmar muscles to be atrophied. Name the affected muscle:
Correct answer	M. opponens policis
B	Mm. lumbricales



C	Mm. interossei
D	M. flexor digiti minimi
E	M. palmaris brevis
№	krok 2019
Topic	Joints
Task	A patient is diagnosed with compressi-on fracture of the lumbar vertebra. The pati-ent presents with acutely increased lumbar lordosis. What ligament was damaged in this patient resulting in such deformation of vertebral column curvature?
Correct answer	Anterior longitudinal ligament
B	Posterior longitudinal ligament
C	Yellow ligament
D	Iliolumbar ligament
E	Interspinal ligament
№	krok 2019
Topic	Digestive system.
Task	A woman was delivered to a gynecological unit with signs of acute abdomen and suspected extrauterine pregnancy with oviduct rupture. Where will the blood accumulate in this case?
Correct answer	Rectouterine pouch
B	Vesicouterine pouch
C	Retrovesical pouch
D	Right lateral canal
E	Left lateral canal
№	krok 2019
Topic	Central nervous system.
Task	A patient had a trauma that caused dysfunction of motor centers regulating activity of head muscles. These centers can normally be located in the following area of the cerebral cortex:
Correct answer	Inferior part of the precentral gyrus
B	Superior part of the precentral gyrus
C	Supramarginal gyrus
D	Superior parietal lobule
E	Angular gyrus
№	krok 2019
Topic	Heart. Vascular system.

Task	The brain trauma unit received a patient with damaged greater wing of the sphenoid bone. The fracture line crosses the spinous foramen of the sphenoid. What vessel was damaged?
Correct answer	Middle meningeal artery
B	Superficial temporal artery
C	Lateral pterygoid artery
D	Anterior deep temporal artery
E	Posterior deep temporal artery
№	krok 2019
Topic	Central nervous system.
Task	Parkinson's disease is caused by disturbance of dopamine synthesis. What brain structure synthesizes this neurotransmitter?
Correct answer	Substantia nigra
B	Globus pallidus
C	Corpora quadrigemina
D	Red nuclei
E	Hypothalamus
№	krok 2019
Topic	Digestive system.
Task	During surgery performed in the abdominal cavity a surgeon located ligament of liver stretching from anterior abdominal wall (navel) to inferior surface of liver. What ligament is it?
Correct answer	Round ligament of the liver
B	Falciform ligament of the liver
C	Coronary ligament of the liver
D	Venous ligament of the liver
E	Triangular ligament of the liver
№	krok 2019
Topic	Heart. Vascular system.
Task	An injured person with wound of the anterior cervical region presents with hemorrhage. The outflowing blood is dark. What vessel is damaged?
Correct answer	V. jugularis anterior
B	V. jugularis externa
C	V. jugularis interna
D	A. carotis externa

E	A. thyroidea superior
№	krok 2019
Topic	Cranial nerves
Task	Due to trauma the patient presents with disturbed function of the parotid gland. What nerve ensures its secretion function?
Correct answer	N. petrosus minor
B	N. petrosus major
C	N. petrosus profundus
D	N. auricularis minor
E	N. auricularis major
№	krok 2019
Topic	Respiratory system.
Task	A 35-year-old man has been delivered into a surgical ward with a suppurating wound in the neck, anterior to trachea (previsceral space). If a surgical operation is not performed urgently, there is a risk of infection spreading to:
Correct answer	Thoracic cavity - anterior mediastinum
B	Thoracic cavity - middle mediastinum
C	Thoracic cavity - posterior mediastinum
D	Retrovisceral space
E	Interaponeurotic suprasternal space
№	krok 2019
Topic	Central nervous system.
Task	After a traffic accident a 36-year-old patient has developed muscle paralysis of the extremities on the right, lost pain and thermal sensitivity on the left, and partially lost tactile sensitivity on both sides. What part of the brain is the most likely to be damaged?
Correct answer	Right-hand side of the spinal cord
B	Motor cortex on the left
C	Left-hand side of the spinal cord
D	Anterior horn of the spinal cord
E	Posterior horn of the spinal cord
№	krok 2019
Topic	Heart. Vascular system.
Task	While examining foot blood supply a doctor checks the pulsation of a large artery running in the separate fibrous channel in front of articulation talocruralis between the tendons of long extensor muscles of hallux and toes. What artery is it?
Correct answer	A. dorsalis pedis

B	A. tibialis anterior
C	A. tarsea medialis
D	A. tarsea lateralis
E	A. fibularis
№	крок 2019
Topic	Peripheral nerves
Task	A man arrived into a traumatological department with a trauma of the right shoulder. Examination revealed a displaced humeral shaft fracture on the right in the middle one-third of the humerus; the patient cannot extend the fingers of his right hand. What nerve is damaged?
Correct answer	Radial
B	Ulnar
C	Median
D	Musculocutaneous
E	Axillary
№	крок 2019
Topic	Central nervous system.
Task	Due to destruction of certain structures of the brainstem an animal has lost its orientation reflexes in response to strong light stimuli. What structures were destroyed?
Correct answer	Anterior quadrigeminal bodies
B	Posterior quadrigeminal bodies
C	Red nuclei
D	Vestibular nuclei
E	Substantia nigra
№	крок 2019
Topic	Heart. Vascular system.
Task	Angiocardiology of a 60-year-old man revealed constriction of a vessel located in the left coronary sulcus of the heart. Name this pathological vessel:
Correct answer	Ramus circumflexus
B	Ramus interventricularis posterior
C	A. coronaria dextra
D	V. cordis parva
E	Ramus interventricularis anterior

№	krok 2019
Topic	Digestive system.
Task	A patient complains of pain in the right lateral abdomen. Palpation revealed a dense, immobile, tumor-like formation. The tumor is likely to be found in the following part of the digestive tube:
Correct answer	Colon ascendens
B	Colon transversum
C	Colon descendens
D	Colon sigmoideum
E	Caecum
№	krok 2019
Topic	Organs of immune and endocrine systems
Task	A specimen shows an organ covered with the connective tissue capsule with radiating trabeculae. There is also cortex containing lymph nodules, and medullary cords made of lymphoid cells. What organ is under study?
Correct answer	Lymph node
B	Thymus
C	Spleen
D	Red bone marrow
E	Tonsils
№	krok 2016
Topic	Central nervous system.
Task	After a craniocerebral injury a patient has lost the ability to recognize shapes of objects by touch (stereognosis). What area of cerebral cortex normally contains the relevant center?
Correct answer	Superior parietal lobule
B	Inferior parietal lobule
C	Supramarginal gyrus
D	Postcentral gyrus
E	Angular gyrus
№	krok 2019
Topic	Muscles
Task	A patient has been delivered into a surgical ward with an incised wound of the anterior surface of the shoulder in its lower one-third. Flexing function was disrupted in the shoulder and elbow joints, which is caused by the damage to the:
Correct answer	Biceps muscle of the arm

B	Triceps muscle of the arm
C	Anconeus muscle
D	Deltoid muscle
E	Coracobrachial muscle
№	крок 2019
Topic	Central nervous system.
Task	Vestibular receptors of semicircular canals of an animal have been destroyed. What reflexes will disappear as a result?
Correct answer	Statokinetic reflex during movements with angular acceleration
B	Statokinetic reflex during movements with linear acceleration
C	Head-righting reflex
D	Body-righting reflex
E	Primary orienting reflex
№	крок 2020
Topic	The small and large intestine
Task	A patient complains of pain in the upper umbilical region, On palpation there is a mobile painful Intestine, Miatintestine is being palpated by the doctor?
Correct answer	Transverse colon
B	Ileum
C	Duodenum
D	Sigmoid colon
E	Jejunum
№	крок 2020
Topic	Nerves of the lower limb
Task	A man was hospitalized with a lower limb trauma in the upper third of the shin. He is unable to extend his foot. What nerve was damaged because of this trauma?
Correct answer	N fibularis profundus
B	N. plantaris lateralis
C	N. fibularis communis
D	N. plantaris medialis
E	N. fibularis superficiali
№	крок 2020
Topic	The organ of vision

Task	A 25-year old woman complains of deteriorating vision. Examination revealed a defect in accommodation, the pupil is dilated and unresponsive to light. What muscles are functionally disturbed in this
Correct answer	Iris sphincter muscle, ciliary muscle
B	Lateral muscle, iris sphincter muscle
C	Superior oblique muscle, ciliary muscle
D	Iris dilator muscle, ciliary muscle
E	Iris sphincter and iris dilator muscles
№	krok 2020
Topic	Abdominal aorta
Task	A person received a penetrating wound of the abdominal cavity. The anterior abdominal wall is injured, the wound tract passes through the plica umbilicalis lateralis. What vessel is damaged?
Correct answer	A. epigastrica inferior
B	A. circumflexa tum profunda
C	A. epigastrica superior
D	A. testicularis
E	A. umbilicalis
№	krok 2020
Topic	Abdominal aorta
Task	An oncology patient is to undergo a surgery on the descending colon, Name the main source of the blood supply to this organ
Correct answer	Inferior mesenteric artery
B	Superior mesenteric artery
C	Celiac trunk
D	Splenic artery
E	Middle colic artery
№	krok 2020
Topic	The small and large intestine
Task	A 50-year-old man was hospitalized with suspected gallbladder inflammation, He was prescribed fibrogastroscopy of the gastrointestinal tract with mandatory examination of the major duodenal papilla. Where in the duodenum can doctor find this papilla?
Correct answer	Descending
B	Inferior (horizontal)
C	Ascending
D	Ampulla of Vater

E	Super'10t
№	krok 2020
Topic	Peritoneum
Task	A 50-year-old man undergoes pancreatectomy for pancreatic tail due to pancreatitis. How is the affected organ located in relation to the peritoneum?
Correct answer	Extraperitoneally
B	Mesoperitoneally
C	Intraperitoneally
D	Intramurally
E	x
№	krok 2020
Topic	The end brain
Task	After a cerebral hemorrhage the patient has lost the ability to understand speech. Where in the cortex is the site of trauma in this case?
Correct answer	Superior temporal lobe
B	Medial frontal lobe
C	Superior frontal lobe
D	Medial temporal lobe
E	x
№	krok 2020
Topic	Lymphatic system
Task	A 45-year-old woman has breast cancer. Metastases can spread in this case to the following regional lymph nodes:
Correct answer	Axillary, parasternal
B	Abdominal, cervical
C	Aortic, bronchomediastinal
D	Parasternal, bronchomediastinal
E	Cervical, parasternal
№	krok 2020
Topic	Cranial nerves
Task	A patient cannot raise his eyebrow, fully close his eye or bare his teeth on one side of his face. What nerve is likely to be damaged?
Correct answer	Facial nerve
B	Mandibular nerve
C	Maxillary nerve



D	Oculomotor nerve
E	Ophthalmic nerve
№	krok 2020
Topic	Muscles of the forearm
Task	After a domestic trauma a 34-year-old man has limited flexion of the middle phalanges of his fingers 2-5, which results in the overall limited mobility of the fingers. What muscles are likely to be functionally impaired in this case?
Correct answer	M. flexor digitorum superficialis
B	M. palmaris brevis
C	M. adductor pollicis
D	M. abductor digiti minimi
E	x
№	krok 2020
Topic	Muscles of the abdomen
Task	An inguinal hernia was found in a patient. During herniotomy, a reinforcement of the anterior wall of the inguinal canal is necessary. What anatomical structures of the anterior abdominal wall are used for the reinforcement in this case?
Correct answer	Aponeurosis of the abdominal external oblique muscle
B	Transverse fascia
C	Aponeurosis of the abdominal internal oblique muscle
D	Transverse abdominal muscle
E	Peritoneum
№	krok 2020
Topic	Venous sinuses of the brain
Task	A 26-year-old man has a large furuncle in the soft tissues of his face. It is located close to the nasal root and lower eyelid. A possible dangerous complication of this condition can lead to the infection spreading through the venous plexuses into the sinuses or the dura mater. What sinus is the most likely to be affected in this case?
Correct answer	Cavernous Sinus
B	Superior petrosal Sinus
C	Occipital sinus
D	Superior sagittal sinus
E	Sigmoid sinus
№	krok 2020
Topic	External carotid artery

Task	A person received a head wound. To temporarily stop the bleeding, the doctor pressed with finger an arterial vessel located in front of the auditory meatus and above the zygomatic arch, Name the damaged artery:
Correct answer	A. temporalis superficialis
B	A. auricularis posterior
C	A. pharyngea ascendens
D	A. maxillaris
E	x
№	krok 2020
Topic	Conducting tracts
Task	A victim of a traffic accident suffered damage to one half of the spinal cord and developed Brown-Sequard syndrome. What causes motor function disturbance on the damaged side below the site of trauma?
Correct answer	After they cross over the pyramidal tracts pass through the lateral funiculi of the spinal cord on the same side of the muscles they innervate
B	The spinothalamic tract crosses over at the level of its entry into the spinal cord and ascends on the opposite side
C	The spinothalamic tract does not cross over at the level of its entry into the spinal cord and ascends on the same side of the entry
D	Goll, Burdach, and Flechsig tracts are straight, while Gowers tract crosses over
E	After they cross over the pyramidal tracts pass through the lateral funiculi of the spinal cord on the opposite side from the muscles they innervate
№	krok 2020
Topic	Bronchi
Task	When there is a foreign body in the airways, what bronchus should the doctor examine first, while searching for the foreign body to extract it?
Correct answer	Right primary bronchus
B	Right lobar bronchi
C	Left lobar bronchi
D	Left primary bronchus
E	Left segmental bronchi
№	krok 2020
Topic	Arteries of the lower limb
Task	The doctor examines a patient with diabetes mellitus. He needs to check the pulsation of an artery that enters the foot between the tendons of extensor digitorum longus and extensor hallucis longus, What artery is it?
Correct answer	A. dorsalis pedis
B	A. plantaris medialis

C	A. plantari5 laterulis
D	A. fibularrrs
E	-
№	krok 2021
Topic	Muscles of body
Task	A 30-year-old man with an incised wound on the plantar surface of the left foot was brought to the traumatology department. Lifting of the lateral side of the foot is limited. What muscle is likely to be functionally disturbed?
Correct answer	Peroneus longus muscle
B	Triceps muscle of calf
C	Soleus muscle
D	Anterior tibial muscle
E	Flexor hallucis longus muscle
№	krok 2021
Topic	Skeleton
Task	After a collision of two cars, one of the Drivers has an extremely painful deformity in the middle third of the left shin. The pain intensifies on an attempt to move the left shin. The ends of a bone with triangular section protrude from the wound. The blood loss increases. What bone is likely to be damaged?
Correct answer	Tibia
B	Talus
C	Patella
D	Fibula
E	Femur
№	krok 2021
Topic	Periferal nervous system
Task	A man presents with atrophy of the posterior group of calf muscles. What nerve is affected in this case?
Correct answer	Tibial nerve
B	Superficial peroneal nerve
C	Femoral nerve
D	Deep peroneal nerve
E	Sural nerve
№	krok 2021
Topic	Genital system

Task	A 28-year-old woman was admitted to the gynecological department with complaints of abdominal pain. An ovarian tumor was clinically detected. Its surgical removal is indicated. During such surgery, it is necessary to cut the ligament connecting the ovary with the uterus. What ligament must the surgeon cut in this case?
Correct answer	Lig. ovarii proprium
B	Lig. suspensorium ovarii
C	Lig. cardinale
D	Lig. latum uteri
E	Lig. umbilicale laterale
№	крок 2021
Topic	Muscles of body
Task	A man was admitted to the trauma department with an injury on the anterior surface of his left thigh in its lower third. Examination shows a wound 1.5x3 cm in size, located transversely to the thigh, 2 cm above the patella. In the wound, the damaged tendon is well defined. Leg extension is limited in the patient. What muscle is most likely to be functionally impaired?
Correct answer	M. quadriceps femoris
B	M. extensor digitorum longus
C	M. triceps surae
D	M. peroneus longus
E	M. tibialis anterior
№	крок 2021
Topic	Vessels of limbs
Task	A man has tissue ischemia below the knee joint, accompanied by intermittent claudication. What artery is likely to be occluded in this case?
Correct answer	Popliteal artery
B	Proximal femoral artery
C	Deep femoral artery
D	Dorsalis pedis artery
E	Descending genicular artery
№	крок 2021
Topic	Sensory organs
Task	A man presents with convergent strabismus. What muscle of the eyeball is damaged in this case?
Correct answer	Musculus rectus oculi lateralis

B	Musculus rectus oculi medialis
C	Musculus rectus oculi inferior
D	Musculus rectus oculi superior
E	Musculus obliquus oculi superior
№	krok 2021
Topic	Digestive system
Task	A person has a wound in the abdomen in the right. What part of the colon is most likely to be damaged?
Correct answer	Ascending colon
B	Transverse colon
C	Descending colon
D	Sigmoid colon
E	Rectum
№	krok 2021
Topic	Cranial nerves
Task	A man has facial asymmetry that becomes especially noticeable when he is trying to actively contract his facial muscles. What nerve is functionally impaired in this case?
Correct answer	Facial nerve (motor branches)
B	Trigeminal nerve, branch I
C	Trigeminal nerve, branch II
D	All branches of the trigeminal nerve
E	Trigeminal nerve, branch III
№	krok 2021
Topic	Periferal nervous system
Task	A 43-year-old man came to a neurologist with complaints of shortness oL breath, chest_ pain, hiccups and phlegmy cough movements. What nerves are affected in this case?
Correct answer	Vagus nerves
B	Intercostal nerves
C	Parasympathetic nerves
D	Phrenic nerves
E	Sympathetic trunks
№	krok 2021
Topic	Periferal nervous system

Task	A patient with an injury of the greater psoas muscle was delivered to the traumatology center. The patient lost the ability to flex the leg in the knee joint. Which nerve is damaged?
Correct answer	Femoral nerve
B	Genitofemoral nerve
C	Obturator nerve
D	Ilioinguinal nerve
E	Iliohypogastric nerve
№	крок 2021
Topic	Vessels of limbs
Task	On examination a woman presents with a swelling, distended veins, and node formation on the medial surface of her thigh. It is a pathology of the following vein:
Correct answer	V. saphena magna
B	V. poplitea
C	V. femoralis
D	V. saphena parva
E	V. iliaca externa
№	крок 2021
Topic	Muscles of body
Task	A patient has a trauma of the knee joint with a crushed patella. With such injury, it is likely that the tendon of a certain thigh muscle is damaged. Name this muscle:
Correct answer	Quadriceps muscle of the thigh
B	Sartorius muscle
C	Biceps muscle of the thigh
D	Adductor magnus muscle
E	Adductor longus muscle
№	крок 2021
Topic	The heart
Task	A 54-year-old man was diagnosed with macrofocal myocardial infarction of the left ventricle anterior wall. In which artery is the blood flow impaired in this case?
Correct answer	Anterior interventricular branch of the left coronary artery
B	Posterior interventricular branch of the right coronary artery
C	Right coronary artery

D	Circumflex branch of the left coronary artery
E	Atrial branches of the left coronary artery
№	krok 2021
Topic	Central nervous system
Task	During an abdominal surgery, a reflex cardiac arrest has occurred. Where is this reflex center located?
Correct answer	In medulla oblongata
B	In midbrain
C	In cerebral cortex
D	In diencephalon
E	In spinal cord
№	krok 2021
Topic	Genital system
Task	A man has been hospitalized with a suspected prostate tumor. During the surgery it was found that the tumor has penetrated into the urinary bladder. What part of the bladder was affected?
Correct answer	Cervix
B	Body
C	Triangle
D	Fundus
E	Apex
№	krok 2021
Topic	Cranial nerves
Task	52-year-old woman. I turned to a neurologist with complaints about the loss of skin sensitivity in the right half of the face in the lower eyelid and upper lip. Which branch of the cranial nerve is damaged.
Correct answer	Maxillary branch of the trigeminal nerve
B	Chorda tympani branch of the facial nerve
C	Mandibular branch of the trigeminal nerve
D	Ophthalmic branch of the trigeminal nerve
E	Greater petrosal nerve from the facial nerve

№	krok 2021
Topic	Skeleton
Task	A man has received a hit to the area of the inferior angle of the scapula on the right, which resulted in rib fracture. What ribs were damaged in this case?
Correct answer	VI-VII
B	VIII-IX
C	X-XI
D	XII
E	I-III
№	krok 2021
Topic	Vessels of body
Task	During a surgery for spleen injury, the surgeon needs to isolate an artery that supplies the spleen with blood. Which branch of the arterial vessel is it?
Correct answer	Truncus coeliacus
B	A. gastroduodenalis
C	A. hepatica propria
D	A. hepatica communis
E	A. gastrica sinistra
№	krok 2021
Topic	The heart
Task	A man complains of a burning pain in the area of his heart. Based on the analysis of his ECG, he has been diagnosed with infarction of the posterior wall of the left ventricle. What artery has damaged branches in this case?
Correct answer	Circumflex branch of left coronary artery
B	Left coronary artery
C	Pericardial branches of the thoracic aorta
D	Anterior interventricular branch of the left coronary artery
E	Right coronary artery
№	krok 2021
Topic	
Task	A person has retained gustatory sensations, but overall sensitivity of the oral structures is lost, which indicates a damage to the:
Correct answer	N. trigeminus
B	N. vagus



C	N. glossopharyngeus
D	N. hypoglossus
E	N. facialis
№	krok 2021
Topic	Central nervous system
Task	After a cerebral trauma a person has lost the eyesight. What areas of the cerebral cortex are likely to be damaged, causing this condition?
Correct answer	Occipital lobe
B	Temporal lobe
C	Temporal and parietal lobes
D	Parietal lobe
E	Frontal lobe
№	krok 2021
Topic	Organs of immune and endocrine systems
Task	To determine the type of leukemia, the patient needs to undergo a bone marrow aspiration. What bone is usually punctured for this analysis?
Correct answer	Sternum
B	Diaphysis of the humerus
C	The first cervical vertebra
D	Diaphysis of the femur
E	The head of the third rib
№	krok 2021
Topic	
Task	A 37-year old woman complains of severe pain in her left wrist and tingling sensation in her left thumb, index finger, middle finger, and a part of her ring finger. The pain started as an occasional throb that she could ignore or relieve with ibuprofen, but now the pain is much worse and wakes her up at night. She works as a typist and the pain often increases after typing all day. Her right wrist and fingers are fine. Nerve conduction studies reveal nerve compression. Which of the following nerves is most likely compressed in this patient?
Correct answer	Median nerve
B	Ulnar nerve
C	Musculocutaneous nerve
D	Axillary nerve

E	Radial nerve
№	krok 2021
Topic	The heart
Task	During patient examination, the doctor conducts auscultation to assess the functioning of the mitral valve. Where can the tones of this valve be auscultated?
Correct answer	At the cardiac apex
B	At the edge of the sternum on the right, opposite the cartilage of rib 5
C	At the edge of the sternum, in the second intercostal space on the left
D	C. At the edge of the sternum on the left, opposite the cartilage of rib 5
E	At the edge of the sternum, in the second intercostal space on the right
№	krok 2021
Topic	Vessels of body
Task	A 45-year-old man complains about dizziness, unsteady gait, impaired coordination of movements. The examination shows that his cervical spine bone tissue and the artery passing through it are damaged. What is this artery?
Correct answer	A. vertebralis
B	A. occipitalis
C	A. carotis interna
D	A. carotis externa
E	A. subclavia
№	krok 2021
Topic	The skull
Task	A 3-year-old child has been brought to the pediatrics department with a nonclosure of the anterior fontanelle. At what age does it normally occur?
Correct answer	In the first year of life
B	At 2-3 months of age
C	At 4-6 months of age
D	In the third year of life
E	In the second year of life
№	krok 2021
Topic	Cranial nerves
Task	On examination a man presents with convergent strabismus, inward deviation of the eyeball and inability to move the eyeball outward. What nerve is damaged?

Correct answer	Abducent nerve
B	Trochlear nerve
C	Oculomotor nerve
D	Optic nerve
E	Ophthalmic nerve
№	крок 2021
Topic	Peritoneum
Task	During a surgery, the surgeon's manipulations in the area between the stomach and liver were extremely careful, to avoid damaging the hepatoduodenal ligament, because it contains:
Correct answer	Common bile duct, proper hepatic artery, hepatic portal vein
B	Common bile duct, common hepatic artery, inferior vena cava
C	Proper hepatic artery, gastroduodenal artery
D	Hepatic portal vein, hepatic veins
E	Inferior vena cava, cystic duct