

№	krok 2023
Topic	Teeth
Task	A patient had a tooth extracted. Its crown is chisel-shaped, wide, with narrow edge. The root is cone-shaped and flattened on the sides. What tooth was extracted?
Correct answer	Upper incisor
B	Upper premolar
C	Lower canine
D	Lower premolar
E	Lower incisor
№	krok 2023
Topic	Common illiac artery
Task	During the appendectomy, the patient's a. appendicularis was ligated. This vessel is a branch of the following artery:
Correct answer	A. ileocolica
B	A. mesenterica inferior
C	A. colica media
D	A. sigmoidea
E	A. colica dextra
№	krok 2023
Topic	Connection of bones
Task	Ossification of the annular stapedial ligament occurred in a patient with hearing impairment. What is this type of connection called?
Correct answer	<i>Synostosis</i>
B	<i>Hemiarthrosis</i>
C	<i>Syndesmosis</i>
D	<i>Gomphosis</i>
E	<i>Synchondrosis</i>

№	krok 2023
Topic	<i>Male reproductive system</i>
Task	A patient has aspermia. What organ is dysfunctional in this case?
Correct answer	<i>Testicle</i>
B	<i>Seminal vesicles</i>
C	<i>Bulbourethral (Cowper's) glands</i>
D	<i>Epididymis</i>
E	<i>Prostate</i>
№	krok 2023
Topic	Connection of the vertebral column
Task	A patient was diagnosed with a damaged intervertebral disk in the lumbar spine. What type of joint is it?
Correct answer	<i>Synchondrosis</i>
B	<i>Symphysis</i>
C	<i>Gomphosis</i>
D	<i>Syndesmosis</i>
E	<i>Hemiarthrosis</i>
№	krok 2023
Topic	Internal carotid artery
Task	A patient presents with disturbed blood supply to the medial surface of the right cerebral hemisphere. What artery is damaged in this case?
Correct answer	<i>A. cerebri anterior</i>
B	<i>A. cerebri media</i>
C	<i>A. chorioidea</i>
D	<i>A. communicans posterior</i>
E	<i>A. cerebri posterior</i>
№	krok 2023
Topic	Muscles of the head

Task	Normal occlusion of the dental arches can be made more pronounced by pulling the lower jaw backwards. What muscle performs this action?
Correct answer	Temporal
B	Sternocleidomastoid
C	Masseter
D	Medial pterygoid
E	Lateral pterygoid
№	krok 2023
Topic	Nasal cavity
Task	A patient is diagnosed with frontitis. He has a past history of maxillary sinusitis. What structure of the nasal cavity is the most likely pathway through which the infection was able to reach the frontal sinus?
Correct answer	Middle nasal meatus
B	Inferior nasal meatus
C	Ethmoid and sphenoid sinuses
D	Vestibule of the nose
E	Superior nasal meatus
№	krok 2023
Topic	Bones of facial skull
Task	Three days after the filling of the first right premolar, the patient developed pain under the right eye and persistent nasal congestion accompanied by the fever of 38f,C and discharge of purulent mucus from the right nasal passage. What mistake was likely made by the doctor in this case?
Correct answer	Perforation of the right maxillary sinus
B	Perforation of the sphenoid sinus
C	Fracture of the interalveolar septum
D	Perforation of the infraorbital canal
E	Perforation of the right wall of the nasal cavity
№	krok 2023

Topic	Heart
Task	A student uses percussion to determine the cardiac border that projects on the anterior thoracic wall at the level of the third costal cartilage. What cardiac border is being determined?
Correct answer	Left
B	Lower
C	Apex
D	Upper
E	Right
№	krok 2023
Topic	Trigeminal nerve
Task	A dentist administers anesthesia in the area of the upper second molar. What nerves does the doctor anesthetize?
Correct answer	Rr. alveolares superiores posteriores
B	Rr alveolares superiores anteriores
C	Rr. alveolares inferiores posteriores
D	Rr. alveolares inferiores anteriores
E	Rr. alveolares superiores medii
№	krok 2023
Topic	Larynx
Task	During a neck surgery, the patient's sternothyroid muscle was damaged by the surgeon. What function will be impaired because of the damage to this muscle?
Correct answer	Lowering of the larynx
B	Neck extension
C	Raising of the larynx
D	Raising of the hyoid bone
E	Bending the neck forwards
№	krok 2023

Topic	Teeth
Task	A 36-year-old woman came to a dentist with complaints of facial edema localized under her right eye. After examination, the dentist diagnosed her with phlegmon of the infraorbital region. What teeth often become the source of infection that spreads into this region?
Correct answer	Upper canine and first premolar
B	Second premolar and first molar
C	Upper first and second molars
D	Upper lateral and central incisors
E	Upper central incisor
№	krok 2023
Topic	Muscles of shoulder
Task	A 42-year-old man with an incised wound on the lower anterior surface of his shoulder came to a hospital. Objectively, he presents with impaired forearm flexion. What muscles are likely to be damaged in this patient?
Correct answer	M. brachialis, m. biceps brachii
B	M. coracobrachialis, m. supraspinatus
C	M. biceps brachii, m. anconeus
D	M. deltoideus, m. biceps brachii
E	M. deltoideus, m. infraspinatus
№	krok 2023
Topic	Teeth
Task	During examination of the oral cavity, a dentist detected a carious cavity in the lower second premolar. The cavity is located on the crown surface that faces the first premolar. What surface of the dental crown is affected in this case?
Correct answer	<i>Facies mesialis</i>
B	<i>Facies lingualis</i>
C	<i>Facies vestibularis</i>

D	<i>Facies distalis</i>
E	<i>Facies occlusalis</i>
№	krok 2023
Topic	Membranes of the brain
Task	A patient was diagnosed with a malignant tumor of the pineal gland. The tumor penetrates into one of the subarachnoid cisterns in the brain. To remove the tumor, a surgery must be performed in the area of the following cistern:
Correct answer	Cisterna quadrigeminalis
B	Cisterna ambiens
C	Cisterna interpeduncularis
D	Cisterna chiasmatis
№	krok 2023
Topic	Middle ear
Task	A 55-year-old man was diagnosed with purulent otitis complicated with meningitis. The posterior cranial fossa was contaminated by pus. What wall of the tympanic cavity was destroyed in this case?
Correct answer	<i>Paries mastoideus</i>
B	<i>Paries membranaceus</i>
C	<i>Paries labyrinthicus</i>
D	<i>Paries jugularis</i>
E	<i>Paries tegmentalis</i>
№	krok 2023
Topic	Knee joint
Task	A patient undergoes a surgery for a knee joint injury. The surgical incision reveals formations that improve the congruence of articular surfaces. What are these formations called?
Correct answer	Menisci
B	Discs
C	Ligaments

D	Folds
E	Labia
№	krok 2023
Topic	Heart
Task	During examination, a doctor performed auscultation to assess the functioning of the patient's mitral valve. Where can the sound of this valve be auscultated?
Correct answer	At the apex of the heart
B	At the edge of the sternum, in the second intercostal space on the left
C	At the edge of the sternum, in the second intercostal space on the right
D	At the edge of the sternum on the left, over the fifth costal cartilage
E	At the edge of the sternum on the right, over the fifth costal cartilage
№	krok 2023
Topic	Heart
Task	Auscultation reveals that in the patient's II intercostal space along the parasternal line on the right the II heart sound can be better heard than the I heart sound. What valve produces the II heart sound when closing?
Correct answer	Aortic semilunar valve
B	Bicuspid and tricuspid valves
C	Left bicuspid valve
D	Right tricuspid valve
E	Pulmonic semilunar valve
№	krok 2023
Topic	External carotid artery
Task	A patient who had his lower second molar extracted presents with bleeding from the tooth socket. What vessel is the source of the bleeding in this case?
Correct answer	Maxillary artery
B	Lingual artery
C	Facial artery

D	Ophthalmic artery
E	Ascending pharyngeal artery
№	krok 2023
Topic	Trigeminal nerve
Task	A woman came to a dental clinic with complaints of severe toothache and extreme sensitivity to sweet and sour foods and thermal stimuli. She has a history of frequent maxillary sinusitis on the right. Examination of her oral cavity detected a carious tooth — the maxillary right first premolar. The doctor suggested anesthetizing the tooth for further treatment. What nerve innervates this tooth?
Correct answer	<i>N. alveolaris superior medius</i>
B	<i>N. infraorbitalis</i>
C	<i>N. petrosus major</i>
D	<i>N. mandibularis</i>
E	<i>N. incisivus</i>
№	krok 2017, 2016
Topic	urinary system
Task	It is necessary to perform urinary bladder catheterization of an adult man. Resistance to the catheter can occur in the following structure or part of the urethra:
Correct answer	Membranous part
B	Prostatic part
C	Spongiose part
D	External urethral orifice
E	Internal urethral orifice
№	krok 2017, 2016, 2015
Topic	circulatory system

Task	A woman has come to a dentist with complaints of bruising and swelling around her eye. Anamnesis is as follows: several days prior her 1st premolar tooth had been extracted, with infraorbital anaesthesia administered; several days later hematoma appeared in the area of <i>foramen intraorbitale</i> . The branch of the following artery was damaged:
Correct answer	Maxillary artery
B	Facial artery
C	Superficial temporal artery
D	Superior labial artery
E	Masseteric artery
№	krok 2017, 2013
Topic	cranial nerves
Task	A patient consulted a doctor about an increased pain sensitivity of the ear skin and ear canal. Palpation behind the sternocleidomastoid muscle was painful. Such clinical presentations are typical of the irritation of the following nerve:
Correct answer	<i>N. auricularis magnus</i>
B	<i>N. occipitalis minor</i>
C	<i>Nn. supraclaviculares</i>
D	<i>N. vagus</i>
E	<i>N. transversus colli</i>
№	krok 2017
Topic	skull
Task	In a 12-year-old patient an inflammatory process in the internal ear spread to the meninges, diffusely affecting them. A doctor suspects the process to have spread through the connection between the subarachnoid space of the brain and perilymphatic space of the internal ear. What anatomic structure became the pathway for the spreading inflammation?
Correct answer	<i>Aqueductus vestibuli</i>
B	<i>Fossa subarcuata</i>

C	<i>Hiatus canalis n. petrosi majoris</i>
D	<i>Hiatus canalis n. petrosi minoris</i>
E	<i>Fissura petrosquamosa</i>
№	krok 2017
Topic	circulatory system
Task	A woman with essential hypertension has been hospitalized. The patient presents with aneurysm of <i>a. communicans posterior</i> of the cerebrum arterial circle. What vessels of arterial circle are normally joined with this artery?
Correct answer	<i>A. carotis interna et a. cerebri posterior</i>
B	<i>A. carotis interna et a. cerebri media</i>
C	<i>A. carotis externa et a. cerebri anterior</i>
D	<i>A. cerebri anterior et a. cerebri media</i>
E	<i>A. cerebri media et a. cerebri posterior</i>
№	krok 2017
Topic	circulatory system
Task	A 67-year-old patient has ordered a full functional denture. It was necessary to extract his left upper canine. After infraorbital anaesthesia the patient presented with progressing hematoma in the frontal part of his face. The patient was found to have an injury of the artery that is the branch of:
Correct answer	<i>maxillaris</i>
B	<i>facialis</i>
C	<i>A. temporalis superficialis</i>
D	<i>ophthalmica</i>
E	<i>labialis superior</i>
№	krok 2017, 2016, 2014
Topic	cranial nerves

Task	A 46-year-old patient consulted an oculist about drooping of the upper eyelid. On examination he was diagnosed with a brain tumor. The pathological process must have affected the nuclei of the following pair of cranial nerves:
Correct answer	III
B	II
C	IV
D	VI
E	VII
№	krok 2017
Topic	immune system
Task	A doctor examined a patient, studied the patient's blood analyses and concluded that the peripheral organs of immunogenesis are damaged. What organs are the most likely to be affected?
Correct answer	Tonsils
B	Thymus
C	Kidneys
D	Red bone marrow
E	Yellow bone marrow
№	krok 2017, 2009
Topic	circulatory system
Task	A patient has been diagnosed with bicuspid valve insufficiency. Where is this valve located?
Correct answer	Between the left atrium and left ventricle
B	Between the right atrium and right ventricle
C	Between the left and right atria
D	Between the left and right ventricles
E	At the aortic orifice
№	krok 2017
Topic	digestive system

Task	A man came to a surgeon with complains of pain in his lower right abdomen. On deep palpation the doctor detected a painful area in the right inguinal region. What part of the intestine is the most likely to be affected with pathological process?
Correct answer	Cecum
B	Transverse colon
C	Descending colon
D	Sigmoid colon
E	Rectum
№	krok 2017
Topic	circulatory system
Task	A patient with a bleeding knife wound in the area of carotid triangle has been delivered to a hospital. Blood flowing from the wound is dark. What vessel is injured?
Correct answer	Internal jugular vein
B	External jugular vein
C	Internal carotid artery
D	Facial artery
E	Facial vein
№	krok 2017
Topic	respiratory system
Task	A child with a foreign body in the lungs has been hospitalized. What bronchus is the most likely to contain this foreign body, if its diameter approximates to 1,5 cm?
Correct answer	Right primary bronchus
B	Lobar bronchus
C	Left primary bronchus
D	Left segmental bronchus
E	Right segmental bronchus
№	krok 2017

Topic	genital system
Task	A woman is diagnosed with fatty tissue inflammation located between the leaves of broad ligament of the uterus. Name this anatomical structure:
Correct answer	Parametrium
B	Perimetrium
C	Myometrium
D	Endometrium
E	Mesometrium
№	krok 2017, 2016
Topic	central nervous system
Task	The patient's examination in a hospital specialised in diseases of nervous system has revealed absence of light-induced miosis. It is caused by the damage of the following brain structures:
Correct answer	Vegetative nuclei of the 3rd pair of cranial nerves
B	Red nuclei of mesencephalon
C	Reticular nuclei of mesencephalon
D	Hypothalamus nuclei
E	Reticular nuclei of medulla oblongata
№	krok 2017
Topic	muscles
Task	A patient, who after a trauma suffers from impeded active flexion of elbow, consulted a traumatologist. What muscle is the most likely to be damaged?
Correct answer	<i>M. biceps brachii</i>
B	<i>M. pectoralis major</i>
C	<i>M. deltoideus</i>
D	<i>M. coracobrachialis</i>
E	<i>M. latissimus dorsi</i>
№	krok 2017, 2015, 2013

Topic	muscles
Task	As a result of an injury a child developed an abscess of adipose tissue of the cheek. With time the process spread to the lateral surface of the pharynx. Pus had spread along the following fascia:
Correct answer	Bucco-pharyngeal
B	Temporal
C	Masticatory
D	Parotid
№	krok 2017
Topic	central nervous system
Task	Brain investigation by means of nuclear magnetic resonance revealed the patient to have a hematoma in the genu of the internal capsule. What pathway is damaged in this case?
Correct answer	<i>Tr. cortico-nuclearis</i>
B	<i>Tr. cortico-spinalis</i>
C	<i>Tr. cortico-fronto-pontinus</i>
D	<i>Tr. cortico-thalamicus</i>
E	<i>Tr. thalamo-corticalis</i>
№	krok 2017
Topic	muscles
Task	A patient with displaced fracture of the right coronoid process of mandible has been delivered to a firstaid center. What muscle had displaced the coronoid process?
Correct answer	Right temporal muscle
B	Right masticatory muscle
C	Right lateral pterygoid muscle
D	Right medial pterygoid muscle
E	Left masticatory muscle
№	krok 2017, 2016
Topic	digestive system

Task	To drain the oral cavity a dentist places a tampon between the cheek and the 2nd upper molar. This way secretion of the following salivary gland WILL NOT be able to accumulate in the oral cavity:
Correct answer	Parotid gland
B	Submandibular gland
C	Sublingual gland
D	Lingual gland
E	Labial glands
№	krok 2017
Topic	central nervous system
Task	After the cerebral hemorrhage a patient developed aphasia - lost the ability to articulate words. The hemorrhage is localized in the:
Correct answer	Inferior frontal gyrus
B	Superior frontal gyrus
C	Middle frontal gyrus
D	First temporal convolution
E	Second temporal convolution
№	krok 2017
Topic	skull
Task	A patient with a nasal trauma presents with skull fracture that circles the piriform opening. What bone is damaged?
Correct answer	Nasal
B	Lacrimal
C	Maxillary
D	Frontal
E	Ethmoid
№	krok 2017
Topic	circulatory system

Task	A patient has suffered a head injury. On examination there is a subcutaneous hematoma in the temporal area. What vessel was damaged, thus resulting in hematoma development?
Correct answer	<i>A. temporalis superficialis</i>
B	<i>A. maxillaris</i>
C	<i>A. auricularis posterior</i>
D	<i>A. buccalis</i>
E	<i>A. occipitalis</i>
№	krok 2017
Topic	skull
Task	During examination of a woman she was found to have a luminal narrowing of the right jugular foramen (<i>foramen jugulare</i>). What cranial bones form this foramen?
Correct answer	Temporal and occipital
B	Occipital and frontal
C	Temporal and cuneiform
D	Occipital and cuneiform
E	Cuneiform and palatine
№	krok 2017
Topic	digestive system
Task	A patient is diagnosed with inflammatory process in the area of the excretory duct of submandibular gland. This duct opens to:
Correct answer	<i>Caruncula sublingualis</i>
B	<i>Vestibulum oris</i>
C	<i>Foramen caecum linguae</i>
D	<i>Linea terminalis</i>
E	<i>Recessus gingivalis</i>
№	krok 2017
Topic	central nervous system

Task	During a brain surgery stimulation of the cerebral cortex resulted in tactile and thermal sensations in the patient. What gyrus was stimulated?
Correct answer	Postcentral gyrus
B	Cingulate convolution
C	Parahippocampal gyrus
D	Superior temporal gyrus
E	Precentral gyrus
№	krok 2017
Topic	skull
Task	A patient suffers from an inflammatory process in the area of the lower wall of orbital cavity. What anatomical structure makes it possible for the inflammatory process to spread to the pterygopalatine fossa?
Correct answer	Inferior orbital fissure
B	Superior orbital fissure
C	Supraorbital incisure
D	Posterior ethmoidal foramen
E	Optic canal
№	krok 2017
Topic	skull
Task	A patient is diagnosed with deformed posterior portion of the nasal septum. What bone is deformed?
Correct answer	Vomer
B	Medial pterygoid plate
C	Lateral pterygoid plate
D	Perpendicular plate of ethmoid bone
E	Vertical plate of palatine bone
№	krok 2017
Topic	circulatory system

Task	A patient suffers from disturbed blood supply of superior lateral surface of the cerebral hemispheres. What blood vessel is damaged?
Correct answer	Medial cerebral artery
B	Anterior cerebral artery
C	Posterior cerebral artery
D	Anterior communicating artery
E	Posterior communicating artery
№	krok 2017
Topic	circulatory system
Task	A victim of an accident has hemorrhage in the area of lateral surface of the mastoid process. What branch of the external carotid artery supplies this area with blood?
Correct answer	<i>auricularis posterior</i>
B	<i>A. temporalis superficialis</i>
C	<i>facialis</i>
D	<i>maxillaris</i>
E	<i>pharyngea ascendens</i>
№	krok 2017
Topic	central nervous system
Task	A 33-year-old man presents with disturbed pain and thermal sensitivity after a spinal cord trauma. The following ascending tract is injured:
Correct answer	Spinothalamic
B	Lateral corticospinal
C	Anterior corticospinal
D	Ventral spinocerebellar
E	Dorsal spinocerebellar
№	krok 2017
Topic	central nervous system

Task	To test teeth sensitivity they are sprayed with cold or hot water. What structure of cerebral cortex provides subjective estimation of this thermal test?
Correct answer	Posterior central gyrus
B	First temporal convolution
C	Precentral gyrus
D	Middle frontal gyrus
E	Central fissure
№	krok 2017
Topic	digestive system
Task	During oral cavity examination a dentist noticed eruption of the permanent canines in a child. The child grows and develops normally. Determine the child's age:
Correct answer	11-13 years
B	13-16 years
C	6-7 years
D	8-9 years
E	9-10 years
№	krok 2017
Topic	skull
Task	Lateral X-ray of the occipital bone area demonstrates fracture of the occipital condyle. Integrity of the following anatomical structure is disturbed:
Correct answer	<i>Canalis nervi hypoglossi</i>
B	<i>Canalis caroticus</i>
C	<i>Foramen ovale</i>
D	<i>Foramen stylomastoideum</i>
E	<i>Foramen mastoideum</i>
№	krok 2016, 2014
Topic	cranial nerves

Task	A patient consulted a doctor about difficult chewing. On examination he was found to have atrophy of the right temporal muscle and masticatory muscles. Upon opening the mouth, the patient's jaw deviates to the left. What nerve is affected?
Correct answer	Motor portion of the mandibular nerve
B	Facial
C	Inferior alveolar
D	Maxillary
E	Mandibulohyoid
№	krok 2016, 2015
Topic	muscles
Task	Examination of a 23-year-old patient reveals that, when his tongue is protruded, its tip deviates to the side. This is caused by the dysfunction of the following tongue muscle:
Correct answer	Genioglossus
B	Hyoid
C	Superior longitudinal
D	Inferior longitudinal
E	Styloglossus
№	krok 2016
Topic	cranial nerves
Task	It is required to anaesthetize right lower molars. The proper injection site for the conduction anaesthesia is:
Correct answer	The region of the right mandibular foramen
B	The gums to the right of mandible
C	The region of the right mental foramen
D	The region of suborbital foramen
E	The region of the oval foramen
№	krok 2016
Topic	circulatory system

Task	A patient consulted a doctor about an inflammation of the ethmoid bone cells (ethmoiditis). Examination revealed the disorder of blood supply to the bone. Ethmoidal cells are normally supplied with blood through the branches of the following artery:
Correct answer	<i>A. ophthalmica</i>
B	<i>A. infraorbitalis</i>
C	<i>A. facialis</i>
D	<i>A. cerebri anterior</i>
E	<i>A. transversa faciei</i>
№	krok 2016
Topic	cranial nerves
Task	Due to a cranial trauma leading to damage of the eye socket superior wall a patient has lost the ability to lift the upper eyelid and look upwards. What nerve is most likely damaged?
Correct answer	<i>R. superior n.oculomotorii</i>
B	<i>R. inferior n.oculomotorii</i>
C	<i>N. trochlearis</i>
D	<i>N. abducens</i>
E	<i>N. ophthalmicus</i>
№	krok 2016
Topic	digestive system
Task	A woman with a tumour of the pancreas has developed mechanic jaundice due to 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 2016, 2012

Topic	central nervous system
Task	After a hemorrhage into the brainstem a patient has lost reflex of myosis as a reaction to increase of illumination. What structure was damaged?
Correct answer	Vegetative nuclei of oculomotor nerve
B	Lateral reticular nuclei
C	Medial reticular nuclei
D	Red nuclei
E	Black substance
№	krok 2016
Topic	circulatory system
Task	A 67-year-old patient has ordered a full functional denture. It was necessary to extract the left upper canine. After infraorbital anesthesia the patient presented with a progressing hematoma in the frontal part of the face. The patient was found to have an injury of an artery that is the branch of:
Correct answer	<i>maxillaris</i>
B	<i>facialis</i>
C	<i>A. temporalis superficialis</i>
D	<i>ophthalmica</i>
E	<i>labialis superior</i>
№	krok 2016
Topic	central nervous system
Task	Due to a stroke (cerebral hemorrhage) a patient has lost the ability of voluntary movement of the head and neck muscles. Brain examination revealed the hematoma to be situated within the genu of internal capsule. What conduction pathway 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.thalamo-corticalis</i>
№	krok 2016, 2015
Topic	urogenital system
Task	A patient with acute retention of urine has been brought to an admission room. During examination a doctor found out that the patient has urethral obturation caused by pathology of the surrounding organ. Name this organ.
Correct answer	Prostate
B	Testicle
C	Seminal vesicle
D	Spermatic cord
E	Epididymis
№	krok 2016
Topic	immune system
Task	During examination a patient presents with the following: hypertrophy and inflammation of lymphoid tissue, mucosa swelling between the arches of the soft palate. What tonsil is situated there?
Correct answer	<i>Tonsilla palatina</i>
B	<i>Tonsilla pharyngealis</i>
C	<i>Tonsilla tubaria</i>
D	<i>Tonsilla lingualis</i>
№	krok 2016
Topic	spesial sense organs
Task	On examination a patient was revealed to have a large amount of mucus accumulated in the nasal cavity. The mucus covers the mucosa and blocks the olfactory receptors. Where exactly are these receptors situated in a nasal cavity?
Correct answer	Superior nasal concha
B	Middle nasal concha
C	Inferior nasal concha

D	Common nasal meatus
№	krok 2016
Topic	digestive system
Task	During examination of a child's oral cavity a dentist noted the appearance of the first permanent molars on the child's lower jaw. How old is the child?
Correct answer	06.Лип
B	04.Тра
C	08.Вер
D	10.Лис
E	Гру.13
№	krok 2016, 2015, 2013
Topic	digestive system
Task	A child is 6 years old. The permanent teeth have started to take the place of the primary teeth. What teeth are the first to emerge?
Correct answer	Lower first molars
B	Lower first premolars
C	Upper first premolars
D	Upper medial incisors
E	Lower canines
№	krok 2016
Topic	muscles
Task	A doctor noted in the patient's case history, that the wound entry hole is situated in the submandibular triangle. What anatomical landmark binds this area?
Correct answer	Lower jaw edge
B	Neck midline
C	<i>M.sternocleidomastoideus</i>
D	<i>M.trapezius</i>

E	<i>M.omohyoideus</i>
№	krok 2016, 2014, 2013
Topic	skull
Task	A patient has an inflammation in the pterygopalatine fossa. The infection has spread into the nasal cavity. Which anatomical structure has the infection spread through?
Correct answer	<i>Foramen sphenopalatinum</i>
B	<i>Foramen rotundum</i>
C	<i>Canalis palatinus major</i>
D	<i>Canalis palatinus minor</i>
E	<i>Canalis pterygoideus</i>
№	krok 2016
Topic	circulatory system
Task	Due to a contusion suffered in a traffic accident a patient has lost vision. Ophthalmoscopy revealed no changes of the eyeball. What artery is damaged in this case?
Correct answer	Posterior cerebral artery
B	Anterior cerebral artery
C	Medial cerebral artery
D	Ophthalmic artery
E	Central retinal artery
№	krok 2016
Topic	joints
Task	During a foot trauma both cuboid and cuneiform bones have been crushed. As a result the foot must be amputated at the following joint:
Correct answer	<i>Transversa</i>
B	<i>Cuneonavicularis</i>
C	<i>Tallocruralis</i>
D	<i>Tarsimetatarsa</i>

E	<i>Intermetatarsea</i>
№	krok 2016
Topic	skull
Task	A patient has a skull fracture located in front of the foramen magnum. What bone is damaged?
Correct answer	<i>Pars basilaris ossis occipitalis</i>
B	<i>Pars lateralis ossis occipitalis</i>
C	<i>Pars squamosa ossis occipitalis</i>
D	<i>Pars squamosa ossis temporalis</i>
E	<i>Pars petrosa ossis temporalis</i>
№	krok 2016, 2012
Topic	muscles
Task	An oral surgery unit admitted a woman with a phlegmon on the anterior surface of neck in the region of carotid triangle. What muscle demarcates the posterior wall of this triangle?
Correct answer	Sternocleidomastoid
B	Thyrohyoid
C	Sternohyoid
D	Omohyoid
E	Sternothyroid
№	krok 2016
Topic	muscles
Task	When processing a molar tooth with a dental cutter a dentist has accidentally deeply wounded the patient's cheek and damaged not only the mucosa but also a muscle. Which muscle was injured?
Correct answer	Buccal muscle
B	Greater zygomatic muscle
C	Masticatory muscle
D	Orbicular muscle of the mouth
E	Mylohyoid muscle

№	krok 2016
Topic	cranial nerves
Task	A man has developed downturning mouth and smoothed out nasolabial fold due to influenza complication. What nerve is damaged?
Correct answer	Facial nerve
B	Maxillary nerve
C	Mandibular nerve
D	Trochlear nerve
E	Oculomotor nerve
№	krok 2016
Topic	central nervous system
Task	Parkinson's disease is caused by disrupted dopamine synthesis. What brain structure synthesizes this neurotransmitter?
Correct answer	Substantia nigra
B	Pallidum
C	Quadrigeminal plate
D	Red nuclei
E	Hypothalamus
№	krok 2016
Topic	cranial nerves
Task	A doctor has determined disruption of pain and temperature sensitivity of the mucosa of the anterior 2/3 of the patient's tongue. Gustatory sensitivity is retained. The patient suffers from the functional disorder of the following cranial nerve:
Correct answer	Trigeminal nerve
B	Hypoglossal nerve
C	Facial nerve
D	Vagus nerve

E	Glossopharyngeal nerve
№	krok 2016
Topic	muscles
Task	A victim has a deep incised wound in the area of external surface of the gonial angle. What muscle is damaged in this case?
Correct answer	<i>M. masseter</i>
B	<i>M. zygomaticus</i>
C	<i>M. buccinator</i>
D	<i>M. orbicularis oris</i>
E	<i>M. depressor anguli oris</i>
№	krok 2015
Topic	circulatory system
Task	Alveolar bleeding has been detected following the extraction of the maxillary second premolar. What artery causes this kind of bleeding, when damaged?
Correct answer	Middle superior alveolar artery
B	Posterior superior alveolar artery
C	Inferior alveolar artery
D	Palatine artery
E	Anterior superior alveolar artery
№	krok 2015
Topic	central nervous system
Task	A patient has lost his ability to recognize objects by their characteristic sounds (clock, bell, music). What part of his brain is damaged?
Correct answer	<i>Lobus temporalis</i>
B	<i>Lobus occipitalis</i>
C	<i>Lobus frontalis</i>
D	<i>Lobus parietalis</i>

E	<i>Insula</i>
№	krok 2015
Topic	muscles
Task	A patient complains of pain in the thorax during breathing, dyspnea, restriction of coughing movements, hiccup. What respiratory muscles are affected?
Correct answer	Diaphragm
B	External intercostal muscles
C	Serratus anterior muscle
D	Internal intercostal muscles
E	Abdominal muscles
№	krok 2015
Topic	urogenital system
Task	Having lost significant amount of body weight, a 70-year-old patient complains of dull pain in the lumbar area. In the result of examination he was diagnosed with floating kidney. What part of kidney supporting apparatus is most likely to be damaged?
Correct answer	Capsula adiposa
B	Capsula fibrosa
C	M. Iliopsoas
D	Lig. Hepatorenalis
E	M. quadratus lumborum
№	krok 2015, 2013
Topic	circulatory system
Task	A patient has air embolism as a result of a skin injury in the middle portion of the sternocleidomastoid muscle. Which cervical vein was injured?
Correct answer	External jugular vein
B	Anterior jugular vein
C	Internal jugular vein

D	Posterior auricular vein
E	Transverse cervical vein
№	krok 2015
Topic	skull
Task	Otopyosis has caused tympanic cavity roof to be broken by pus. From tympanic cavity pus spreads to the following cranial fossa:
Correct answer	Middle cranial fossa
B	Posterior cranial fossa
C	Anterior cranial fossa
D	Orbit
E	Sphenopalatine fossa
№	krok 2015, 2014
Topic	peripheral nervous system
Task	A 33-year-old patient complains of an impairment of skin sensitivity in the medial part of the dorsal and palmar surface of hand. Which nerve is damaged?
Correct answer	<i>N. ulnaris</i>
B	<i>N. radialis</i>
C	<i>N. medianus</i>
D	<i>N. musculocutaneus</i>
E	<i>N. cutaneus antebrachii medialis</i>
№	krok 2015
Topic	muscles
Task	A 2-year-old child has congenital spastic contraction of muscles on one side of neck, that is torticollis. What muscle is affected?
Correct answer	Sternocleidomastoid
B	Subcutaneous
C	Sternohyoid

D	Sternothyroid
E	Omohyoid
№	krok 2015, 2014
Topic	digestive system
Task	Examination of the oral cavity of a 19-year-old patient revealed a small gap between the maxillary and mandibular incisors. There was no contact between the front teeth. Specify the type of occlusion in this patient:
Correct answer	Open occlusion
B	Orthognathia
C	Edge-to-edge occlusion
D	Closed bite
E	Prognathism
№	krok 2015
Topic	muscles
Task	A 5-year-old child with diagnosis of diphtheria has been hospitalised in severe condition in a contagious isolation ward. Tracheostomy had to be performed on the child to prevent asphyxiation. This operation was carried out in the following neck triangle (trigonum):
Correct answer	<i>Omotracheale</i>
B	<i>Caroticum</i>
C	<i>Omoclaviculare</i>
D	<i>Submandibulare</i>
E	<i>Omotrapezoideum</i>
№	krok 2015
Topic	circulatory system
Task	An injured person with a wound of forearm radial surface has been brought to a surgical department. Venous bleeding of the wound is observed. What blood vessel is damaged?
Correct answer	<i>V. cephalica</i>

B	<i>V. basilica</i>
C	<i>V. intermedia cubiti</i>
D	<i>Vv. ulnares</i>
E	<i>Vv. brachiales</i>
№	krok 2015, 2013
Topic	respiratory system
Task	A patient underwent lobectomy of the right middle lobe of a lung. What segments of the lung were affected?
Correct answer	Lateral and medial
B	Apical, anterior
C	Basal medial and anterior
D	Basal posterior and lateral
E	Apical posterior and anterior
№	krok 2015
Topic	central nervous system
Task	A patient has been hospitalized with skull trauma. His examination established absence of volitional movements of his head and neck muscles. What part of brain can cause this effect if damaged?
Correct answer	Lower part of precentral gyrus
B	Lower part of postcentral gyrus
C	Upper part of precentral gyrus
D	Upper part of postcentral gyrus
E	Inferior frontal (Broca's) gyrus
№	krok 2015, 2014
Topic	immune system
Task	Orthodontic treatment of a child proved to be ineffective due to the chronic mouth breathing since the nasal breathing is impaired. This is caused by the hypertrophy of the following tonsils:
Correct answer	Pharyngeal
B	Tubal

C	Lingual
D	Palatine
E	Palatine and tubal
№	krok 2015
Topic	cranial nerves
Task	A patient complains of feeling of pain in his upper jaw and teeth. Physical examinations reveals painful feeling when supraorbital incisure area is pressed. What nerve is damaged?
Correct answer	The 2nd branch of trigeminal nerve
B	The 1st branch of trigeminal nerve
C	The 3rd branch of trigeminal nerve
D	Trochlear nerve
E	Facial nerve
№	krok 2015
Topic	cranial nerves
Task	A patient with mandibular osteomyelitis shows the signs of plexus dentalis inferior damage and innervation disruption of his mandibular teeth and gums. What nerve provides this innervation with its branches?
Correct answer	<i>N. alveolaris inferior</i>
B	<i>N. maxillaris</i>
C	<i>N. lingualis</i>
D	<i>N. buccalis</i>
E	<i>N. facialis</i>
№	krok 2015, 2013, 2010
Topic	cranial nerves
Task	A patient has secretory dysfunction of the submandibular salivary gland. Which nerve is responsible for its vegetative innervation?
Correct answer	<i>Chorda tympani</i>
B	<i>N.auriculotemporalis</i>

C	<i>N.mandibularis</i>
D	<i>N.petrosus major</i>
E	<i>N.petrosus minor</i>
№	krok 2015
Topic	central nervous system
Task	The patient's examination in a hospital specialised in diseases of nervous system has revealed absence of light-induced miosis. It is caused by damage of the following brain structures:
Correct answer	Vegetative nuclei of the 3rd pair of cranial nerves
B	Red nuclei of mesencephalon
C	Reticular nuclei of mesencephalon
D	Hypothalamus nuclei
E	Reticular nuclei of medulla oblongata
№	krok 2015, 2012
Topic	circulatory 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 2015
Topic	muscles
Task	A patient has temporal bone fracture caused by an accident. What muscle functioning is disrupted?
Correct answer	<i>M. masseter</i>
B	<i>M. temporalis</i>
C	<i>M. pterygoideus medialis</i>

D	<i>M. pterygoideus lateralis</i>
E	<i>M. risorius</i>
№	krok 2015
Topic	central nervous system
Task	Peripheral nerve trauma causes muscle atrophy; bones become porous and brittle; sores appear on skin and mucosa. What function of nervous system is damaged?
Correct answer	Trophic
B	Motor
C	Sensory
D	Vegetative
E	Higher nervous activity
№	krok 2015
Topic	circulatory system
Task	Squamous part of temporal bone and the artery situated on its inner surface have been damaged in the result of inflicted gunshot wound. What artery is it?
Correct answer	Middle collateral artery
B	Middle temporal artery
C	Superficial temporal artery
D	Anterior deep temporal artery
E	Posterior deep temporal artery
№	krok 2015
Topic	muscles
Task	A patient with incised wound of trapezius muscle has been referred to a traumatology department. What cervical fascia forms sheath of this muscle?
Correct answer	Lamina superficialis
B	Muscular part of lamina pretrachealis
C	Visceral part of lamina pretrachealis

D	Lamina prevertebralis
E	Vagina carotica
№	krok 2015
Topic	special sense organs
Task	Patient's eye accommodation process has been disrupted. What muscle is damaged?
Correct answer	<i>Musculus ciliaris</i>
B	<i>Musculus sphincter pupillae</i>
C	<i>Musculus dilatator pupillae</i>
D	<i>Musculus rectus superior</i>
E	<i>Musculus rectus inferior</i>
№	krok 2015
Topic	skull
Task	A patient has chronic rhinitis. Nasal cavity mucosa swelling causes disruption of the olfactory nerve receptors placed in the nasal cavity olfactory region. What formation allows for olfactory nerve endings to enter into anterior cranial fossa?
Correct answer	<i>Lamina cribrosa os ethmoidale</i>
B	<i>Foramen ethmoidale anterior</i>
C	<i>Foramen ethmoidale posterior</i>
D	<i>Foramen sphenopalatinum</i>
E	<i>Foramen incisivum</i>
№	krok 2014
Topic	urogenital system
Task	A 58-year-old male patient consulted an urologist about acute pain during urination and decreased amount of the excreted urine. Urolithiasis was suspected. The concretions are most likely to be found in the following part of the urethra:
Correct answer	<i>Pars membranacea</i>
B	<i>Pars prostatica</i>

C	<i>Pars spongiosa</i>
D	<i>Pars pelvina</i>
E	<i>Pars intramuralis</i>
№	krok 2014, 2013
Topic	cranial nerves
Task	A patient with inflammation of tongue mucosa (glossitis) complains of taste sensitivity disorder in the two anterior thirds of his tongue. This is caused by the damage of the following nerve:
Correct answer	Tympanichord
B	Tympanic
C	Lesser petrosal
D	Lingual
E	Glossopharyngeal
№	krok 2014
Topic	muscles
Task	As a result of injury of tongue a 32-year-old male had a heavy bleeding. The bleeding can be stopped by ligating an artery in the following topographic anatomic region (triangle):
Correct answer	Pirogov's triangle
B	Omoclavicular triangle
C	Carotid triangle
D	Omotrapezoid triangle
E	Omotracheal triangle
№	krok 2014, 2013
Topic	skull
Task	The operative dentistry department admitted a newborn girl who choked during sucking. Examination revealed cleft palate arising from non-union of the middle frontal process and maxillary process of the I-st branchial arch. The cleft was located in the palate between:
Correct answer	<i>Os incisivum et processus palatinus maxillae</i>

B	<i>Processus palatinus maxillae dextrae et sinistrae</i>
C	<i>Lamina horizontalis os palatinum dextrum et sinistrum</i>
D	<i>Processus palatinus maxillae et lamina horizontalis os palatinum</i>
E	<i>In the region of canalis incisivus</i>
№	krok 2014
Topic	skull
Task	A 39-year-old patient consulted a dentist about having a dry area of the oral mucosa beneath the tongue on the right. The dentist revealed a compression of chorda tympani as it exits to the right infratemporal fossa through the following fissura:
Correct answer	<i>Petrotympánica</i>
B	<i>Tympanomastoidea</i>
C	<i>Petrosquamosa</i>
D	<i>phenopetrosa</i>
E	<i>Petrooccipitalis</i>
№	krok 2014
Topic	immune system
Task	A 36-year-old patient presents with periodontitis of the mandibular molar. It was found that inflammation had spread to the lymph nodes. What lymph nodes were the first to be involved in the inflammatory process?
Correct answer	Submandibular
B	Lateral cervical
C	Anterior cervical
D	Mental
E	Facial
№	krok 2014
Topic	digestive system

Task	Examination of a 23-year-old patient reveals that when his tongue is protruded, its tip deviates to the side. This is caused by the dysfunction of the following tongue muscle:
Correct answer	Genioglossus
B	Hyoid
C	Superior longitudinal
D	Inferior longitudinal
E	Styloglossus
№	krok 2014
Topic	muscles
Task	A 2-year-old child has congenital spastic contraction of muscles on one side of neck, that is torticollis. What muscle is affected?
Correct answer	Sternocleidomastoid
B	Subcutaneous
C	Sternohyoid
D	Sternothyroid
E	Omohyoid
№	krok 2014
Topic	digestive system
Task	The emergency department admitted a 48-year-old male with a blunt abdominal injury on the right and a suspected rupture of liver. Which of these peritoneal structures can be expected to include blood accumulations?
Correct answer	Rectovesical pouch
B	Superior iliocecal recess
C	Intersigmoidal recess
D	Omental sac
E	Left paracolic gutter
№	krok 2014

Topic	central nervous system
Task	Examination of a patient with a brain cortex injury revealed that he had lost the tactile sensitivity. 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 2014
Topic	circulatory system
Task	Ultrasonography of a pregnant revealed no abnormalities in the cardiovascular system of the fetus, the ductus arteriosus had a normal function. What vessels does it connect?
Correct answer	Pulmonary trunk and aorta
B	Pulmonary trunk and superior vena cava
C	Pulmonary trunk and inferior vena cava
D	Umbilical vein and aorta
E	Umbilical vein and umbilical artery
№	krok 2014
Topic	urogenital system
Task	A boy has been diagnosed with a hydrocele (fluid collection within the scrotum). Which scrotum tunica contains this liquid?
Correct answer	Tunica vaginalis
B	Tunica dartos
C	Tunica albuginea
D	External spermatic fascia
E	Internal spermatic fascia
№	krok 2014

Topic	skull
Task	A 36-year-old injured has an occipital bone injury causing damage to the sigmoid sinus. What part of the bone is damaged?
Correct answer	<i>Pars lateralis</i>
B	<i>Clivus</i>
C	<i>Pars basilaris</i>
D	<i>Squama</i>
№	krok 2014
Topic	special sense organs
Task	A 42-year-old patient has an inflammation of the inner ear. After the examination, the doctor revealed the affection of the first neuron bodies of the auditory analyzer. Where are they localized?
Correct answer	<i>G. spirale</i>
B	<i>G. vestibulare</i>
C	<i>G. geniculi</i>
D	<i>G. trigeminale</i>
E	<i>G. ciliare</i>
№	krok 2014
Topic	joints
Task	A 34-year-old injured is unable to nod his head (impaired flexion and extension of head). This is caused by the dysfunction of the following joint:
Correct answer	Atlantooccipital
B	Lateral atlantoaxial
C	Median atlantoaxial
D	Zygapophysial
№	krok 2014
Topic	circulatory system

Task	A 35-year-old patient had a cerebral injury that caused a hemorrhage in the region of the medial surface of the frontal gyrus and cingulate gyrus. What artery supplies blood to the area of the hemorrhage localization?
Correct answer	Anterior cerebral
B	Median cerebral
C	Basilar
D	Posterior cerebral
E	Anterior communicating
№	krok 2014
Topic	digestive system
Task	A 34-year-old patient underwent a tooth extraction. The tooth crown was of diamond shape and had four tubercles on the masticatory surface, the tooth had three roots. What tooth was extracted?
Correct answer	The first maxillary molar
B	The first mandibular molar
C	Second maxillary molar
D	The third maxillary molar
E	The second mandibular molar
№	krok 2014
Topic	skull
Task	A 38-year-old female patient has been diagnosed with inflammation of the third branch of the trigeminal nerve. This branch exits the skull through the following foramen:
Correct answer	Oval
B	Round
C	Spinous
D	Jugular
E	Sphenotic
№	krok 2014
Topic	cranial nerves

Task	After an infectious disease a 21-year-old patient exhibits the inability to rotate his head in the direction opposite to the affected region. What nerve has been damaged?
Correct answer	Accessory
B	Vagus
C	Infrascapular
D	Transverse cervical nerve
E	Thoracodorsal
№	krok 2014
Topic	circulatory system
Task	A 49-year-old patient has a tumor of the ventral surface of the pons. An impaired blood flow will be observed in the following artery:
Correct answer	<i>A. basilaris</i>
B	<i>A. carotis interna</i>
C	<i>A. cerebri media</i>
D	<i>A. cerebri anterior</i>
E	<i>A. communicans posterior</i>
№	krok 2014
Topic	muscles
Task	A 24-year-old injured has a fracture in the middle third of the II rib. The fracture is accompanied by the dysfunction of the following muscle:
Correct answer	<i>M. scalenus posterior</i>
B	<i>M. sternocleidomastoideus</i>
C	<i>M. sternohyoideus</i>
D	<i>M. scalenus medius</i>
E	<i>M. subclavius</i>
№	krok 2014
Topic	circulatory system

Task	A physician performs the anterior transverse cervical skin incision for urgent tracheotomy. He should keep in mind the probability of damaging the following vessel:
Correct answer	<i>Arcus venosus juguli</i>
B	<i>V.jugularis externa</i>
C	<i>V.jugularis interna</i>
D	<i>V.facialis</i>
E	<i>V.thyroidea media</i>
№	krok 2014
Topic	circulatory system
Task	A 36-year-old injured with a knife wound of neck has bleeding. The blood is dark. During the wound management it was revealed that a vessel in the anterior part of the neck below the hyoid bone was damaged. Identify this vessel:
Correct answer	<i>V. jugularis anterior</i>
B	<i>V. jugularis interna</i>
C	<i>A. carotis externa</i>
D	<i>A. carotis communis</i>
E	<i>V. jugularis externa</i>
№	krok 2014
Topic	circulatory system
Task	A 4-year-old child has purulent inflammation of the middle ear. The pathological process has spread to the artery that borders the anterior wall of the tympanic cavity. What vessel is involved in the pathological process?
Correct answer	<i>A. carotis interna</i>
B	<i>A. carotis externa</i>
C	<i>A. meningea media</i>
D	<i>A. auricularis posterior</i>
E	<i>A. temporalis superficialis</i>

№	krok 2013
Topic	circulatory system
Task	Examination of a teenager revealed a congenital heart disease, namely the functioning of Botallo's duct. In the prenatal period of development this duct connects the following organs:
Correct answer	Pulmonary trunk and aorta
B	Right and left ventricle
C	Aorta and inferior vena cava
D	Right and left atrium
E	Pulmonary trunk and superior vena cava
№	krok 2013
Topic	circulatory system
Task	A patient consulted a doctor about the inflammation of the ethmoid bone cells (ethmoiditis). Examination revealed the disorder of blood supply to the bone. The ethmoidal cells are normally supplied with blood by the branches of the following artery:
Correct answer	<i>A. ophthalmica</i>
B	<i>A. infraorbitalis</i>
C	<i>A. facialis</i>
D	<i>A. cerebri anterior</i>
E	<i>A. transversa faciei</i>
№	krok 2013
Topic	cranial nerves
Task	A 40-year-old male has hearing impairment and paresis of facial muscles resulting from a blow to his head. He was diagnosed with a hematoma of cerebellopontine angle. What nerves had been damaged?
Correct answer	VII, VIII pair of cranial nerves
B	V, VI pairs of cranial nerves
C	VIII, IX pairs of cranial nerves
D	IX, X pair of cranial nerves

№	krok 2013
Topic	circulatory system
Task	A woman consulted a doctor about swelling and tenderness of the lower extremity, swollen veins and nodes on the medial surface of thigh. Which vein was affected?
Correct answer	Great saphenous
B	Small saphenous
C	Femoral
D	Popliteal
E	Tibial
№	krok 2013
Topic	urogenital system
Task	At the recruiting office US examination of a 19-year-old man revealed nephroptosis. Normally the kidneys should be located at the following vertebral level:
Correct answer	XI thoracic and III lumbar
B	IX-X thoracic
C	IV-V lumbar
D	XII thoracic and I lumbar
E	IX-XII thoracic
№	krok 2013
Topic	central nervous system
Task	A tumour pressing upon the vegetative nucleus of a cranial nerve causes saliva secretion by the parotid gland. What nucleus does the tumor press upon?
Correct answer	<i>N.salivatorius inferior</i>
B	<i>N.salivatorius superior</i>
C	<i>N.dorsalis nervi vagi</i>
D	<i>N.intermediolateralis</i>
E	<i>N.accessorius</i>

№	krok 2013
Topic	cranial nerves
Task	Following a cold, a patient developed numbness on the right side of his face. Examination revealed a disturbance of pain and temperature sensitivity on the right side of the face. What nerve is damaged?
Correct answer	Trigeminal
B	Facial
C	Glossopharyngeal
D	Vagus
E	Hypoglossal
№	krok 2013, 2011
Topic	immune system
Task	Children often have laboured nasal breathing which is caused by overdevelopment of lymphoid tissue of the pharyngeal mucous membrane. This phenomenon may cause enlargement of the following tonsils:
Correct answer	<i>Tonsilla pharyngea</i>
B	<i>Tonsilla palatina</i>
C	<i>Tonsilla lingualis</i>
D	<i>Tonsilla tubaria</i>
E	<i>All above-mentioned</i>
№	krok 2013, 2011
Topic	circulatory system
Task	A 26-year-old patient was found to have a big furuncle of soft tissues of face by the root of nose and inferior eyelid. This disease can be seriously complicated by the infection spreading along veins of this region to the sinuses of dura brain mater. What sinus is most likely to be affected?
Correct answer	Cavernous
B	Superior sagittal
C	Occipital
D	Sigmoid

E	Petrosal
№	krok 2013
Topic	digestive system
Task	As a result of an injury the patient is unable to move his tongue forward and downward. Which of the following muscles is damaged?
Correct answer	Genioglossal
B	Stylohyoid
C	Hyoglossal
D	Superior longitudinal
E	Inferior longitudinal
№	krok 2013
Topic	cranial nerves
Task	A patient consulted a doctor about loss of taste at the root of tongue. The doctor established that this was due to a nerve damage. What nerve was damaged?
Correct answer	Glossopharyngeal
B	Vagus
C	Facial
D	Superlaryngeal
E	Trigeminal
№	krok 2013, 2011
Topic	muscles
Task	During manipulations aimed at treatment of mandible dislocation a physician should pay particular attention to a muscle that pulls a capsule and interarticular disc of temporomandibular articulation exteriorly. What muscle is it?
Correct answer	<i>M. pterygoideus lateralis</i>
B	<i>M. masseter</i>
C	<i>M. pterygoideus medialis</i>

D	<i>M. temporalis</i>
E	<i>M. mylohyoideus</i>
№	krok 2013
Topic	circulatory system
Task	After the extraction of the lower first premolar the patient had dentoalveolar haemorrhage. What artery did the bleeding occur from?
Correct answer	Inferior alveolar
B	Mental
C	Transverse facial artery
D	Lingual
E	Buccal
№	krok 2013
Topic	muscles
Task	In course of a surgery the surgeon needs to expose spatium antescalenum. What structure forms the posterior border of this space?
Correct answer	<i>M. scalenus anterior</i>
B	<i>M. scalenus medius</i>
C	<i>M. scalenus posterior</i>
D	<i>M. longus colli</i>
E	<i>M. longus capitis</i>
№	krok 2013
Topic	circulatory system
Task	A patient has been diagnosed with a haemorrhage in the region of the lateral sulcus of the brain. As a result, the blood flow is disturbed in the following artery:
Correct answer	<i>A. cerebri media</i>
B	<i>A. communicans anterior</i>
C	<i>A. cerebri posterior</i>

D	<i>A. cerebri anterior</i>
E	<i>A. communicans posterior</i>
№	krok 2013
Topic	cranial nerves
Task	A patient complains of an increased sensitivity of the posterior third of his tongue as well as of a gustatory disturbance in this region. What nerve is damaged?
Correct answer	Glossopharyngeal
B	Facial
C	Trigeminal
D	Accessory
E	Hypoglossal
№	krok 2013
Topic	muscles
Task	A patient presents with dysfunction of shin muscles. He cannot raise his body by standing on tiptoe. Which muscle is affected?
Correct answer	<i>M. triceps surae</i>
B	<i>M. tibialis posterior</i>
C	<i>M. extensor digitorum longus</i>
D	<i>M. flexor digitorum longus</i>
E	<i>M. tibialis anterior</i>
№	krok 2013
Topic	muscles
Task	When processing a molar tooth with a dental cutter the dentist has by accident deeply wounded the patient's cheek and damaged not only the mucosa but also a muscle. Which muscle was hurt?
Correct answer	Buccal muscle
B	Greater zygomatic muscle
C	Masticatory muscle

D	Orbicular muscle of the mouth
E	Mylohyoid muscle
№	krok 2013
Topic	cranial nerves
Task	A patient visited a dentist for acute dental pain in the lower left canine. He was diagnosed with pulpitis. What nerve innervates this tooth?
Correct answer	Inferior alveolar
B	Superior alveolar
C	Palatal
D	Zygomatic
E	Facial
№	krok 2012, 2011
Topic	circulatory 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, 2011, 2010
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, 2011
Topic	circulatory system
Task	A patient was delivered to a hospital with the fracture of mandible and considerable bleeding in the region of fracture. What artery is likely to be damaged?
Correct answer	Inferior alveolar artery
B	Ascending pharyngeal artery
C	Lingual artery
D	Ascending palatine artery
E	Superior alveolar artery
№	krok 2012
Topic	skull
Task	It is required to anaesthetize the right lower molars. The proper injection site for the conduction anaesthesia is:
Correct answer	The region of the right mandibular foramen
B	The gums to the right of mandible
C	The region of the right mental foramen
D	The region of suborbital foramen
E	The region of the oval foramen
№	krok 2012, 2007
Topic	skull
Task	Trauma of occipital region of head resulted in crack fracture in the region of transverse sinus. What part of occipital bone is damaged?
Correct answer	Squama
B	Left lateral
C	Right lateral

D	Proximal
E	Condyle
№	krok 2012, 2011
Topic	peripheral nervous system
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, 2011
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, 2007
Topic	cranial nerves
Task	A 60-year-old patient has problems with formation and moving of food mass, it disturbs eating process. His tongue is stiff, speaking is impossible. What nerve is damaged?
Correct answer	XII
B	V
C	IX

D	XI
E	VII
№	krok 2012, 2011, 2010
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	urogenital 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, 2011
Topic	central nervous system
Task	A patient presents with the following motor activity disturbances: tremor, ataxia and asynergia movements, dysarthria. The disturbances are most likely to be localized in:
Correct answer	Cerebellum
B	Basal ganglions
C	Limbic system

D	Brainstem
E	Medulla oblongata
№	krok 2012
Topic	circulatory system
Task	A 67-year-old patient ordered a full functional denture. It was necessary to extract his left upper canine. After infraorbital anaesthesia a patient presented with a progressing haematoma in the frontal part of his face. The patient was found to have an injury of an artery which is the branch of:
Correct answer	<i>maxillaris</i>
B	<i>facialis</i>
C	<i>A. temporalis superficialis</i>
D	<i>ophthalmica</i>
E	<i>labialis superior</i>
№	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
Topic	special sense organs
Task	A woman consulted an otolaryngologist about an olfactory disorder. Examination revealed atrophic alterations of regio olfactoria of the nasal cavity mucosa. Where is it located?
Correct answer	In the region of superior nasal meatus
B	In the region of median nasal meatus

C	In the region of inferior nasal meatus
D	In the region of common nasal meatus
№	krok 2012
Topic	respiratory system
Task	A patient consulted an otolaryngologist about voice changes. Examination revealed a tumour within the posterior part of rima vocalis. This part is located between the following cartilages of larynx:
Correct answer	<i>Cartilago arytenoidea</i>
B	<i>Cartilago cricoidea</i>
C	<i>Cartilago thyroidea</i>
D	<i>Cartilago corniculata</i>
E	<i>Cartilago cuneiformis</i>
№	krok 2012, 2011, 2010
Topic	circulatory system
Task	A patient underwent the extraction of his isuperior medial incisor. It is supplied with blood by the branches of the following artery:
Correct answer	<i>A.infraorbitalis</i>
B	<i>A.buccalis</i>
C	<i>A.palatina descendens</i>
D	<i>A.sphenopalatina</i>
E	<i>A.alveolaris inferior</i>
№	krok 2012
Topic	cranial nerves
Task	After a surgery on thyroid gland a patient complains of hoarse voice. What nerve has been damaged during the surgery?
Correct answer	<i>N. laryngeus reccurens</i>
B	<i>N. laryngeus superior</i>
C	<i>N. glossopharyngeus</i>

D	<i>N. hypoglossus</i>
E	<i>N. accessorius</i>
№	krok 2012
Topic	cranial nerves
Task	A patient complains of difficulty in closing of jaws during chewing. He has been found to have atrophy of masticatory muscles. This indicates the dysfunction of the following nerve:
Correct answer	<i>N. trigeminus</i>
B	<i>N. glossopharyngeus</i>
C	<i>N. facialis</i>
D	<i>N. vagus</i>
E	<i>N. ophthalmicus</i>
№	krok 2012
Topic	circulatory system
Task	A patient with a fracture of mandibular angle has been admitted to a hospital. A haematoma in the region of the fracture usually results from the injury of the following artery:
Correct answer	Inferior alveolar
B	Lingual
C	Facial
D	Maxillary
E	Internal carotid
№	krok 2012
Topic	skull
Task	In order to fix dislocated mandible it is necessary to pull it down. What anatomic structure requires this action?
Correct answer	Articulate tubercle of temporal bone
B	Condylar process of mandible
C	Mandibular fossa of temporal bone

D	Mandibular incisure
E	Coronal process of mandible
№	krok 2011, 2010
Topic	circulatory system
Task	A patient has myocardial infarction in the region of the anterior wall of the left ventricle. Circulatory dysfunction occurred in the following vascular basin:
Correct answer	Anterior interventricular branch of the left coronary artery
B	Anterior ventricular branch of the right coronary artery
C	Circumflex branch of the left coronary artery
D	Marginal branch of the left coronary artery
E	Atrioventricular branch of the left coronary artery
№	krok 2011
Topic	peripheral nervous system
Task	A 23-year-old patient complains of increased salivation. Production of large amount of serous saliva is caused by the stimulation of the following vegetative ganglion:
Correct answer	<i>Ganglion oticum</i>
B	<i>Ganglion pterygopalatinum</i>
C	<i>Ganglion ciliare</i>
D	<i>Ganglion submandibulare</i>
E	<i>Ganglion sublinguale</i>
№	krok 2011
Topic	circulatory system
Task	A victim has been delivered to a hospital with an open fracture of mandible ramus and profuse bleeding in the region of fracture. What artery is most likely to be damaged?
Correct answer	Inferior alveolar
B	Median temporal
C	Facial

D	Lingual
E	Ascending palatine
№	krok 2011
Topic	circulatory system
Task	A patient with a tumour of thymus presents with cyanosis, expansion of subcutaneous venous network and soft tissue edema of face, neck, upper trunk and upper extremities. What vein is compressed by the tumour?
Correct answer	Precava
B	Exterior jugular vein
C	Subclavicular vein
D	Interior jugular vein
E	Anterior jugular vein
№	krok 2011
Topic	skull
Task	A victim who had been rescued from under the ruins was found to have confused mental state, multiple subcutaneous haemorrhages on his head and neck, small wound on the face. There was a scalping in the posterosuperior parts of head and a significant deformation of head contours. What bones might have been damaged?
Correct answer	Parietal and occipital bone
B	Sphenoid bone and mandible
C	Frontal and nasal bones
D	Temporal bone and maxilla
E	Malar and lacrimal bones
№	krok 2011
Topic	muscles

Task	A 42-year-old patient came to a first-aid post because of a cut wound in the lower part of the anterior shoulder surface. Objectively: the patient has difficulties with forearm flexion. What muscles are most likely to be damaged?
Correct answer	<i>M.brachialis, m.biceps brachii</i>
B	<i>M.biceps brachii, m.anconeus</i>
C	<i>M.coracobrachialis, m.supraspinatus</i>
D	<i>M.deltoideus, m.infraspinatus</i>
E	<i>M.deltoideus, m.biceps brachii</i>
№	krok 2011
Topic	cranial nerves
Task	A victim has a left-sided comminuted fracture of cheekbone accompanied by loss of skin sensitivity above it. What nerve is damaged?
Correct answer	Zygomaticofacial
B	Infraorbital
C	Pes anserinus minor
D	Facial
E	Buccal
№	krok 2011
Topic	immune system
Task	A 47-year-old female patient was diagnosed with a tumour of the tongue apex. Metastases are likely to spread into the following regional lymph nodes:
Correct answer	Submandibular
B	Parotid
C	Mastoid
D	Occipital
E	Retropharyngeal
№	krok 2011

Topic	skull
Task	A patient has a craniocerebral trauma. X-ray examination revealed a fracture of skull base. The fracture line passes through the spinous and round foramens. What bone is damaged?
Correct answer	Sphenoid
B	Temporal
C	Ethmoid
D	Frontal
E	Occipital
№	krok 2011
Topic	urogenital system
Task	A 60-year-old male patient is unable to urinate after a surgery and needs a catheter installation. When a manipulator is not skilled enough, he can pierce the ureter in its following part (normally it's the most narrow part):
Correct answer	<i>Pars membranacea</i>
B	<i>Ostium uretrae externum</i>
C	<i>Fossa navicularis</i>
D	<i>Pars spongiosa</i>
E	<i>Pars prostatica</i>
№	krok 2011
Topic	muscles
Task	A 30-year-old male patient consulted a dentist about a mastication disorder and pain provoked by pulling the jaw backwards. The dentist diagnosed the patient with an inflammation of one of the masticatory muscles. Which muscle is inflamed?
Correct answer	Temporal (posterior fibers)
B	Lateral pterygopalatine
C	Temporal (anterior fibers)
D	Medial pterygopalatine

E	Masticatory
№	krok 2011
Topic	muscles
Task	After a fall a patient got unable to extend his knee joint. What muscle is likely to be damaged?
Correct answer	Quadriceps
B	Semitendinous
C	Semimembranous
D	Biceps muscle of thigh
E	Triceps muscle of calf
№	krok 2011
Topic	special sense organs
Task	Inflammation of tympanic cavity got complicated by the mastoid bone inflammation. Which wall of the tympanic cavity did the pus penetrate through?
Correct answer	Posterior
B	Anterior
C	Medial
D	Lateral
E	Superior
№	krok 2011
Topic	skeleton
Task	A victim has a trauma resulting from the direct blow to the internal surface of the middle third of shin. What anatomic formation is most likely to be broken?
Correct answer	Tibial shaft
B	Distal epiphysis of fibular bone
C	Distal epiphysis of tibial bone
D	Proximal epiphysis of tibial bone
E	Proximal epiphysis of fibular bone

№	krok 2011
Topic	digestive system
Task	A surgeon concluded that the biggest space for examination and surgical procedures on pancreas can be created by dissection of <i>lig. gastrocolicum</i> . It allows to penetrate into the following space of abdominal cavity:
Correct answer	Omental bursa
B	Right lateral canal
C	Left lateral canal
D	Pregastric bursa
E	Hepatic bursa
№	krok 2011
Topic	digestive system
Task	After a severe trauma of visceral cranium a patient has a deglutition disorder with food getting to the nasopharynx. This is the result of the following muscle's disfunction:
Correct answer	<i>M.levator veli palatini</i>
B	<i>M.palatopharyngeus</i>
C	<i>M.stylopharyngeus</i>
D	<i>M.genioglossus</i>
E	<i>M.palatoglossus</i>
№	krok 2011
Topic	urogenital system
Task	A married couple complains of inability to have children. Examination revealed that the husband had his spermatogenetic epithelium of a testicle damaged, which caused absence of spermatozoons in his sperm and infertility as a result. Which part of testicle was damaged?
Correct answer	Convolutated seminiferous tubules
B	Straight seminiferous tubules
C	Network of testis

D	Epididymis ducts
E	Efferent ducts
№	krok 2011
Topic	central nervous system
Task	During a brain surgery it was noticed that stimulation of certain zones of cerebral cortex caused tactile and thermal sensations in patient. Which zone was being stimulated?
Correct answer	Postcentral gyrus
B	Precentral gyrus
C	Superior lateral gyrus
D	Cingulate gyrus
E	Parahippocampal gyrus
№	krok 2011
Topic	central nervous system
Task	A 70-year-old patient is diagnosed with brainstem haemorrhage. Examination revealed increased tonus of flexor muscles accompanied by decreased tonus of extensor muscles. Such changes in muscle tonus can be explained by the irritation of the following brain structures:
Correct answer	Red nuclei
B	Vestibular nuclei
C	Quadrigeminal plate
D	Black substance
E	Reticular formation
№	krok 2011
Topic	digestive system
Task	A man is eating dry food. Which salivary glands secrete the largest amount of saliva in this case?
Correct answer	Parotid
B	Buccal
C	Submandibular

D	Sublingual
E	Palatine
№	krok 2011, 2010
Topic	cranial nerves
Task	In order to anaesthetize superior incisors an anaesthetic should be injected in the region of the incisive foramen. What nerve is located in this place?
Correct answer	<i>N.nasopalatinus</i>
B	<i>N.pharyngeus</i>
C	<i>N.palatinus major</i>
D	<i>Rr.nasales posteriores inferiores</i>
E	<i>Nn.palatini minores</i>
№	krok 2011
Topic	immune 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 2011
Topic	peripheral nervous system
Task	A patient has a lacrimal gland secretory dysfunction induced by a disorder of its vegetative innervation. Which of the ganglia of vegetative nervous system gives it postganglionic parasympathetic fibers?
Correct answer	Ganglion pterygopalatinum
B	Ganglion ciliare
C	Ganglion oticum

D	Ganglion submandibulare
№	krok 2010
Topic	muscles
Task	As a result of a trauma a patient is unable to extend his cubital articulation. This may be caused by dysfunction of the following muscle:
Correct answer	<i>Musculus triceps brachii</i>
B	<i>Musculus infraspinatus</i>
C	<i>Musculus levator scapule</i>
D	<i>Musculus teres major</i>
E	<i>Musculus subscapularis</i>
№	krok 2010
Topic	circulatory system
Task	What artery may be damaged during the conduction anesthetization in the region of the mandibular foramen?
Correct answer	Inferior alveolar artery
B	Buccal artery
C	Lingual artery
D	Pterygoid branches
E	Median meningeal artery
№	krok 2010
Topic	muscles
Task	A 65-year-old male patient complains about being unable to move his lower jaw in backward direction. It was revealed that after a fall the following muscle was damaged:
Correct answer	Temporal
B	Masticatory
C	Lateral pterygopalatine
D	Medial pterygopalatine

E	Digastric
№	krok 2010
Topic	muscles
Task	A patient has torticollis. Which neck muscle is damaged?
Correct answer	<i>M.sternocleidomastoideus</i>
B	<i>M.omohyoideus</i>
C	<i>M.platysma</i>
D	<i>M.sternohyoideus</i>
E	<i>M.mylohyoideus</i>
№	krok 2010
Topic	endocrine system
Task	Examination of a patient who complains of deglutitive problem revealed a tumour-like eminence 1-2 cm in diameter on the tongue root in the region of the cecal foramen. These are overgrown remnants of the following gland:
Correct answer	Thyroid
B	Parathyroid
C	Adenohypophysis
D	Thymus
E	Sublingual
№	krok 2010
Topic	muscles
Task	A patient complains about having pain during mastication, especially when he moves his jaw forward or sideward. What muscles are damaged?
Correct answer	Lateral pterygoid
B	Medial pterygoid
C	Masticatory
D	Mylohyoid

E	Temporal
№	krok 2010
Topic	circulatory system
Task	While operating on a tumour of abdominal part of ureter a doctor should be aware of an important arterial vessel located in front of it. Which vessel is it?
Correct answer	<i>A.testicularis</i>
B	<i>A.renalis</i>
C	<i>A.ileocolica</i>
D	<i>A.iliaca interna</i>
E	<i>A.iliaca communis</i>
№	krok 2010
Topic	muscles
Task	A boy has fallen down from the tree. Now he finds it difficult to abduct his arm till it takes horizontal position. Which muscle is most probably 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 2010, 2008
Topic	urogenital system
Task	During an operation on a woman it became necessary to ligate her uterine artery. What formation can be accidentally ligated together with this artery?
Correct answer	Ureter
B	Uterine tube
C	Round ligament of uterus
D	Internal iliac vein

E	Urethra
№	krok 2010
Topic	skull
Task	Underdevelopment of which parts of facial skeleton in the embryonal period is the reason for such a malformation as cleft palate?
Correct answer	Palatine processes
B	Frontal processes
C	Frontal and maxillary processes
D	Mandibular processes
E	Mandibular and palatine processes
№	krok 2010
Topic	respiratory system
Task	Children often have labored nasal breathing which is caused by overdevelopment of lymphoid tissue of the pharyngeal mucous membrane. This phenomenon may cause enlargement of the following tonsils:
Correct answer	<i>Tonsilla pharyngea</i>
B	<i>Tonsilla palatina</i>
C	<i>Tonsilla lingualis</i>
D	<i>Tonsilla tubaria</i>
E	<i>All above-mentioned</i>
№	krok 2010
Topic	special sense organs
Task	Examination of a patient with an interbrain injury revealed the hearing impairment. What structures must be damaged?
Correct answer	Medial geniculate bodies of thalamus
B	Lateral geniculate bodies of thalamus
C	Intralaminar nuclei of hypothalamus
D	Frontal nuclei of hypothalamus

E	Medial nuclei of hypothalamus
№	krok 2010, 2008
Topic	circulatory system
Task	It was revealed that a patient with coagulation failure has thrombosis of a branch of inferior mesenteric artery. What bowel segment is affected?
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, 2008
Topic	digestive system
Task	During examination of a child's oral cavity a pediatrician found 8 incisors. The child's development corresponds to his age. How old is the child?
Correct answer	10-12 months
B	6-7 months
C	7-8 months
D	12-15 months
E	16-20 months
№	krok 2010
Topic	digestive system
Task	A patient was admitted to a hospital because of a penetrating wound of mouth floor. Which muscle is injured?
Correct answer	Mylohyoid
B	Thyrohyoid
C	Stylohyoid
D	Omohyoid

E	Sternohyoid
№	krok 2010, 2009
Topic	cranial nerves
Task	A patient has dislocation of his mandible that caused impairment of salivation and gustatory sensitivity of anterior 2/3 of his tongue. What nerve was damaged?
Correct answer	Tympanichord
B	Greater petrosal nerve
C	Lesser petrosal nerve
D	Deep petrosal nerve
E	Sublingual nerve
№	krok 2010
Topic	cranial nerves
Task	A patient complains about pain in his upper jaw and toothache. Objectively: the patient feels pain when pressed in the region of the supraorbital foramen. What nerve is affected?
Correct answer	The second branch of trigeminus
B	The first branch of trigeminus
C	The third branch of trigeminus
D	Trochlear nerve
E	Facial nerve
№	krok 2010, 2009
Topic	respiratory system
Task	A female patient was admitted to the hospital with pleuritis. Which area of pleural cavity contains most exudate?
Correct answer	Costodiaphragmatic recess
B	Phrenicomediastinal recess
C	Costomediastinal recess
D	Under the pleural cupula

E	Under the pulmonary radix
№	krok 2010, 2009
Topic	skull
Task	Examination of nasal cavity revealed deviation of the posterior part of nasal septum. What bone is affected?
Correct answer	Vomer
B	Medial plate of pterygoid process
C	Lateral plate of pterygoid process
D	Perpendicular plate of ethmoid bone
E	Vertical plate of palatine bone
№	krok 2010, 2009
Topic	urogenital system
Task	A male patient underwent an operation on account of inguinal hernia. During the operation a surgeon damaged content of the inguinal canal. What structure was damaged?
Correct answer	<i>Funiculus spermaticus</i>
B	<i>Urachus</i>
C	<i>Lig. teres uteri</i>
D	<i>Lig. inguinale</i>
№	krok 2009
Topic	digestive system
Task	A patient suffering from caries of the left inferior premolar has got a swelling on his neck above the hyoid bone. There appeared fever, salivary discharge, contraction of masticatory muscles, difficult mouth opening. The patient was diagnosed with phlegmon of mouth floor. What muscles will be involved in the process?
Correct answer	Mylohyoid and geniohyoid
B	Digastric and stylohyoid
C	Hyoglossal and styloglossal
D	Platysma and stylohyoid

E	Thyrohyoid and sternoxyoid
№	krok 2009
Topic	muscles
Task	Vagosympathetic Vishnevsky's block involves introduction of novocaine along the posterior edge of sternocleidomastoid muscle above its intersection with exterior jugular vein. The block is performed within the following triangle of neck:
Correct answer	Omotrapezoid
B	Omoclavicular
C	Carotid
D	Pirogoff's
E	Submandibular
№	krok 2009
Topic	circulatory system
Task	A 27 year old patient consulted a doctor about a solid tumour in front of the antilobium. During removal of this tumour a dental surgeon revealed a vein. What vein is localized in this area?
Correct answer	<i>V. retromandibularis</i>
B	<i>V. facialis</i>
C	<i>V. jugularis interna</i>
D	<i>V. jugularis externa</i>
E	<i>V. auricularis posterior</i>
№	krok 2009
Topic	circulatory system
Task	A 24 year old patient consulted a doctor about pain below his lower jaw on the right. Dental surgeon revealed a concrement in the submandibular gland. During its removal he had to prevent bleeding out of the following artery:
Correct answer	<i>A. facialis</i>
B	<i>A. submentalis</i>

C	<i>A. alveolaris inferior</i>
D	<i>A. labialis inferior</i>
E	<i>A. lingualis</i>
№	krok 2009
Topic	muscles
Task	Study of a patient's facial gesture revealed that he couldn't whistle, round his lips; mouth corners didn't rise during laughing, oral fissure stretched sideways (transversal smile). These symptoms indicate the atrophy of the following muscle:
Correct answer	Orbicular muscle of mouth
B	Greater zygomatic muscle
C	Cervical muscle
D	Risorius muscle
E	Masticatory muscle
№	krok 2009
Topic	cranial nerves
Task	A doctor examined a victim of a road accident and revealed damage of the exterior wall of eye socket. The patient has lost ability to abduct the eyeball on the affected side. What nerve might be damaged in this case?
Correct answer	<i>N. abducens</i>
B	<i>N. trochlearis</i>
C	<i>N. oculomotorius</i>
D	<i>N. ophthalmicus</i>
E	<i>N. infraorbitalis</i>
№	krok 2009
Topic	circulatory system
Task	After extraction of the II maxillary molar tooth the patient has got haemorrhage from the alveolar socket. The observed haemorrhage is from the system of the following artery:
Correct answer	Maxillary

B	Inferior alveolar
C	Facial
D	Ascending pharyngeal
E	Mylohyoid
№	krok 2009
Topic	c muscles
Task	A basketball player complains of pain over his heel that is getting stronger during walking. It might be caused by damage of tendon of the following muscle:
Correct answer	<i>m. triceps surae</i>
B	<i>m. tibialis posterior</i>
C	<i>m. flexor digitorum longus</i>
D	<i>m. fibularis longus</i>
E	<i>m. fibularis brevis</i>
№	krok 2009
Topic	peripheral nervous system
Task	A student has accidentally hit his elbow against the edge of the table and sensed burning and tingling on the interior surface of his forearm. What nerve was damaged in this case?
Correct answer	<i>N. ulnaris</i>
B	<i>N. radialis</i>
C	<i>N. medianus</i>
D	<i>N. axillaris</i>
E	<i>N. musculocutaneus</i>
№	krok 2009
Topic	peripheral nervous system
Task	A patient with neck injury was admitted to the hospital. Examination revealed a damaged nerve located anterior to the frontal scalene. What nerve is damaged?
Correct answer	Phrenic

B	Vagus
C	Glossopharyngeal
D	Sublingual
E	Cervical part of sympathetic trunk
№	krok 2009
Topic	skeleton
Task	After a road accident a driver has got deformity in the middle third of his left shin and intense pain, especially when he tries to move his left shin. The ends of a trihedral bone stick out of a wound, there is great blood loss. What bone might be damaged?
Correct answer	Tibia
B	Fibula
C	Femur
D	Patella
E	Astragalus
№	krok 2009
Topic	endocrine system
Task	A patient with disfunction of external respiration has to undergo tracheotomy. The isthmus of thyroid gland is commonly situated on a level with the following tracheal rings:
Correct answer	II- IV
B	III-IV
C	I-II
D	IV-V
E	V-VI
№	krok 2009
Topic	circulatory system
Task	Pathological process of purulent barotitis involves an artery on the anterior wall of tympanic cavity. What artery is it?

Correct answer	<i>carotis interna</i>
B	<i>carotis externa</i>
C	<i>meningea media</i>
D	<i>auricularis posterior</i>
E	<i>A. temporalis superficialis</i>
№	krok 2009
Topic	cranial nerves
Task	A 38 year old patient complained that after acute respiratory viral disease she had lost sensation of food contact with the front 2/3 of her tongue as well as pain and temperature sensation (burned her tongue with hot tea). Which nerve and which branch of it was damaged?
Correct answer	Lingual nerve of mandibular branch of trigeminus
B	Lingual branches of glossopharyngeal nerve
C	Lingual nerves of sublingual nerve
D	Tympanichord of facial nerve
E	Superior laryngeal nerve of vagus
№	krok 2009
Topic	central nervous system
Task	During a neurosurgical operation the occipital areas of cerebral cortex are stimulated. What sensations will the patient have?
Correct answer	Visual
B	Tactile
C	Auditory
D	Olfactory
E	Gustatory
№	krok 2009
Topic	digestive system

Task	A patient complained about ear noise and pain sensations. Objectively: the patient has acute respiratory disease, rhinitis. The infection penetrated into the tympanic cavity through the following opening of the pharynx:
Correct answer	Pharyngeal opening of auditory tube
B	Tympanic opening of auditory tube
C	Choanae
D	Fauces
E	Aperture of larynx
№	krok 2009
Topic	skull
Task	Roentgenological examination of a patient revealed a deformity of the inferior wall of the right eye socket. What paranasal sinus was most probably damaged?
Correct answer	Right maxillary sinus
B	Sphenoidal sinus
C	Frontal sinus
D	Right ethmoidal labyrinth
E	Left ethmoidal labyrinth
№	krok 2009
Topic	immune system
Task	During examination a dentist revealed cervical caries of right inferior incisors as well as enlargement of a certain group of lymph nodes. What lymph nodes are enlarged?
Correct answer	Submental
B	Occipital
C	Superficial cervical
D	Deep cervical
E	Facial
№	krok 2009

Topic	circulatory system
Task	A patient with fracture of the greater wing of sphenoid bone was admitted to the craniocerebral department. The fracture line went through the spinous foramen. What vessel was damaged?
Correct answer	Middle meningeal artery
B	Superficial artery
C	Lateral pterygoid artery
D	Anterior deep temporal artery
E	Posterior deep temporal artery
№	krok 2009
Topic	digestive system
Task	During examination of a child's oral cavity a pediatrician established presence of inferior medial incisors. The child's development is normal. How old is the child?
Correct answer	6-7 months
B	8-9 months
C	10-12 months
D	13-14 months
№	krok 2009
Topic	digestive system
Task	Endoscopic examination of duodenum revealed a tumour of the major papilla. This pathological formation is localized in the following part of duodenum:
Correct answer	Descending part
B	Superior part
C	Horizontal part
D	Ascending part
E	Superior flexure
№	krok 2009
Topic	digestive system

Task	A patient underwent extraction of a tooth with oval crown and two tubercles on its masticatory surface. Its root is strongly flattened in mesiodistal direction, its apex is bifurcated. What tooth was extracted?
Correct answer	First superior premolar
B	First inferior premolar
C	Canine
D	Second superior premolar
E	Second inferior premolar
№	krok 2009
Topic	cranial nerves
Task	As a result of a trauma a patient has got disfunction of lachrymal gland. What nerve is responsible for its secretion?
Correct answer	<i>N. petrosus major</i>
B	<i>N. petrosus minor</i>
C	<i>Chorda tympany</i>
D	<i>N. auricularis magnus</i>
E	<i>N. occipitalis minor</i>
№	krok 2009
Topic	cranial nerves
Task	A patient with a tumour in the area of superior tubercles of quadrigeminal plate has lost pupillary reflex. This is most probably caused by dysfunction of the following nucleus of cranial nerves:
Correct answer	Accessory nucleus of oculomotor nerve
B	Motor nucleus of oculomotor nerve
C	Motor nucleus of abducent nerve
D	Motor nucleus of trochlear nerve
E	Motor nucleus of accessory nerve
№	krok 2009
Topic	digestive system

Task	During examination of a patient a dentist revealed carious cavities on the front teeth that don't have accessory antagonists. What teeth are meant?
Correct answer	Inferior medial incisors
B	Inferior lateral incisors
C	Superior lateral incisors
D	Superior medial incisors
E	Superior canines
№	krok 2008
Topic	circulatory system
Task	Approach to the thyroid gland from the transversal (collar-like) access requires opening of cellular suprasternal space. It is dangerous to damage the following anatomic formation in this space:
Correct answer	Venous jugular arch
B	Lymph nodes
C	Carotid
D	Subclavicular artery
E	Internal jugular vein
№	krok 2008
Topic	skull
Task	A 28 y.o. patient was diagnosed with acute inflammation of mucous membrane of nasolacrimal duct. It is known from his anamnesis that he was having nasal discharges for 10 days after he had recovered from flu. From which part of nasal cavity could the infection have penetrated into the nasolacrimal duct?
Correct answer	Inferior nasal meatus
B	Medial nasal meatus
C	Superior nasal meatus
D	Vestibule of nose
E	Frontal sinus
№	krok 2008

Topic	cranial nerves
Task	A patient has a right-sided fracture and a hemorrhage (haematoma) in the area of anterior third of his lower jaw, loss of skin sensitivity in the area of his chin. What nerve was damaged?
Correct answer	Mental nerve
B	Mylohyoid nerves
C	Inerior alveolar nerve
D	Buccal nerve
E	Superior alveolar nerves
№	krok 2008
Topic	cranial nerves
Task	During lancing of deep abscess of a cheek a vertical section was performed. It resulted in paresis (dysfunction) of muscles on the side of operation. There were cut the branches of the following nerve:
Correct answer	Facial
B	Maxillary
C	Mandibular
D	Vagus
E	Sublingual
№	krok 2008
Topic	skull
Task	A patient has a trauma of his upper jaw with an injury of supraorbital foramen. What jaw surface was damaged?
Correct answer	Anterior
B	Nasal
C	Orbital
D	Subtemporal
№	krok 2008
Topic	circulatory system

Task	A surgeon is going to take lymph from a patient's thoracic duct, from where it flows into the venous stream. Where should he insert a catheter into?
Correct answer	Left venous angle
B	Right venous angle
C	Site of postcava origination
D	Site of precava origination
E	Site of portal vein origination
№	krok 2008
Topic	peripheral nervous system
Task	After a patient recovered from a cold he got disturbed lacrimation. What vegetative ganglion was damaged most of all?
Correct answer	Pterygopalatine
B	Aural
C	Ciliated
D	Submandibular
E	Sublingual
№	krok 2008
Topic	cranial nerves
Task	A patient has a disturbed function of masticatory muscles. What nerve is damaged?
Correct answer	Mandibular
B	Lingual
C	Auriculotemporal
D	Buccal
E	Maxillary
№	krok 2008
Topic	muscles

Task	As a result of road accident a driver got multiple injuries of lateral surface of his head including the malar arch fracture. What muscle's function will be damaged?
Correct answer	<i>M. masseter</i>
B	<i>M. orbicularis oris</i>
C	<i>M. buccinator</i>
D	<i>M. procerus</i>
E	<i>M. risorius</i>
№	krok 2008
Topic	skeleton
Task	A patient had a trauma that resulted in a fracture in the external inferior third of his right crus. What bone was broken?
Correct answer	Fibular
B	Tibial
C	Femoral
D	Astragaloid
E	Calcaneal
№	krok 2008
Topic	special sense organs
Task	As a result of punctate retinal hemorrhage a patient lost ability to see objects in the centre of visual field. In what part of retina did the hemorrhage take place?
Correct answer	Yellow spot
B	Ciliary part of retina
C	Iris
D	Blind spot
E	Vascular membrane
№	krok 2008
Topic	central nervous system

Task	A patient had a cranial trauma that resulted in sight loss. What area of cerebral cortex was damaged?
Correct answer	Occipital
B	Frontal
C	Parietal
D	Temporal
E	Parietal and temporal
№	krok 2008
Topic	central nervous system
Task	Deglutition of a patient is disturbed as a result of a trauma. The most probable cause of this disturbance is affection of the following part of CNS:
Correct answer	Medulla oblongata
B	Spinal cord , Th II-IV
C	Spinal cord, C V-VI
D	Mesencephalon
E	Hypothalamus
№	krok 2008
Topic	peripheral nervous system
Task	A patient was delivered to the hospital with neck injury. Examination revealed a damaged nerve located in the front part of anterior scalene muscle. What nerve is damaged?
Correct answer	Diaphragmatic
B	Vagus
C	Glossopharyngeal
D	Sublingual
E	Cervical part of sympathetic trunk
№	krok 2008
Topic	cranial nerves

Task	A patient consulted a doctor about high pain sensitivity of skin behind his auricle and external acoustic meatus. Palpation behind the sternocleidomastoid muscle is painful. It can be caused by irritation of the following nerve:
Correct answer	<i>N. auricularis magnus</i>
B	<i>N. transversus colli</i>
C	<i>N. occipitalis minor</i>
D	<i>Nn. supraclaviculares</i>
E	<i>N. vagus</i>
№	krok 2008
Topic	cranial nerves
Task	A 38 y.o. patient applied to a hospital and complained that she had lost sensation of food touching anterior 2/3 of her tongue as well as pain and temperature sensation (burned her tongue with hot tea) after an acute viral respiratory disease. It is caused by the damage of the following nerve branch:
Correct answer	Lingual nerve of a mandibular branch of a trifacial nerve
B	Lingual branches of a glossopharyngeal nerve
C	Lingual nerves of a sublingual nerve
D	Tympanichord of a facial nerve
E	Superior laryngeal nerve of a vagus
№	krok 2008
Topic	circulatory system
Task	A patient with hemorrhage from the lacerated wound in the angle of his mouth was delivered to the accident ward. What artery was injured?
Correct answer	Facial
B	Maxillary
C	Lingual
D	Anterior superalveolar
E	Suborbital

№	krok 2008
Topic	digestive system
Task	A patient applied to a doctor with complaints about noise and painful sensations in his ear. Objectively: a patient is ill with acute respiratory disease, rhinitis. The infection that caused inflammation of tympanic cavity could have penetrated into it through the following pharynx opening:
Correct answer	Pharyngeal opening of auditory tube
B	Tympanic opening of auditory tube
C	Choanae
D	Fauces
E	Aperture of larynx
№	krok 2008
Topic	skull
Task	A patient was admitted to a hospital because of risk of inflammation spread from the occipital area to the cranial cavity. What anatomical formation can the inflammation spread through?
Correct answer	Condylar canal
B	Parietal foramen
C	Round foramen
D	Spinous foramen
E	Oval foramen
№	krok 2008
Topic	cranial nerves
Task	A 40 y.o. patient had a maxillofacial trauma that resulted in disturbed function of sublingual and submaxillary glands on the left - the glands began to produce some viscous saliva. What nerve's function is disturbed?
Correct answer	Facial
B	Sublingual
C	Glossopharyngeal

D	Trifacial
E	Vagus
№	krok 2008
Topic	digestive system
Task	During examination of a child's oral cavity a pediatrician found 8 incisors. The child's development corresponds to his age. How old is the child?
Correct answer	10-12 months
B	6-7 months
C	7-8 months
D	12-15 months
E	16-20 months
№	krok 2008
Topic	circulatory system
Task	A patient has arterial hemorrhage from the cut wound in the area of anterior part of mastication muscle. What vessel should be ligated?
Correct answer	<i>A. facialis</i>
B	<i>A. maxillaris</i>
C	<i>Aa. labiales inferiores</i>
D	<i>A. mentalis</i>
E	<i>A. lingualis</i>
№	krok 2008
Topic	urogenital system
Task	A patient consulted a doctor about difficulties with urinary excretion. Examination revealed hypertrophy of an organ that encloses proximal part of urethra. What organ is it?
Correct answer	Prostate
B	Bulbourethral gland
C	Bulb of penis

D	Epididymis
E	Seminal vesicles
№	krok 2008
Topic	respiratory system
Task	Examination of a child revealed growth of a pharyngeal tonsil causing the obstructed air escape from nasal cavity. What openings of nasal cavity are blocked in this case?
Correct answer	Choanae
B	Nostrils
C	Piriform
D	Pterygopalatine
E	Maxillary sinus
№	krok 2008
Topic	digestive system
Task	A patient was diagnosed with a radicular cyst that had invaded nasal cavity. What tooth is most probably affected?
Correct answer	Superior medial incisor
B	Superior canine
C	Superior lateral incisor
D	First superior bicuspid
E	First superior molar
№	krok 2008
Topic	digestive system
Task	A dentist revealed a shallow cavity with damaged enamel between two central superior incisors. He diagnosed a patient with caries. On what surface of tooth crown will the dentist fill the tooth?
Correct answer	<i>Facies contactus mesialis</i>
B	<i>Facies lingualis</i>
C	<i>Facies occlusialis</i>

D	<i>Facies labialis</i>
E	<i>Facies contactus distalis</i>
№	krok 2008
Topic	circulatory system
Task	A patient has myocardium infarction of the posterior wall of the right ventricle. What artery's branches are thrombosed?
Correct answer	Right coronary artery
B	Left coronary artery
C	Left and right coronary artery
D	Right subclavicular artery
E	Left subclavicular artery
№	krok 2008
Topic	muscles
Task	During an operation on account of mandibular dislocation a doctor should consider effect of a certain muscle. Its posterior fascicles draw back protruding lower jaw. What muscle is meant?
Correct answer	<i>M. temporalis</i>
B	<i>M. masseter</i>
C	<i>M. pterygoideus medialis</i>
D	<i>M. pterygoideus lateralis</i>
E	<i>M. mylohyoideus</i>
№	krok 2008
Topic	peripheral nervous system
Task	Examination of a patient revealed change of secretory function of a parotid gland. It is connected with disturbance of its vegetative innervation. What ganglion of vegetative nervous system gives postganglionic parasympathetic fibers for it?
Correct answer	<i>Ganglion oticum</i>
B	<i>Ganglion ciliare</i>

C	<i>Ganglion pterygopalatinum</i>
D	<i>Ganglion submandibulare</i>
E	<i>Ganglion sublinguale</i>
№	krok 2008
Topic	cranial nerves
Task	A doctor needs to anaesthetize the anterior part of mucous membrane of hard palate. What nerves should he block?
Correct answer	Nasopalatine nerves
B	Inferior alveolar nerves
C	Zygomatic nerves
D	Pharyngeal nerves
E	Suborbital nerves
№	krok 2007
Topic	circulatory system
Task	To approach the thyroid gland from the transverse (collar) approach the suprasternal fascial space must be opened. What anatomical formation located in this space is dangerous to damage?
Correct answer	Venous jugular arch
B	Lymph nodes
C	Carotid artery
D	Subclavian artery
E	Internal jugular vein
№	krok 2007
Topic	circulatory system
Task	A 24 year old patient consulted a doctor about pain below the lower jaw to the right of it. Dental surgeon found a stone in the submandibular gland. While removing it he prevented bleeding from the following artery:
Correct answer	<i>A.f acialis</i>

B	<i>A.submentalis</i>
C	<i>A.alveolaris inferior</i>
D	<i>A.labialis inferior</i>
E	<i>A.lingualis</i>
№	krok 2007
Topic	circulatory system
Task	A 28 year old man with cut wound of frontal skin was admitted to the hospital. A vessel that supplies blood to the frontal part of head was ligated in order to stop bleeding. What vessel was ligated?
Correct answer	<i>A.supraorbitalis</i>
B	<i>A.inf raorbitalis</i>
C	<i>A.angularis</i>
D	<i>A.dorsalis nasi</i>
E	<i>A.temporalis superficialis</i>
№	krok 2007
Topic	respiratory system
Task	A patient complains of headache, heavy breathing. X-ray examination confirmed the diagnosis - frontitis. What nasal meatus may contain purulent discharge?
Correct answer	Middle
B	Superior
C	Inferior
D	Common
E	Above the superior nasal concha
№	krok 2007
Topic	respiratory system
Task	A 28 year old patient was diagnosed with acute inflammation of mucous membrane of nasolacrimal duct. It is known from the anamnesis that he had been having nasal discharges for 10 days after recovering from influenza. From what part of nasal cavity could the infection penetrate into nasolacrimal duct?

Correct answer	Inferior nasal meatus
B	Middle nasal meatus
C	Superior nasal meatus
D	Vestibule of nose
E	Frontal sinus
№	krok 2007
Topic	skull
Task	An eye trauma caused soft tissues infection of eyesocket. Through what anatomical formation can the infection penetrate into the middle cranial fossa?
Correct answer	Through the superior orbital fissure
B	Through the anterior ethmoidal foramen
C	Through the posterior ethmoidal foramen
D	Through the inferior orbital fissure
E	Through the zygomatic orbital foramen
№	krok 2007
Topic	cranial nerves
Task	When a patient puts his tongue out the tip of it deflects to the left. Motor innervation of what cranial nerve is disturbed in this case?
Correct answer	<i>N.hypoglossus dexter</i>
B	<i>N.glossopharyngeus dexter</i>
C	<i>N.vagus dexter</i>
D	<i>N.trigeminus sinister</i>
E	<i>N.facialis sinister</i>
№	krok 2007
Topic	digestive system
Task	A mother consulted the doctor about her one year old child, who has got six teeth come out. How many teeth should the child of such age have?

Correct answer		8
B		10
C		7
D		12
E		6
№	krok 2007	
Topic	circulatory system	
Task	A surgeon is going to take lymph from patient's thoracic duct in the point of its flowing into venous channel. Where exactly a cannula should be inserted?	
Correct answer	Left venous angle	
B	Right venous angle	
C	Point of formation of inferior vena cava	
D	Point of formation of superior vena cava	
E	Point of formation of portal vein	
№	krok 2007	
Topic	skull	
Task	A 69 year old patient has got an abscess of frontal lobe as a result of purulent infection in nasal cavity. What anatomical formation did the infection penetrate through?	
Correct answer	<i>F oraminae cribrosae</i>	
B	<i>F oramen ovale</i>	
C	<i>F oramen ethmoidalae posterior</i>	
D	<i>F oramen sphenopalatinum</i>	
E	<i>F oramen rotundum</i>	
№	krok 2007	
Topic	muscles	
Task	A patient displays abnormal retrodeviation of his lower jaw as a result of trauma in the region of mandibular coronal process. What muscle is most likely to be damaged?	

Correct answer	<i>M.temporalis</i>
B	<i>M.masseter</i>
C	<i>M.pterygoideus lateralis</i>
D	<i>M.pterygoideus medialis</i>
E	<i>M.levator anguli oris</i>
№	krok 2007
Topic	cranial nerves
Task	A patient has disorder of tear flow after a cold. What autonomic ganglion had been most damaged?
Correct answer	Pterygopalatine
B	Aural
C	Ciliated
D	Submandibular
E	Sublingual
№	krok 2007
Topic	urogenital system
Task	A 58 year old woman had her uterus and all appendages completely removed. It resulted in stoppage of urine excretion. Cystoscopy results: bladder doesn't contain any urine, urine doesn't come also from ureteric orifices. What part of urinary excretion system was damaged during the operation?
Correct answer	<i>U reter</i>
B	<i>U retra</i>
C	<i>V esica urinaria</i>
D	<i>P elvis renalis</i>
E	<i>Ren</i>
№	krok 2007
Topic	cranial nerves
Task	A patient suffers from middle ear inflammation (otitis). He complains also of disordered test sensation in the anterior tongue part. What nerve is damaged?

Correct answer	<i>N.facialis</i>
B	<i>N.trigeminus</i>
C	<i>N.vestibulo – cochlearis</i>
D	<i>N.vagus</i>
E	<i>N.glossopharyngeus</i>
№	krok 2007
Topic	digestive system
Task	A surgeon should reach the omental bursa to perform an operation on abdominal cavity. How can he reach this part of peritoneal cavity without affecting the integrity of lesser omentum?
Correct answer	Through the epiploic foramen
B	Through the right paracolic sulcus
C	Through the left paracolic sulcus
D	Through the right mesenteric sinus
E	Through the left mesenteric sinus
№	krok 2007
Topic	muscles
Task	A 5 year old child suffers from the neck deformity. Clinical examination revealed such symptoms: apparent flexion of head to the left, his face is turned right, passive movements of the head to the right are restricted. What muscle's development was disturbed in this case?
Correct answer	Sternocleidomastoid
B	Trapezius
C	Splenius muscle of head
D	Sternosublingual
E	Long muscle of head
№	krok 2007
Topic	cranial nerves

Task	A patient has difficulties with jaw joining when he is chewing. There is partial atrophy of masticatory muscles situated below the zygomatic arch. What nerve branches do these muscles innervate?
Correct answer	<i>N.mandibularis</i>
B	<i>N.maxillaris</i>
C	<i>N.alveolaris inferior</i>
D	<i>N n.alveolares superiores</i>
E	<i>N.inf raorbitalis</i>
№	krok 2007
Topic	joints
Task	A boxer who got a punch in the region of temporomandibular joint has a traumatic dislocation of mandible. Displacement of what articular surfaces will overstep the limits of physiological norm?
Correct answer	Head of mandible and mandibular fossa
B	Coronoid process and pterygoid fossa
C	Coronoid process and submandibular fossa
D	Head of mandible and submandibular fossa
E	Neck of mandible and submandibular fossa
№	krok 2007
Topic	circulatory system
Task	A patient's middle ear inflammation was complicated by mastoiditis. There was a threat of purulent thrombosis of the nearest venous sinus. What sinus was under the threat?
Correct answer	Sigmoid
B	Inferior petrosal
C	Superior saggital
D	Transverse
E	Rectus
№	krok 2007
Topic	circulatory system

Task	On examination of a road accident victim a doctor revealed left clavicle fracture and disturbed blood circulation in an extremity (no pulsing of radial artery). What cause of blood circulation disturbance is the most probable?
Correct answer	Compression of subclavian artery
B	Compression of axillary artery
C	Compression of subclavian vein
D	Compression of vertebral artery
E	Compression of axillary vein
№	krok 2007
Topic	circulatory system
Task	A woman in grave condition was admitted to a hospital with the diagnosis of the hemorrhagic stroke in the region of frontal part of the right cerebral hemisphere. The damage of what artery most likely caused this condition?
Correct answer	<i>A. cerebri anterior</i>
B	<i>A. cerebri posterior</i>
C	<i>A. communicans anterior</i>
D	<i>A. cerebri media</i>
E	<i>A. communicans posterior</i>
№	krok 2007
Topic	circulatory system
Task	A 17 year old student pressed out a pustule in the medial angle of eye. In 2 days she was taken to the institute of neurosurgery with thrombosis of cavernous sinus. Through what vein did the infection get into this sinus?
Correct answer	<i>V. angularis</i>
B	<i>V. maxillaris</i>
C	<i>V. profunda faciei</i>
D	<i>V. transversa faciei</i>

E	<i>V.diploicae frontalis</i>
№	krok 2007
Topic	digestive system
Task	A 35 year old patient came to the admission department with complaints of pain and edema in the region of floor of oral cavity. After examination he was diagnosed with inflammation in the region of excretory duct of submandibular gland. Where does this duct open into?
Correct answer	<i>Caruncula sublingualis</i>
B	<i>V estibulum oris</i>
C	<i>F oramen caecum linguae</i>
D	<i>P lica f imbriata</i>
E	<i>Recessus gingivalis</i>
№	krok 2007
Topic	digestive system
Task	A child damaged the lateral surface of his tongue. What lingual papillas are most likely to be damaged?
Correct answer	Foliate
B	Conic
C	Vallate
D	Filiform
E	Fungiform
№	krok 2007
Topic	cranial nerves
Task	In the course of an experiment a nerve is being stimulated by electric impulses. It leads to excretion of some quantity of thick viscous saliva by sublingual and submandibular glands. What nerve is being stimulated?
Correct answer	<i>N.sympathicus</i>
B	<i>N.glossopharyngeus</i>
C	<i>N.f acialis</i>
D	<i>N.trigeminus</i>

E	<i>N.vagus</i>
№	krok 2007
Topic	central nervous system
Task	A patient complains of rapid fatigability. Objectively: he staggers and overbalances in the upright position with closed eyes. Skeleton muscular tonus is decreased. What brain structure is most likely to be damaged?
Correct answer	Cerebellum
B	Thalamus
C	Hypothalamus
D	Precentral gyrus of cerebrum cortex
E	Basal ganglions
№	krok 2007
Topic	special sence organs
Task	A 3 year old child was admitted to the hospital with otitis. Pus is probable to spread from the tympanic cavity. Where can the pus get into?
Correct answer	Into mastoid antrum
B	Into internal ear
C	Into auditory tube
D	Into external acoustic duct
E	Into posterior cranial fossa
№	krok 2007
Topic	digestive system
Task	A patient had his tooth extracted. The lingual surface of this tooth was smaller than the buccal one. Masticatoty surface has oval form. Deep transverse sulcus separates buccal and lingual tubercles. The root is strongly compressed in mesiodistal direction and has longitudinal sulci on its aproximal surfaces, it is bifurcated. What tooth was extracted?
Correct answer	First upper premolar
B	Upper canine

C	Lower canine
D	First lower premolar
E	Second upper premolar
№	krok 2018
Topic	External and internal male organs of generation
Task	A patient complains of urine excretion that occurs during sexual intercourse. What organ is affected?
Correct answer	Prostate
B	Testicle
C	Seminal vesicles
D	Epididymis
E	Urinary bladder
№	krok 2018
Topic	Tongue, glands of mouth cavity
Task	After facial trauma the patient developed a buccal hematoma. What salivatory gland has its outflow blocked by the hematoma?
Correct answer	Parotid
B	Sublingual
C	Submandibular
D	Lingual
E	Buccal
№	krok 2018
Topic	Muscles of the face
Task	A woman complains of painful chewing, especially when she moves her lower jaw backwards. What muscles are affected?
Correct answer	Posterior bundles of the temporal muscles
B	Anterior bundles of the temporal muscles
C	Medial pterygoid muscles

D	Lateral pterygoid muscles
E	Masseter muscles
№	krok 2018
Topic	Muscles of the face
Task	A patient complains of painful chewing, especially when his lower jaw moves forward and to the side. It indicates functional disorder of the following muscles:
Correct answer	Lateral pterygoid muscles
B	Medial pterygoid muscles
C	Masseter muscles
D	Mylohyoid muscles
E	Temporal muscles
№	krok 2018
Topic	Cranial nerves
Task	A patient consulted a doctor about an increased pain sensitivity of the ear skin and ear canal. Palpation behind the sternocleidomastoid muscle was painful. Such clinical presentations are typical of the irritation of the following nerve:
Correct answer	N. auricularis magnus
B	N. occipitalis minor
C	Nn. supraclaviculares
D	N. vagus
E	N. transversus colli
№	krok 2018
Topic	The organ of vision
Task	Due to sustained trauma the patient presents with unevenly dilated pupils (anisocoria). What muscle is blocked?
Correct answer	Musculus sphincter pupillae
B	Musculus ciliaris

C	Musculus rectus lateralis
D	Musculus rectus superior
E	Musculus rectus inferior
№	krok 2018
Topic	Cranial nerves
Task	A 45-year-old man came to the hospital complaining of sensory loss in the posterior 1/3 of his tongue. Which pair of the cranial nerves is functionally disturbed?
Correct answer	IX
B	X
C	VIII
D	V
E	XII
№	krok 2018
Topic	The spinal cord
Task	To take a sample of cerebrospinal fluid for analysis, a doctor makes a puncture into subarachnoid space. To prevent damage to the spinal cord, the needle must be inserted between the two following vertebrae:
Correct answer	III and IV lumbar
B	XI and XII thoracic
C	XII thoracic and I lumbar
D	I and II lumbar
E	IV and V thoracic
№	krok 2018
Topic	Connections of the foot bones
Task	A surgeon must amputate the damaged part of the patient's foot along the line of Lisfranc joint. What ligament must be cut in this case?
Correct answer	Medial interosseous tarsometatarsal ligament
B	Calcaneonavicular ligament

C	Bifurcated ligament
D	Talocalcaneal ligament
E	Talonavicular ligament
№	krok 2018
Topic	Teeth
Task	During examination of a child's oral cavity a dentist noted the appearance of the first permanent molars on the child's lower jaw. How old is the child?
Correct answer	6-7.
B	4-5.
C	8-9.
D	10-11.
E	12-13.
№	krok 2018
Topic	Muscles of the shoulder
Task	A patient came to the traumatologist with complaints of developing difficulties during active extension of elbow. What muscle is the most likely to be damaged?
Correct answer	M. triceps brachii
B	M. pectoralis minor
C	M. deltoideus
D	M. coracobrachialis
E	M. latissimus dorsi
№	krok 2018
Topic	The heart
Task	During examination the doctor performs auscultation to assess the functioning of the patient's mitral valve. Where can the sound of this valve be auscultated?
Correct answer	At the apex of the heart
B	At the edge of the sternum over the 5th costal cartilage on the right

C	At the edge of the sternum in the 2nd intercostal space on the left
D	At the edge of the sternum in the 2nd intercostal space on the right
E	At the edge of the sternum over the 5th costal cartilage on the left
№	krok 2018
Topic	Tongue, glands of mouth cavity
Task	Oral examination reveals marked reddening of mucosa at the root of the tongue. What structure is involved in the inflammatory process?
Correct answer	Lingual tonsil
B	Palatine tonsil
C	Tonsil of torus tubaris
D	Veil of palate
E	Pharyngeal tonsil
№	krok 2018
Topic	External carotid artery
Task	A trauma patient has wound in the temporal region, with trickle of bright-red blood streaming from it. What blood vessel is damaged?
Correct answer	A. temporalis superficialis
B	A. facialis
C	A. occipitalis
D	A. auricularis posterior
E	A. maxillaris
№	krok 2018
Topic	Sympathetic trunk
Task	A victim of a traffic accident has lost thoracic respiration but retains diaphragmal. The spinal cord is most likely to be damaged at:
Correct answer	VI-VII cervical segments
B	I-II cervical segments

C	XI-XII cervical segments
D	I-II lumbar segments
E	I-II sacral segments
№	krok 2018
Topic	Cranial nerves
Task	A man has developed downturning mouth and smoothed out nasolabial fold due to influenza complication. What nerve is damaged?
Correct answer	Facial nerve
B	Maxillary nerve
C	Mandibular nerve
D	Trochlear nerve
E	Oculomotor nerve
№	krok 2018
Topic	Muscles of the neck
Task	A patient with electrical injury to the neck area developed pathologic fixed sideways flexion of the head towards the injured area, while the face is fixed away from the injury. What neck muscle sustained scarring?
Correct answer	Sternocleidomastoid muscle
B	Anterior scalene muscle
C	Trapezius muscle
D	Omohyoid muscle
E	Digastric muscle
№	krok 2018
Topic	
Task	A patient with knife wound of the neck presents with hemorrhage. Initial wound management revealed damage to the vessel that is located along the lateral edge of the sternocleidomastoid muscle. Name this vessel:
Correct answer	V. jugularis externa

B	V. jugularis anterior
C	A. carotis externa
D	A. carotis interna
E	V. jugularis interna
№	krok 2018
Topic	External carotid artery
Task	A patient has suffered a head injury. On examination there is a subcutaneous hematoma in the temporal area. What vessel was damaged, thus resulting in the hematoma development?
Correct answer	A. temporalis superficialis
B	A. maxillaris
C	A. auricularis posterior
D	A. buccalis
E	A. occipitalis
№	krok 2018
Topic	The heart
Task	Auscultation reveals that in the patient's II intercostal space along the parasternal line on the right the II heart sound is better heard than the I heart sound. What valve produces this sound when closing?
Correct answer	Semilunar aortic valve
B	Semilunar pulmonary valve
C	Bicuspid valve
D	Tricuspid valve
E	Bicuspid and tricuspid valves
№	krok 2018
Topic	Cranial nerves
Task	Examination revealed the patient to have decreased secretory function of the nasal cavity glands. What nerve provides parasympathetic innervation of these glands?
Correct answer	N. petrosus major

B	N. petrosus profundus
C	N. petrosus minor
D	N. Maxillaris
E	N. chorda tympani
№	krok 2018
Topic	Localization of functions in a cortex
Task	During a brain surgery stimulation of the cerebral cortex resulted in tactile and thermal sensations in the patient. What gyrus was stimulated?
Correct answer	Postcentral gyrus
B	Cingulate convolution
C	Parahippocampal gyrus
D	Superior temporal gyrus
E	Precentral gyrus
№	krok 2018
Topic	External carotid artery
Task	A child presents with a wound behind the mastoid bone. Bright red blood streams from the wound. Damage was sustained to the branches of the following artery:
Correct answer	A. occipitalis
B	A. temporalis superior
C	A. maxillaris
D	A. carotis externa
E	A. carotis interna
№	krok 2018
Topic	Vessels and nerves of the brain
Task	A man presents with suppurative wound in the area of mastoid bone, which resulted in development of cerebral meningitis in the patient. Specify the way of infection penetration into the patient's cranial cavity:
Correct answer	V. emissariae mastoidea

B	V. auricularis
C	V.v. tympanicae
D	V. facialis
E	V.v. labirinthi
№	krok 2018
Topic	The bones of the fashial skull
Task	A patient is diagnosed with deformed posterior portion of the nasal septum. What bone is deformed?
Correct answer	Vomer
B	Medial pterygoid plate
C	Lateral pterygoid plate
D	Perpendicular plate of ethmoid bone
E	Vertical plate of palatine bone
№	krok 2018
Topic	Vesseles and nerves of the brain
Task	A patient suffers from disturbed blood supply of superior lateral surface of the cerebral hemispheres. What blood vessel is damaged?
Correct answer	Medial cerebral artery
B	Anterior cerebral artery
C	Posterior cerebral artery
D	Posterior communicating artery
E	Anterior communicating artery
№	krok 2018
Topic	Nasal cavity
Task	X-ray detected pus accumulation in the sphenoidal sinus. The pus is being excreted into the following nasal meatus:
Correct answer	Right and left superior nasal meatus
B	Left middle nasal meatus

C	Right inferior nasal meatus
D	Left inferior nasal meatus
E	Right middle nasal meatus
№	krok 2018
Topic	Teeth
Task	During oral cavity examination a dentist noticed eruption of the permanent canines in a child. The child grows and develops normally. Determine the child's age:
Correct answer	11-13 years
B	13-16 years
C	6-7 years
D	8-9 years
E	9-10 years
№	krok 2018
Topic	Cranial nerves
Task	A surgeon accidentally damaged a nerve that innervates mylohyoid muscle. Name this nerve:
Correct answer	N. trigeminus
B	N. facialis
C	N. glossopharyngeus
D	N. hypoglossus
E	N. accessorius
№	krok 2018
Topic	
Task	At the crown apex of the second molar, on the surface that comes into contacts with the cheek, the doctor detected a carious cavity. Name the affected crown surface:
Correct answer	Facies vestibularis
B	Facies lingualis
C	Facies mesialis

D	Facies distalis
E	Facies occlusalis
№	krok 2018
Topic	Muscles of the head
Task	A person in the state of nervous tension develops transverse wrinkles on the forehead. What muscle contracts to produce this result?
Correct answer	M. occipitofrontalis
B	M. procerus
C	M. corrugator supercilii
D	M. temporoparietalis
E	M. auricularis anterior
№	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	The 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	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 2019
Topic	Muscles of the shoulder
Task	A patient came to the traumatologist with complaints of developing difficulties during active extension of elbow. What muscle is the most likely to be damaged?
Correct answer	M. triceps brachii

B	M. corncobrachialis
C	M. deltoideus
D	M. latissimus dorsi
E	M. pectoralis minor
№	krok 2019
Topic	Cranial nerves
Task	A surgeon accidentally damaged a nerve that innervates mylohyoid muscle. Name this nerve:
Correct answer	N. trigeminus
B	N. glossopharyngeus
C	N. facialis
D	N. accessorius
E	N. hypoglossus
№	krok 2019
Topic	Cranial nerves
Task	A man has developed downturning mouth and smoothed out nasolabial fold due to influenza complication. What nerve is damaged?
Correct answer	Facial nerve
B	Maxillary nerve
C	Trochlear nerve
D	Mandibular nerve
E	Oculomotor nerve
№	krok 2019
Topic	Sympathetic trunk
Task	A victim of a traffic accident has lost thoracic respiration but retains diaphragmal. The spinal cord is most likely to be damaged at:
Correct answer	VI-VII cervical segments
B	I-II lumbar segments

C	I-II cervical segments
D	I-II sacral segments
E	XI-XII cervical segments
№	krok 2019
Topic	Tongue, glands of mouth cavity
Task	After facial trauma the patient developed a buccal hematoma. What salivatory gland has its outflow blocked by the hematoma?
Correct answer	Parotid
B	Submandibular
C	Lingual
D	Buccal
E	Sublingual
№	krok 2019
Topic	External carotid artery
Task	A child presents with a wound behind the mastoid bone. Bright red blood streams from the wound. Damage was sustained to the branches of the following artery:
Correct answer	A. occipitalis
B	A. carotis interna
C	A. temporalis superior
D	A. maxillaris
E	A. carotis externa
№	krok 2019
Topic	Cranial nerves
Task	Examination revealed the patient to have decreased secretory function of the nasal cavity glands. What nerve provides parasympathetic innervation of these glands?

Correct answer	N. petrosus major
B	N. chorda tympani
C	N. petrosus minor
D	N. maxillaris
E	N. petrosus profundus
№	krok 2019
Topic	Tongue, glands of mouth cavity
Task	Oral examination reveals marked reddening of mucosa at the root of the tongue. What structure is involved in the inflammatory process?
Correct answer	Lingual tonsil
B	Tonsil of torus tubaris
C	Pharyngeal tonsil
D	Veil of palate
E	Palatine tonsil
№	krok 2019
Topic	Connections of the foot bones
Task	A surgeon must amputate the damaged part of the patient's foot along the line of Lisfranc joint. What ligament must be cut in this case?
Correct answer	Medial interosseous tarsometatarsal ligament
B	Calcaneonavicular ligament
C	Bifurcated ligament
D	Talonavicular ligament
E	Talocalcaneal ligament
№	krok 2019
Topic	Muscles of the face
Task	A patient complains of painful chewing, especially when his lower jaw moves forward and to the side. It indicates functional disorder of the following muscles:

Correct answer	Lateral pterygoid muscles
B	Medial pterygoid muscles
C	Temporal muscles
D	Mylohyoid muscles
E	Masseter muscles
№	krok 2019
Topic	Vessels and nerves of the brain
Task	A man presents with suppurative wound in the area of mastoid bone, which resulted in development of cerebral meningitis in the patient. Specify the way of infection penetration into the patient's cranial cavity:
Correct answer	V. emissariae mastoidea
B	V facialis
C	V.v labirinthi
D	Vv. tympanicae
E	V. auricularis
№	krok 2019
Topic	The bones of the facial skull
Task	A patient is diagnosed with deformed posterior portion of the nasal septum. What bone is deformed?
Correct answer	Vomer
B	Lateral pterygoid plate
C	Vertical plate of palatine bone
D	Medial pterygoid plate
E	Perpendicular plate of ethmoid bone
№	krok 2019
Topic	Teeth
Task	During oral cavity examination a dentist noticed eruption of the permanent canines in a child. The child grows and develops normally. Determine the child's age:
Correct answer	11-13 years

B	6-7 years
C	8-9 years
D	9-10 years
E	13-16 years
№	krok 2019
Topic	The organ of vision
Task	Due to sustained trauma the patient presents with unevenly dilated pupils (anisocoria). What muscle is blocked?
Correct answer	Musculus sphincter pupillae
B	Musculus ciliaris
C	Musculus rectus superior
D	Musculus rectus lateralis
E	Fascia lata
№	krok 2019
Topic	External and internal male organs of generation
Task	A patient complains of urine excretion that occurs during sexual intercourse. What organ is affected?
Correct answer	Prostate
B	Epididymis
C	Urinary bladder
D	Seminal vesicles
E	Testicle
№	krok 2019
Topic	Cranial nerves
Task	A patient consulted a doctor about an increased pain sensitivity of the ear skin and ear canal. Palpation behind the sternocleidomastoid muscle was painful. Such clinical presentations are typical of the irritation of the following nerve:
Correct answer	N. auricularis ra gnus

B	N. transversus colli
C	N occipitalis minor
D	N. vagus
E	Nn. supraclaviculares
№	krok 2019
Topic	Muscles of the head
Task	A person in the state of nervous tension develops transverse wrinkles on the forehead. What muscle contracts to produce this result?
Correct answer	M. procerus
B	M. occipitofrontalis
C	M. temporoparietalis
D	M. corrugator supercilii
E	M. auricularis anterior
№	krok 2019
Topic	Cranial nerves
Task	A 45-year-old man came to the hospital complaining of sensory loss in the posterior 1/3 of his tongue. Which pair of the cranial nerves is functionally disturbed?
Correct answer	IX
B	XII
C	V
D	VIII
E	X
№	krok 2019
Topic	Relief of the cortex
Task	During a brain surgery stimulation of the cerebral cortex resulted in tactile and thermal sensations in the patient. What gyrus was stimulated?
Correct answer	6-7.

B	7-8.
C	12-13.
D	4-5.
E	1-2.
№	krok 2019
Topic	Teeth
Task	At the crown apex of the second molar, on the surface that comes into contacts with the cheek, the doctor detected a carious cavity. Name the affected crown surface:
Correct answer	Facies vestibularis
B	Facies occlusalis
C	Facies distalis
D	Facies lingualis
E	Facies mesialis
№	krok 2019
Topic	Muscles of the face
Task	A woman complains of painful chewing, especially when she moves her lower jaw backwards. What muscles are affected?
Correct answer	Posterior bundles of the temporal muscles
B	Medial pterygoid muscles
C	Anterior bundles of the temporal muscles
D	Lateral pterygoid muscles
E	Masseter muscles
№	krok 2019
Topic	The spinal cord
Task	To take a sample of cerebrospinal fluid for analysis, a doctor makes a puncture into subarachnoid space. To prevent damage to the spinal cord, the needle must be inserted between the two following vertebrae:
Correct answer	III and IV lumbar

B	XI and XII thoracic
C	XII thoracic and I lumbar
D	IV and V thoracic
E	I and II lumbar
№	krok 2019
Topic	Vessels and nerves of the brain
Task	A patient with knife wound of the neck presents with hemorrhage. Initial wound management revealed damage to the vessel that is located along the lateral edge of the sternocleidomastoid muscle. Name this vessel:
Correct answer	V. jugularis externa
B	V. jugularis interna
C	A. carotis interna
D	A. carotis externa
E	V jugularis anterior
№	krok 2019
Topic	External carotid artery
Task	A patient has suffered a head injury. On examination there is a subcutaneous hematoma in the temporal area. What vessel was damaged, thus resulting in the hematoma development?
Correct answer	A. temporalis superficial
B	A. maxillaris
C	A. buccalis
D	A. auricularis posterior
E	A. occipitalis
№	krok 2019
Topic	External carotid artery
Task	A trauma patient has wound in the temporal region, with trickle of bright-red blood streaming from it. What blood vessel is damaged?

Correct answer	A. temporalis superficialis
B	A. auricularis posterior
C	A. occipitalis
D	A. facialis
E	A. maxillaris
№	krok 2019
Topic	Cranial nerves
Task	A patient presents with damaged fibers of the ninth pair of cranial nerves (glossopharyngeal nerve). What gustatory sensation will be disturbed in this case?
Correct answer	Bitterness
B	All gustatory sensations
C	Sweetness
D	Saltiness
E	Sourness
№	krok 2019
Topic	Nasal cavity
Task	X-ray detected pus accumulation in the sphenoidal sinus. The pus is being excreted into the following nasal meatus:
Correct answer	Right and left superior nasal meatus
B	Right middle nasal meatus
C	Left middle nasal meatus
D	Right inferior nasal meatus
E	Left inferior nasal meatus
№	krok 2019
Topic	Muscles of the neck
Task	A patient with electrical injury to the neck area developed pathologic fixed sideways flexion of the head towards the injured area, while the face is fixed away from the injury. What neck muscle sustained scarring?

Correct answer	Sternocleidomastoid muscle
B	Omohyoid muscle
C	Anterior scalene muscle
D	Trapezius muscle
E	Digastric muscle
№	krok 2019
Topic	Vessels and nerves of the brain
Task	A patient suffers from disturbed blood supply of superior lateral surface of the cerebral hemispheres. What blood vessel is damaged?
Correct answer	Medial cerebral artery
B	Anterior communicating artery
C	Posterior communicating artery
D	Posterior cerebral artery
E	Anterior cerebral artery
№	krok 2019
Topic	The heart
Task	During examination the doctor performs auscultation to assess the functioning of the patient's mitral valve. Where can the sound of this valve be auscultated?
Correct answer	At the apex of the heart
B	At the edge of the sternum in the 2nd intercostal space on the left
C	At the edge of the sternum over the 5th costal cartilage on the right
D	At the edge of the sternum in the 2nd intercostal space on the right
E	At the edge of the sternum over the 5th costal cartilage on the left
№	krok 2020
Topic	Vessels and nerves of the brain
Task	A patient suffers from disturbed blood supply of superior lateral surface of the cerebral hemispheres. What blood vessel is damaged?

Correct answer	Medial cerebral artery
B	Anterior communicating artery
C	Posterior communicating artery
D	Anterior cerebral artery
E	Posterior cerebral artery
№	krok 2020
Topic	The organ of vision
Task	A teenager with impaired visual acuity came to an ophthalmologist. The doctor explained that this condition was caused by a spasm of accommodation. What component of an eyeball is a part of accommodation apparatus?
Correct answer	Ciliary muscle
B	Cornea
C	Retina
D	Vitreous body
E	Sclera
№	krok 2020
Topic	Meningeas of the brain
Task	A patient suffers from meningitis. He is prescribed a subarachnoid space puncture. Where is this space located?
Correct answer	Between arachnoid mater and pia mater
B	Between periosteum and arachnoid mater
C	Between dura mater and arachnoid mater
D	Between periosteum and dura mater
E	x
№	krok 2020
Topic	Cranial nerves

Task	In the course of a surgery, the fibers of the 12th pair of cranial nerves were damaged. This damage manifested as:
Correct answer	Disturbed function of the lingual muscles
B	Disturbed contraction of the pharyngeal muscles
C	Disturbed contraction of the muscles that elevate the hyoid bone
D	Disturbed contraction of the muscles of the soft palate
E	Disturbed contraction of the laryngeal muscles
№	krok 2020
Topic	Teeth
Task	A man is being examined in the maxillofacial surgery department and the doctor studies his mandibular buttresses. How many buttresses are there on the lower jaw?
Correct answer	2.
B	1.
C	3.
D	5.
E	4.
№	krok 2020
Topic	Cranial nerves
Task	A patient has a parotid gland inflammation. What nerve is involved in the inflammatory process in this case?
Correct answer	N. facialis
B	N tympanicus
C	N. lingualis
D	N. maxillaris
E	N. mandibularis
№	krok 2020
Topic	Muscles of the face

Task	A patient is diagnosed with a displaced fracture of the coronoid process of the mandible. What muscle will displace the coronoid process?
Correct answer	Temporal
B	Lateral pterygoid muscle
C	Masseter
D	Medial pterygoid muscle
E	x
№	krok 2020
Topic	Teeth
Task	A deciduous second molar was extracted in a 13-year-old child. What permanent tooth will replace the extracted one?
Correct answer	Second premolar
B	First premolar
C	First molar
D	Third molar
E	Second molar
№	krok 2020
Topic	Muscles of the back
Task	A patient has a deep incised wound on the back of his neck. What muscle is damaged in this case?
Correct answer	M. trapezius
B	M. mylohyoideus
C	M. levator scapulae
D	M. sternocleidomastoideus
E	M. digastricus
№	krok 2020
Topic	The cerebellum

Task	A patient loses his equilibrium, when in an upright position with his eyes closed. What brain structures are the most likely to be damaged in this patient?
Correct answer	Cerebellum
B	Basal ganglia
C	Precentral gyrus of the cerebral cortex
D	Limbic system
E	Thalamus
№	krok 2020
Topic	The spinal cord
Task	A woman is diagnosed with a hemorrhage into the posterior horns of the spinal cord. What is their function?
Correct answer	Sensory
B	Motor
C	Parasympathetic
D	Sympathetic
E	x
№	krok 2020
Topic	External carotid artery
Task	A patient has suffered a head injury. On examination there is a subcutaneous hematoma in the temporal area. What vessel was damaged, resulting in hematoma development?
Correct answer	A. temporalis superficialis
B	A. buccalis
C	A. auricularis posterior
D	A. occipitalis
E	A. maxillaris
№	krok 2020
Topic	Muscles of the neck

Task	A patient needs his tongue to be amputated due to a malignant tumor located there. Where can one easily find the lingual artery and ligate it?
Correct answer	Pirogov triangle
B	Omotrapezoid triangle
C	Omoclavicular triangle
D	Carotid triangle
E	Omotracheal triangle
№	krok 2020
Topic	Teeth
Task	A newborn has well-developed jaws with tooth buds for both deciduous and permanent teeth in the each one. How many tooth buds are there in one jaw of the newborn?
Correct answer	10 deciduous teeth and 16 permanent teeth
B	20 deciduous teeth and 10 permanent teeth
C	10 deciduous teeth and 10 permanent teeth
D	20 deciduous teeth
E	10 deciduous teeth and 8 permanent teeth
№	krok 2020
Topic	Muscles of the face
Task	A man came to a dentist with complaints of pain during chewing and moving the jaw forward. What masticatory muscles are inflamed in this case?
Correct answer	M.m. pterigoidei laterales
B	M.m. pterigoidei mediatas
C	M.m. buccalis
D	M.m. temp orates
E	x
№	krok 2020
Topic	Muscles of the neck

Task	During a surgery on the oral diaphragm, a surgeon needs to locate an area that is called a 'submandibular triangle'. What muscle bounds this area?
Correct answer	M. digastricus
B	M. stylohyoideus
C	M. hyoglossus
D	M. geniohyoideus
E	x
№	krok 2020
Topic	Nasal cavity
Task	A patient complains of severe rhinitis and total loss of olfactory perception. Receptors of the olfactory analyzer are damaged in this patient. Where in the nasal cavity are these receptors located?
Correct answer	Superior nasal meatus
B	Inferior nasal meatus
C	Middle nasal meatus
D	Choanae
E	Common nasal meatus
№	krok 2020
Topic	Bronchi
Task	A child with a foreign body in the lungs has been hospitalized. What bronchus is the most likely to contain this foreign body, if its diameter approximates to 1,5 cm?
Correct answer	Right primary bronchus
B	Lobar bronchus
C	Right segmental bronchus
D	Left segmental bronchus
E	Left primary bronchus
№	krok 2020
Topic	Relief of the cortex

Task	A patient has a general sensitivity loss in separate areas of his body on the right. What cerebral gyrus is affected in this case?
Correct answer	Postcentral gyrus
B	Precentral gyrus
C	Middle temporal gyrus
D	Inferior temporal gyrus
E	Superior temporal gyrus
№	krok 2020
Topic	V. portae
Task	A patient has markedly dilated subcutaneous veins in the area of the anterior abdominal wall around the umbilical region. In what vessel would there be elevated blood pressure, contributing to these symptoms?
Correct answer	V. portae hepatis
B	V. mesenterica inferior
C	V. mesenterica superior
D	V. cava superior
E	V. cava inferior
№	krok 2020
Topic	Glands of the mouth cavity
Task	To clarify the diagnosis of a 15-year- old patient, it is necessary to perform a sialography of the parotid gland. Where is the opening, through which a radiocontrast agent will be introduced in this case?
Correct answer	On the cheek, opposite of the 2nd upper molar
B	On the cheek, opposite of the 2nd lower premolar
C	On the cheek, opposite of the 2nd lower molar
D	On the cheek, opposite of the 2nd upper premolar
E	x
№	krok 2020
Topic	Conducting tracts

Task	Brain investigation by means of nuclear magnetic resonance revealed the patient to have a hematoma in the genu of the internal capsule. What pathway is damaged in this case?
Correct answer	Tr cortico-nuclearis
B	Tr. cortico-spinalis
C	Tr. cortico-thalamicus
D	Tr. cortico-fronto-pontinus
E	Tr. thalamo-corticalis
№	krok 2020
Topic	The temporomandibular joint
Task	A patient is undergoing a surgery for a trauma of the temporomandibular joint. An incision revealed a structure that improves the congruence of joint surfaces. Name this structure:
Correct answer	Disc
B	Meniscus
C	Lip
D	Fold
E	Ligament
№	krok 2020
Topic	Cranial nerves
Task	After a cold the patient developed impaired perception of pain and thermal stimuli in the front 2/3 of the tongue. What nerve was damaged in this case?
Correct answer	Trigeminal
B	Hypoglossal
C	Phrenic
D	Vagus
E	Chorda tympani
№	krok 2021
Topic	The heart

Task	A student uses percussion to determine the cardiac border that projects on the anterior thoracic wall at the level of the third costal cartilage. What cardiac border is being determined?
Correct answer	Upper
B	Left
C	Right
D	Lower
E	-
№	krok 2021
Topic	Central nervous system
Task	A patient has received a trauma to the calvaria. What sinuses are likely to be damaged?
Correct answer	Superior sagittal sinus
B	Inferior petrosal sinus
C	Superior petrosal sinus
D	Sigmoid sinus
E	Inferior sagittal sinus
№	krok 2021
Topic	Periferal nervous system
Task	Contractions of the respiratory muscles completely stop, if:
Correct answer	Spinal cord transection at the level of upper cervical segments
B	Spinal cord transection at the level of lower cervical segments
C	Separation of pons cerebelli from medulla oblongata
D	Bilateral vagal transection
E	-
№	krok 2021
Topic	Digestive system
Task	A deciduous second molar was extracted in a 13-year-old child. What permanent tooth will replace the extracted one?

Correct answer	Second premolar
B	First molar
C	Second molar
D	Third molar
E	First premolar
№	krok 2021
Topic	Central nervous system
Task	To take a sample of cerebrospinal fluid for analysis, a doctor makes a puncture into subarachnoid space. To prevent damage to the spinal cord, the needle must be inserted between the two following vertebrae:
Correct answer	L3 and L4
B	Th4 and T5
C	Th12 and L1
D	Th11 and Th12
E	-
№	krok 2021
Topic	Vessels of head
Task	A patient with trauma has an epidural hematoma in the temporal region. What artery was damaged?
Correct answer	Middle meningeal artery
B	Posterior communicating artery
C	Anterior meningeal artery
D	Medial cerebral artery
E	Anterior cerebral artery
№	krok 2021
Topic	The heart
Task	Auscultation reveals that in the patient's II intercostal space along the parasternal line on the right the II heart sound is better heard than the I heart sound. Closure of which valve produces this sound?
Correct answer	Semilunar aortic valve

B	Right tricuspid valve
C	Left bicuspid valve
D	Bicuspid and tricuspid valves
E	Semilunar pulmonary valve
№	krok 2021
Topic	Sensori organs
Task	A teenager with impaired visual acuity came to an ophthalmologist. The doctor explained that this condition was caused by a spasm of accommodation. What component of an eyeball is a part of accommodation apparatus?
Correct answer	Ciliary muscle
B	Vitreous body
C	Retina
D	Cornea
E	Sclera
№	krok 2021
Topic	Central nervous system
Task	After a cerebral hemorrhage, the patient developed a significant loss of gustatory sensitivity. What cerebral structure is likely to be damaged in this case?
Correct answer	Amygdala
B	Hypothalamus
C	Substantia nigra
D	Hippocampus
E	Postcentral gyrus
№	krok 2021
Topic	Cranial nervs
Task	In the course of a surgery, the fibers of the 12th pair of cranial nerves were damaged. This damage manifested as:

Correct answer	Disturbed function of the lingual muscles
B	Disturbed contraction of the muscles that elevate the hyoid bone
C	Disturbed contraction of the laryngeal muscles
D	Disturbed contraction of the pharyngeal muscles
E	Disturbed contraction of the muscles of the soft palate
№	krok 2021
Topic	Sensori organs
Task	A patient suffers from disturbed ocular accommodation. What muscle is damaged?
Correct answer	Musculus ciliaris
B	Musculus sphincter pupillae
C	Musculus dilatator pupillae
D	Musculus rectus inferior
E	Musculus rectus superior
№	krok 2021
Topic	Joints of bones
Task	During a spinal surgery, the patient's vertebral arches and their connecting ligaments were removed. Name these ligaments:
Correct answer	Yellow ligaments
B	Interspinous ligaments
C	Posterior longitudinal ligament
D	Anterior longitudinal ligament
E	-
№	krok 2021
Topic	Muscles of body
Task	After a trauma a man is unable to extend his arm in the elbow joint. It can be caused by disturbed function of the following muscle:
Correct answer	Musculus triceps brachii

B	Musculus teres major
C	Musculus infraspinatus
D	Musculus levator scapule
E	Musculus subscapularis
№	krok 2021
Topic	Digestive system
Task	Appendicitis can be mistaken for a liver or gallbladder disorder if the vermiform appendix is in the following position:
Correct answer	Ascending
B	Lateral
C	Descending
D	Retrocecal
E	Medial
№	krok 2021
Topic	Digestive system
Task	Examination of the patient's oral cavity shows a contact between the cutting edges of the upper and lower incisors. This type of teeth placement is characteristic of:
Correct answer	Closed occlusion
B	Orthognathia
C	Orthogenic occlusion
D	Biprognathic occlusion
E	Progenia
№	krok 2021
Topic	Cranial nerves
Task	A man has a malignant lingual tumor. The surgeon ligates his a.lingualis in the area of the Pirogov`s triangle. I this case, special attention should be paid to the:
Correct answer	n. hypoglossus

B	n. sublingualis
C	n. glossopharyngeus
D	n. lingualis
E	Ansa cervicalis
№	krok 2021
Topic	Muscles of body
Task	A man came to the dentist complaining of problems with chewing. Backward movement of his lower jaw is painful. The dentist determined inflammation of a masticatory muscle in this patient. Which muscle is inflamed in this case?
Correct answer	Temporal muscle (posterior fibers)
B	Temporal muscle (anterior fibers)
C	Lateral pterygoid muscle
D	Medial pterygoid muscle
E	Masseter muscle
№	krok 2021
Topic	Respiratory system
Task	X-ray detected pus accumulation in the sphenoidal sinus. The pus is being excreted into the following nasal meatus:
Correct answer	Right and left superior nasal meatus
B	Right middle nasal meatus
C	Left middle nasal meatus
D	Left inferior nasal meatus
E	Right inferior nasal meatus
№	krok 2021
Topic	Muscles of body

Task	A 42-year-old man with an incised wound on the lower anterior surface of his shoulder came to the medical station. Objectively he presents with impaired forearm flexion. What muscles are likely to be damaged in this patient?
Correct answer	M. brachialis, m. biceps brachii
B	M. deltoideus, m. biceps brachii
C	M. coracobrachialis, m. supraspinatus
D	M. deltoideus, m. infraspinatus
E	M. biceps brachii, m. anconeus
№	krok 2021
Topic	The heart
Task	Heart auscultation detected a systolic murmur in the II intercostal space on the left parasternal line. In this case, the doctor was able to auscultate a pathology of the:
Correct answer	Valve of the pulmonary trunk
B	Aortic valve
C	Bicuspid valve
D	Tricuspid valve
E	Valve of the superior vena cava
№	krok 2021
Topic	Joints of bones
Task	The costal margin is an important topographic landmark of the human body. It is formed by the cartilage of the following vertebrae:
Correct answer	From 7 to 10
B	From 1 to 7
C	Only 12
D	From 1 to 12
E	From 11 to 12
№	krok 2021

Topic	Peripheral nervous system
Task	A car accident victim presents with a spinal hematoma accompanied by retrosternal pain, tachycardia, and elevated blood pressure. The patient's condition results from the damage to the following segments of the spinal cord:
Correct answer	Th1-Th5
B	C6-C8
C	L1-L3
D	S1-S3
E	-
№	krok 2021
Topic	Muscles of body
Task	A patient has torticollis. What muscle of the neck is damaged?
Correct answer	m. sternocleidomastoideus
B	m. omohyoideus
C	m. mylohyoideus
D	m sternohyoideus
E	m. platisma
№	krok 2021
Topic	Genital system
Task	A patient presents with aspermia. What organ is functionally disturbed?
Correct answer	Testicle
B	Seminal vesicles
C	Epididymis
D	Prostate
E	-
№	krok 2021
Topic	Digestiv system

Task	A 34-year-old woman has a gastric ulcer. To describe the location of the ulcer, the doctor must know, into what parts the stomach can be divided:
Correct answer	Body and fundus of the stomach, pyloric stomach and cardiac stomach
B	Body and fundus of the stomach, greater and lesser curvatures of stomach
C	Anterior and posterior stomach walls, pyloric stomach and cardiac stomach
D	Fundus of the stomach, greater and lesser curvatures of stomach, cardiac stomach
E	Fundus and fornix of the stomach, pyloric stomach, pyloric antrum, cardiac stomach
№	krok 2021
Topic	Digestiv system
Task	A man came to the dentofacial orthopedist to have dentures made for him. The doctor determined that all the teeth without second antagonists need dentures. Name these teeth:
Correct answer	Upper third molars
B	Lower second premolars
C	Lower second molars
D	Upper second molars
E	Lower first molars
№1	KPOK 2022
topic	skull
task text	X-ray scan shows a skull fracture. The line of the fracture passes through the supraorbital rim. What bone is damaged?
correct answer	Maxilla
B	Parietal bone
C	Frontal bone
D	Temporal bone
E	Occipital bone
№2	KPOK 2022
topic	myology

task text	The patient's right palpebral fissure is markedly larger than the left. What mimic muscle is functionally disturbed in this case?
correct answer	<i>M. orbicularis oculi</i>
B	<i>M. occipitofrontalis (venter frontalis)</i>
C	<i>M. zygomaticus major</i>
D	<i>M. corrugator supercilli</i>
E	<i>M. procerus</i>
№3	KPOK 2022
topic	cranial nerves
task text	Examination of a patient who came to the neurological department shows smoothed-out forehead wrinkles, inability to squint the eyes, drooping mouth corner. One cheek "inflates" along with breathing. What nerve is damaged in this case?
correct answer	Facial
B	Accessory
C	Trigeminal
D	Oculomotor
E	Vagus
№4	KPOK 2022
topic	cranial nerves
task text	A man has developed a drooping mouth corner and smoothed out nasolabial fold due to influenza complication. What nerve is damaged?
correct answer	Facial nerve
B	Mandibular nerve
C	Maxillary nerve
D	Trochlear nerve
E	Oculomotor nerve
№5	KPOK 2022

topic	The Digestive System
task text	In the process of tooth extraction, the connection between the tooth cement and tooth socket is being destroyed. Name this connecting structure:
correct answer	Periodontium
B	Gums
C	Cement
D	Dentin
E	Enamel
№6	KPOK 2022
topic	skull
task text	A traumatologist has diagnosed a patient with a fracture in the area of the canine fossa. This fossa is located on the:
correct answer	Maxilla
B	Zygomatic bone
C	Mandible
D	Frontal bone
E	Palatine bone
№7	KPOK 2022
topic	CVS
task text	A patient has suffered a head injury. On examination there is a subcutaneous hematoma in the temporal area. What vessel was damaged, resulting in hematoma development?
correct answer	<i>A. temporalis superficialis</i>
B	<i>A. occipitalis</i>
C	<i>A. maxillaris</i>
D	<i>A. auricularis posterior</i>
E	<i>A. buccalis</i>

№8	KPOK 2022
topic	The Digestive System
task text	Examination of the patient shows that the patient's tongue cannot be moved forward (the patient cannot stick his tongue out). What muscle is damaged?
correct answer	Genioglossal muscle
B	Transverse muscle of the tongue
C	Stylohyoid muscle
D	Hyoglossal muscle
E	Longitudinal muscle of the tongue
№9	KPOK 2022
topic	myology
task text	Examination of a 15-year-old patient shows that after a maxillofacial trauma he is unable to move his lower jaw downward. This pathology is likely to be caused by a damaged muscle. What muscle is damaged?
correct answer	Geniohyoid muscle
B	Temporal muscle
C	Medial pterygoid muscle
D	Lateral pterygoid muscle
E	Masseter
№10	KPOK 2022
topic	CVS
task text	During heart ultrasound a 1.5-year- old child presents with non-closure of the foramen ovale, which is clinically confirmed. Where in the heart is this defect located?
Correct answer	Interatrial septum
B	Cardiac apex

C	Left atrioventricular valve
D	Right atrioventricular valve
E	Interventricular septum
№11	KPOK 2022
topic	CVS
task text	What artery can be damaged when conduction anesthesia is being administered to the area of mandibular foramen?
Correct answer	Inferior alveolar artery
B	Middle meningeal artery
C	Lingual artery
D	Buccal artery
E	Pterygoid branches of the maxillary artery
№12	KPOK 2022
topic	skull
task text	A patient with a head trauma was brought to the hospital. He was diagnosed with a fracture of the sphenoid bone at the base of the sphenoidal process. What canal is likely to be damaged in this case?
correct answer	Pterygoid canal
	Carotid canal
	Tympanic canal
	Musculotubal canal
	Facial canal
№13	KPOK 2022
topic	CNS

task text	A patient has a head trauma in the area of the suture between two parietal bones. What sinus of dura mater is likely to be damaged in this case?
correct answer	Superior sagittal sinus
B	Sigmoid sinus
C	Transverse sinus
D	Occipital sinus
E	Inferior sagittal sinus
№14	KPOK- 2022
topic	urinary system
task text	A patient with acute retention of urine has been brought to an admission room. During examination a doctor found out that the patient has urethral obturation caused by pathology of the surrounding organ. Name this organ:
correct answer	Prostate
B	Epididymis
C	Seminal vesicle
D	Spermatic cord
E	Testicle
№15	KPOK 2022
topic	The Digestive System
task text	At the crown apex of the second molar, on the surface that comes into contacts with the cheek, the doctor detected a carious cavity. Name the affected crown surface:
correct answer	<i>Facies vestibularis</i>
B	<i>Facies lingualis</i>
C	<i>Facies occlusalis</i>
D	<i>Facies mesialis</i>
E	<i>Facies distalis</i>

№16	Human anatomy
topic	cranial nerves
task text	The doctor observes a disturbed process of lacrimation in the patient due to irritation of one of the branches of the VII pair of cranial nerves. What branch is irritated?
correct answer	<i>N. petrosus major</i>
B	<i>R. colli</i>
C	<i>Chorda tympani</i>
D	<i>N. auricularis posterior</i>
E	<i>N. stapedius</i>
№17	KPOK 2022
topic	myology
task text	A patient complains of painful chewing, especially when his lower jaw moves forward and to the side. It indicates functional disorder of the following muscles:
correct answer	Lateral pterygoid muscles
B	Masseter muscles
C	Mylohyoid muscles
D	Temporal muscles
E	Medial pterygoid muscles
№18	KPOK 2022
topic	CVS
task text	A dental surgeon has diagnosed a 24-year-old woman with suppurative inflammation of the sphenoidal sinus. All possible measures are taken to prevent the artery wall from being involved in this process. The artery is located in the cavernous sinus and its involvement can cause fatal hemorrhage. Name this artery:
correct answer	<i>A. carotis interna</i>
B	<i>A. ophthalmica</i>
C	<i>F. supraorbitalis</i>

D	<i>A. infraraorbitalis</i>
E	<i>A. carotis externa</i>
№19	KPOK 2022
topic	CNS
task text	Examination shows that the patient has disturbed secretory function of a parotid gland due to pathology of the nerve that carries parasympathetic postganglionic nerve fibers from the otic ganglion to the affected gland. What nerve is it?
correct answer	<i>N. petrosus minor</i>
	<i>N. lingualis</i>
	<i>N. facialis</i>
	<i>N. buccalis</i>
	<i>N. auriculotemporalis</i>
№20	KPOK 2022
topic	CVS
task text	In the genetic consultancy a pregnant woman (20 weeks of pregnancy) was examined. US shows normally developed fetus, no abnormalities in the cardiovascular system, ductus arteriosus is functional. What fetal vessels are connected with ductus arteriosus?
correct answer	Pulmonary trunk and aorta
B	Pulmonary trunk and inferior vena cava
C	Pulmonary trunk and pulmonary veins
D	Aorta and superior vena cava
E	Aorta and inferior vena cava