

№	krok 2021
Topic	Occupational neurotoxicosis
Task	A 30-year-old man, a cable presser, complains of inertness, memory problems, and pain in his limbs. Objectively, he presents with skin pallor, anemia, reticulocytosis, basophilic stippling of erythrocytes, and high levels of porphyrin in urine. This man has the signs of the following disease:
Correct answer	Saturnism
B	Siderosis
C	Berylliosis
D	Mercurialism
E	Asbestosis
№	krok 2021
Topic	Pneumoconiosis.
Task	Employees work in conditions of high dust concentration. Certain chemical (silicon dioxide content) and physical properties of dust aerosols contribute to the development of occupational dust-induced diseases. What is the main physical property of dust aerosols?
Correct answer	Dispersion
B	Magnetization
C	Electriccharge
D	Solubility
E	Ionization
№	krok 2021
Topic	Vibration disease and neurosensory hearing loss
Task	40% of the workers, who polish the art glass, using an abrasive disk, and have a long record of employment, are diagnosed with ulnar neuritis, 21% -with vegetative polyneuritis, and 12% - with vegetomyofascitis of the upper limbs. These pathologies are associated with the following harmful factor:
Correct answer	Vibration
B	Dust
C	Microclimate
D	Noise
E	Electromagnetic field
№	krok 2021
Topic	Pneumoconiosis.

Task	A 43-year-old man, a coal-face worker with 15-year-long record of work, complains of cough, thoracic pain, and dyspnea. The cough is mild, usually dry, occurs mostly in the morning. The pain is localized in the interscapular region and aggravates during a deep intake of breath. Dyspnea occurs during physical exertion. Vesicular respiration in the lungs is weakened. Heart sounds are rhythmic, heart rate is 86/min., blood pressure is 135/80mmHg. The abdomen is soft and painless. X-ray shows micronodular pulmonary fibrosis. Make the provisional diagnosis:
Correct answer	Carboconiosis
B	Byssinosis
C	Silicosis
D	Berylliosis
E	Metal pneumoconiosis
№	krok 2021
Topic	Vibration disease and neurosensory hearing loss
Task	A quarry produces granite, which is then broken into pieces with explosives and manual pneumatic hammers. When breaking granite rocks and drilling blast holes for the explosives, the workers are exposed to local vibration of medium and high frequency. Vibration measurement revealed that it exceeds the maximum permissible level. What specific changes can develop in the workers as the result of prolonged exposure to such working conditions?
Correct answer	Sensory polyneuropathy with angiospastic syndrome
B	Hand dermatitis
C	Psychasthenia
D	Sensorineural hearing loss
E	Somatoform autonomic dysfunction
№	krok 2021
Topic	Occupational neurotoxicosis
Task	When investigating a case of mass poisoning, it was determined that the car mechanics, who tested diesel engines in a repair bay with a broken exhaust ventilation, at the end of their working day developed the following signs: headache, nausea, vomiting, tinnitus, labile pulse. Objectively, their skin and mucosa are cherry-red. What toxic factor has caused mass poisoning of the car mechanics?
Correct answer	Carbon dioxide
B	Sulfur dioxide
C	Carbon monoxide

D	Nitrogen oxide
E	Carbon disulfide
№	krok 2017, 2013
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	During the periodic medical examination an assembly fitter (works on soldering details) didn't report any health problems. Closer examination revealed signs of asthenic-vegetative syndrome. Blood included red blood cells with basophilic aggregations and a somewhat higher number of reticulocytes, urine had a high concentration of delta-aminolevulinic acid. The complex of symptoms indicates the initial stage of chronic intoxication with:
Correct answer	Lead
B	Manganese
C	Mercury
D	Tin
E	Ethanol
№	krok 2017
Topic	Diseases caused by the influence of radioactive ionization
Дана тема на сьогодні не входить до програми професійних хвороб	A 45-year-old man complains of cough fits and tickling in his nasopharynx. He had been staying for 10 days in the polluted area created by the Chernobyl nuclear power plant accident. Rhinoscopy shows signs of severe nasopharynx irritation. What radionuclide is the cause of this irritation?
Correct answer	Radioactive iodine
B	Radioactive cesium
C	Radioactive strontium
D	Radioactive plutonium
E	Radioactive cobalt
№	krok 2017
Topic	Diseases caused by the influence of chemical factors. Intoxication with carbon oxide
Task	A 37-year-old worker during a fire ended up in the area of high $CO$ concentration. He was delivered to a hospital in unconscious state. Objectively: the skin of his face and hands is crimson. Respiration rate is 20/min. ECG: alterations specific for hypoxic myocardium. Hourly diuresis is 40 ml. Blood test: erythrocytes - $4,5 \cdot 10^{12}/l$ , Hb- 136 g/l, color index - 0,89, ESR- 3 mm/hour, carboxyhemoglobin - 5%. What criterion allows determining the severity of the patient's condition?
Correct answer	Carboxyhemoglobin concentration

B	Respiratory disorders
C	ECG results
D	Extent of trophic disorders
E	Development of chronic renal failure
№	krok 2017
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	A man works in casting of nonferrous metals and alloys for 12 years. In the air of working area there was registered high content of heavy metals, carbon monoxide, and nitrogen. During periodic health examination the patient presents with asthenovegetative syndrome, sharp pains in the stomach, constipations, pain in the hepatic area. In urine: aminolevulinic acid and coproporphyrin are detected. In blood: reticulocytosis, low hemoglobin level. Such intoxication is caused by:
Correct answer	Lead and lead salts
B	Tin
C	Carbon monoxide
D	Nitric oxide
E	Zinc
№	krok 2017
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	During assessment of work conditions at the mercury thermometer manufacture, content of mercury vapors in the air of working area is revealed to exceed maximum concentration limit. Specify the main way of mercury penetration into the body:
Correct answer	Respiratory organs
B	Intact skin
C	Damaged skin
D	Gastrointestinal tract
E	Mucous tunics
№	krok 2017
Topic	Diseases caused by the influence of chemical factors. Intoxication with carbon oxide
Task	During health assessment of car drivers and police officers on point duty, the physicians detected carboxyhemoglobin in the blood of the patients, weakened reflex responses, disturbed activity of a number of enzymes. Revealed professional health disorders are most likely to be associated with the effect of:
Correct answer	Carbon monoxide
B	Sulfurous anhydride

C	Mental stress
D	Aromatic hydrocarbons
E	Nitric oxide
№	krok 2017
Topic	Diseases caused by the influence of physical factors. Neurosensory hearing loss.
Task	A 47-year-old man is employed at the weaving workshop, has 15-year-long record of service at this factory; his work conditions are associated with high-frequency and high-intensity noise. During periodical examination he was diagnosed with occupational deafness. What are the grounds for making such a diagnosis?
Correct answer	Audiometry data and hygienic assessment of working environment
B	Record of service at this factory
C	Noise characteristic at this factory
D	Central nervous system examination results
E	Inner ear examination results
№	krok 2017, 2016
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.
Task	Survey radiograph of a 52-year-old worker of an agglomeration plant (28-year-long record of service, the concentration of metal dust is 22-37 mg/m <sup>3</sup> ) shows mildly pronounced interstitial fibrosis with diffused contrasting well-defined small nodular shadows. The patient has no complaints. Pulmonary function is not compromised. What is the provisional diagnosis?
Correct answer	Siderosis
B	Silicosis
C	Anthraco-silicatosi
D	Silicatosi
E	Anthraco
№	krok 2016
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	A worker, who was involved in fire fighting inside the building that stored 2 kg of mercury, has been delivered to a hospital with complaints of emotional expansiveness, palpitations, excessive sweating, body tremor, heart pain. Within one day his condition aggravated. Objectively: the skin is pale and moist. The patient is depressed. Permanent red dermographism, erethism, unstable BP are observed. What drug is the antidote in this case?
Correct answer	Unithiol
B	Atropine sulfate

C	Calcium tetacine
D	Amyl nitrite
E	Dipyroxime
№	krok 2016
Topic	Diseases caused by the influence of radioactive ionization
Дана Топіс на сьогодні не входить до програми професійних хвороб	A 38-year-old man's workplace is within the area of effect of ionizing radiation. During regular medical check-up he expresses no complaints. Blood test: erythrocytes - $4,5 \cdot 10^{12}/l$ , Hb- 80 g/l, leukocytes - $2,8 \cdot 10^9/l$ , platelets - $30 \cdot 10^9/l$ . Can this person continue to work with sources of ionizing radiation?
B	Work with radioactive substances and other sources of radiation is contraindicated
B	Work with radioactive substances is allowed
C	Only work with low-level radioactive substances is allowed
D	Work with radioactive substances can be allowed after detailed medical examination
E	Work with radioactive substances is allowed only for limited periods of time
№	
Topic	krok 2015
Task	Diseases caused by the influence of radioactive ionization
Дана Топіс на сьогодні не входить до програми професійних хвороб	A 46-year-old patient once took part in elimination of breakdown at an atomic power plant. Currently he is being treated at an inpatient hospital unit. He was diagnosed with progressing somatoform autonomic dysfunction. This disease relates to the following group of ionizing radiation effects:
B	Somato-stochastic
C	Somatic
D	Genetic
E	Hormesis
№	Heterosis
Topic	krok 2015
Task	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.

Correct answer	A 49-year-old patient 2 years ago was diagnosed with stage 1 silicosis. He complains of increased dyspnea and pain in the infrascapular regions. X-ray shows diffuse intensification and distortion of lung pattern with numerous nodular shadows 2-4 mm in diameter. Hardening of right interlobar pleura is detected. Lung roots are hardened and expanded. What X-ray type of pneumosclerosis does the patient have?
B	Nodular
C	Interstitial
D	Interstitial-nodular
E	Nodal
№	krok 2015
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	Residents of an industrial community situated near a plant suffer from increased morbidity rate caused by nervous and endocrine system conditions and kidney diseases. Blood test: decrease of sulfhydryc groups content in blood. The pathologies developed can be caused by environment being polluted by the following:
Correct answer	Mercury
B	Cadmium
C	Boron
D	Chromium
E	Lead
№	krok 2015
Topic	Diseases caused by the influence of physical factors. Vibration disease.
Task	A tractor driver with the record of service of 24 years has undergone palestesimetry test (Vibration Sensitivity Measurement). Test revealed increased vibration sensitivity threshold at the frequencies of 63-125-259 Hz to 25 dB. Dynamometry is 20 kg on the right and 16 kg on the left. Cold stimulus test is positive, time of hand temeperature restoration is 52 minutes. Blanching at pressure symptom is positive and equals 21. Hypesthesia of upper and lower limbs is observed and can be classified as "gloves"and "socks"polyneuritic pattern. Make the provisional diagnosis.
Correct answer	Vibration disease, II stage, caused by combined vibration
B	Vibration disease, I stage, caused by combined vibration
C	Vibration disease, I stage, caused by local vibration
D	Vibration disease, II stage, caused by local vibration
E	Vibration disease, I stage, caused by general vibration
№	krok 2015, 2013, 2012

Topic	Diseases caused by the influence of radioactive ionization
Дана Топіс на сьогодні не входить до програми професійних хвороб	A 38-year-old man works within the range of ionizing radiation. At a routine medical examination he presents no problems. In blood: RBCs - $4,5 \cdot 10^{12}/l$ , Hb- 80 g/l, WBCs $2,8 \cdot 10^9/l$ , thrombocytes - $30 \cdot 10^9/l$ . Decide if this person can work with sources of ionizing radiation:
Correct answer	Working with radioactive substances and other sources of ionizing radiation is contraindicated
B	The patient is allowed to work with radioactive substances
C	The patient can only work with radioactive substances of low activity
D	The patient can be allowed to work after an extended medical examination
E	The patient is allowed to work with radioactive substances for the limited period of time
№	krok 2014
Topic	Diseases caused by the influence of physical factors. Neurosensory hearing loss.
Task	A 51-year-old female is a weaving factory worker with 15 years of service record. During a regular preventive examination she complained of frequent headaches, poor sleep, tingling in the heart, irritability, rapid fatigability, hearing impairment. For years, the noise level has exceeded the maximum allowable concentration by 10-15 dB. A year ago, the patient underwent a course of treatment for essential hypertension. Specify the most likely diagnosis:
Correct answer	Noise disease
B	Essential hypertension
C	Neurasthenia
D	Asthenic-vegetative syndrome
E	Arteriosclerotic encephalopathy
№	krok 2014
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.
Task	Two years ago, a 46-year-old patient was diagnosed with stage I silicosis. Currently the patient complains of escalating dyspnea, pain in the infrascapular regions. Radiograph shows a diffuse enhancement and distortion of lung markings, as well as multiple nodular shadows 2-4 mm in diameter. There is interlobar pleural density on the right. Dense shadows are found in the hilar regions. Specify the form of radiographic pulmonary fibrosis in this case:
Correct answer	Nodular
B	Interstitial
C	Interstitial nodular
D	Nodal

E	Tumor-like
№	krok 2014
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	An employee of a petrol station with 15 years of service record having contact with ethylated gasoline presents with memory impairment, bradycardia, sensation of having a hair in the mouth, skin paresthesia. In this case, one can assume intoxication with the following substance:
Correct answer	Tetraethyl lead
B	Lead chloride
C	Organophosphates
D	Benzene
E	Nitrobenzene
№	krok 2014
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.
	Examination of an electric welder with 15 years of service record revealed dry rales in the lower lung fields. Radiograph shows diffuse nodules sized 3-4 mm in the middle and lower lung fields. What disease can be suspected?
Correct answer	Electric welder pneumoconiosis (mixed pneumoconiosis)
B	Silicosis
C	Silicatosiis
D	Carbon pneumoconiosis
E	Bronchitis
№	krok 2013
Topic	Expertise in occupational diseases, medical, social and occupational rehabilitation.
Task	A painter working at a motorcar plant has been diagnosed with moderately severe intoxication with amide compounds of benzene. The in-patient treatment resulted in a considerable health improvement. What expert decision should be made in this case?
Correct answer	The patient should be issued a sick list for out-patient treatment
B	The patient may get back to work providing he will keep to hygiene and
C	sanitary regulations
D	The patient should be referred to the medio-social expert commission for evaluation of percentage of work capacity loss
E	The patient should be referred to the medio-social expert commission for attributing the disability group because of an occupational disease
№	krok 2013

Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.
Task	During coal extraction in a mine the concentration of coal dust in the working area is $450 \text{ mg/m}^3$ (MPC is $10 \text{ mg/m}^3$ ). What occupational respiratory disease may develop in miners?
Correct answer	Anthracosis
B	Allergic nasopharyngitis
C	Byssinosis
D	Siderosis
E	Talcosis
№	krok 2013
Topic	Expertise in occupational diseases, medical, social and occupational rehabilitation.
Task	A 50-year-old patient has worked at a chemical plant for 15 years. His work involved using xylene solvent. The patient was hospitalized with suspected chronic intoxication. He was found to have anemic syndrome. What is the first priority measure secondary prevention of anemia?
Correct answer	Job change
B	Administration of glucocorticosteroids
C	Administration of iron supplements
D	Including seafood into the diet
E	Including meat into the diet
№	krok 2012, 2010
Topic	Diseases caused by the influence of radioactive ionization
Task	A 46-year-old patient once took part in elimination of breakdown at an atomic power plant. Currently he is being treated at an in-patient hospital. He was diagnosed with progressing vegetative insufficiency. This disease relates to the following group of ionizing radiation effects:
Correct answer	Somato-stochastic
B	Somatic
C	Genetic
D	Hormesis
E	Heterosis
№	krok 2012
Topic	Diseases caused by the influence of radioactive ionization

Дана Топіс на сьогодні не входить до програми професійних хвороб	At the radiological unit of a hospital gamma-devices of radiotherapy of "Agat" type and other closed sources of ionizing radiation are used for treatment of malignant neoplasms. What measures are to be taken to protect personnel during working with radioactive sources of such type?
Correct answer	Reduction of working time and screening of the source
B	Capsulation of devices and organization of room ventilation
C	Screening of the source and the use of means of individual protection of respiration organs
D	The increase of distance to the source and individual hygiene compliance
E	Systematical cleansing of surfaces from the radioactive contamination and shortening of working time
№	krok 2012
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	A 50-year-old locksmith has a longterm record of work under the effect of mercury vapors with concentration exceeding MPC by 5-10 times. Clinical examination revealed the lability of vasomotors of skin, pulse and arterial pressure; total hyperhydrosis; asymmetric innervation of facial and lingual muscles, positive subcortical reflexes, intention tremor. Against the background of increased emotional excitability the patient presents with lack of self-confidence, shyness. A dentist found him to have parodontosis, chronic stomatitis. What disease can be suspected?
Correct answer	Chronic mercury intoxication
B	Residual effects of neuroinfection
C	Parkinson's syndrome
D	Acute mercury intoxication
E	Vascular encephalopathy
№	krok 2012
Topic	Diseases caused by the influence of chemical factors. Occupational intoxication by benzene, amino- and nitrobenzene
Task	A 36-year-old female patient complains of bruises on the body, gingival haemorrhage, general weakness. A month ago she had a severe domestic poisoning with some pesticide (the patient can not remember the name). She has a 7year record of working in contact with petroleum products, particularly benzene. In blood: RBCs - $3,2 \cdot 10^{12}/l$ , WBCs $2,7 \cdot 10^9/l$ , thrombocytes - $70 \cdot 10^9/l$ . What is the most likely pathology?
Correct answer	Benzene intoxication
B	Organophosphorus pesticide intoxication
C	Organochlorine pesticide Intoxication .
D	Mercury-containing pesticide intoxication

E	Chronic fatigue Syndrome
№	krok 2011
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.
Task	A 43-year-old man who often contacts with ethyl gasoline was admitted to a hospital with complaints of general weakness, dizziness, memory impairment, sleepiness at daytime and insomnia at night, sensation of a hair in the mouth, colicky pains in the right subcostal region. What is the most likely diagnosis?
Correct answer	Chronic tetraethyl lead intoxication
B	Alcoholic delirium
C	Chronic mercury intoxication
D	Chronic manganese intoxication
E	Chronic lead intoxication
№	krok 2011
Topic	Diseases caused by the influence of chemical factors. Occupational intoxication with chemicals used in agricultural work
Task	After treating a field with pesticides a machine operator presents with great weakness, headache, nausea, vomiting, diarrhea, visual impairment, watery eyes. Objectively: the patient is excited, hypersalivation, hyperhidrosis, muscle fibrillation of tongue and eyelids are observed. Pupils are narrowed, there is tachycardia, lung auscultation reveals moist small and medium bubbling rales. In blood: changed level of cholinesterase activity. What is the most likely diagnosis?
Correct answer	Intoxication with organophosphorous pesticides
B	Intoxication with organochlorine pesticides
C	Intoxication with organomercurialpesticides
D	Intoxication with arsenic-containing pesticides
E	Intoxication with carbamic acid derivatives
№	krok 2011
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.
Task	A patient is 50 years old, works as a builder with 20 years of service record. He was admitted to the hospital for chest pain, dry cough, minor dyspnea. Objectively: sallow skin, acrocyanosis, asbestos warts on the hands. In lungs - rough respiration, diffuse dry rales. The x-ray picture shows intensification of pulmonary pattern, signs of pulmonary emphysema. What is the most likely diagnosis?
Correct answer	Asbestosis
B	Lung cancer
C	Pneumonia
D	Chronic obstructive bronchitis

E	Tuberculosis
№	krok 2010
Topic	Diseases caused by the influence of chemical factors.
Task	A patient who works as a nightman was diagnosed with of chronic arsenious intoxication. What form of anemia is characteristic for this disease?
Correct answer	Haemolytic anemia
B	Aplastic anemia
C	Iron deficiency anemia
D	Hyper sideric anemia
E	Normochromic anemia
№	krok 2010
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis.
Task	A patient, aged 52, works as a street cleaner. He has been suffering from pneumoconiosis for 2 years. What treatment should be recommended?
Correct answer	Alkaline inhalations
B	Glucocorticoids
C	Oil inhalations
D	Sulfonilamides
E	Antibiotics
№	krok 2010
Topic	Diseases caused by the influence of physical factors.
Task	A 40-year-old woman who has worked in weaving branch for 10 years complains of frequent headache, sleeplessness, irritability, fatigue, tiredness. Physical examination revealed instability of blood pressure, internal organs are without changes. What is the most likely diagnosis?
Correct answer	Noise-induced disease
B	Hypertension
C	Atopic bronchial asthma
D	Asthenovegetative syndrome
E	Encephalopathy
№	krok 2010
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.

Task	A 43-year-old man who often contacts with ethyl gasoline was admitted to a hospital with complaints of general weakness, dizziness, memory impairment, sleepiness at daytime and insomnia at night, sense of hair in the mouth, colicky pains in the right subcostal region. What is the most likely diagnosis?
Correct answer	Chronic tetraethyl lead intoxication
B	Alcoholic delirium
C	Chronic mercury intoxication
D	Chronic manganese intoxication
E	Chronic lead intoxication
№	krok 2010
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis
Task	A 44-year-old man has been working in coke industry for 16 years. Dust concentration at his workplace is 5-10 times higher than maximum permissible concentration. Roentgenography of lungs revealed changes that are typical for pneumoconiosis. What is the most probable type of pneumoconiosis in this case?
Correct answer	Anthraxis
B	Anthracosilicosis
C	Silicatosis
D	Asbestosis
E	Siderosis
№	krok 2010
Topic	Diseases caused by the influence of chemical factors. Intoxication with carbon oxide
Task	A driver had been fixing a car in a closed garage and afterwards complained about headache, dizziness, nausea, muscle asthenia, sleepiness. Objectively: pulse and respiratory rate elevation, excitement, hypertension, delirium of persecution. What is the most likely diagnosis?
Correct answer	Intoxication with carbon oxide
B	Intoxication with ethyl gasoline
C	Posttraumatic encephalopathy
D	Hypertensive crisis
E	Asthenovegetative syndrome
№	krok 2010
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis.

Task	Workers of a laboratory producing measuring devices (manometers, thermometers etc) complain about a mettalic taste in mouth, stomatitis, dyspepsia, sleep disturbance, unsteady walk, abrupt decrease in cardiac activity. These presentations must have been caused by the intoxication with the following substance:
Correct answer	Mercury
B	Lead
C	Manganese
D	Toluol
E	Tetraethyl lead
№	krok 2009
Topic	Diseases caused by the influence of chemical factors. Occupational intoxication with chemicals used in agricultural work
Task	A man, aged 37, working on the collective farm on sowing, was admitted to the infectious hospital with the clinical symptoms: miosis, labored breathing, sweating. What kind of poisoning is it and what is the first aid?
Correct answer	Poisoning by POC. Treatment: atropine
B	Poisoning by lead. Treatment: tetacine Calcii
C	Poisoning by the methylic alcohol. Treatment: ethylic alcohol
D	Poisoning by vapours of mercury. Treatment: unithiol
№	krok 2009, 2008
Topic	Diseases caused by the influence of chemical factors. Occupational neurotoxicosis
Task	A fitter of a metallurgic factory with occupational exposure to high concentrations of mercury fumes for 16 years presents instability of pulse and blood pressure, general hyperhydrosis, asymmetric innervations of facial muscles and tongue, positive subcortical reflexes, hand tremor on physical examination. A dentist revealed paradontosis and chronic stomatitis. What is the most probable diagnosis?
Correct answer	Chronic mercury intoxication
B	Neuroinfection
C	Parkinson syndrome
D	Acute mercury intoxication
E	Mercury encephalopathy
№	krok 2009
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis
Task	A 38 year old man worked at roofing and drain pipes production for 15 years. He seeks medical help for expiratory breathlessness on exertion, and dry cough. On exam, wheezes above both lungs, grayish warts on fingers are seen. Factory physician has diagnosed asbestosis. What method is the most important for this diagnosis?

Correct answer	Chest X-ray
B	Bronchoscopy
C	Blood gas analysis
D	Spirography
E	Electrocardiography
№	krok 2009, 2008
Topic	Diseases caused by the influence of physical factors. Vibration disease.
Task	A patient complained about problems with pain and tactile sensitivity, pain in the nail bones at the end of the working day. He works at a plant with mechanical devices. What pathology can be suspected?
Correct answer	Vibration disease
B	Caisson disease
C	Noise disease
D	Overwork symptoms
E	Hypovitaminosis of $B_1$
№	krok 2009
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis
Task	A 44 year old man has been working in coke industry for 16 years. Dust concentration at his workplace is 5-10 times more than maximum permissible concentration. Roentgenography of lungs revealed changes that are typical for pneumoconiosis. What is the most probable type of pneumoconiosis in this case?
Correct answer	Anthracosis
B	Anthracosilicosis
C	Silicatosis
D	Asbestosis
E	Siderosis
№	krok 2009
Topic	Diseases caused by the influence of chemical factors. Intoxication with carbon oxide
Task	A 42 year old man works in a boiler room. He complains about girdle headache and recurring vomiting. There was also short-term consciousness loss. Objectively: increase of tendon reflexes, spontaneous myofibrillations. AP is 150/80 mm Hg, Ps- 104 bpm. Visible mucous membranes and cutaneous surfaces have crimson colouring. What is the most probable diagnosis?
Correct answer	Poisoning with carbon monoxide
B	Poisoning with hydrocyanic acid

C	Poisoning with anilin colouring agents
D	Poisoning with methane
E	Poisoning with benzine
№	krok 2009
Topic	Diseases caused by the influence of radioactive ionization
He належить до профе	The amount of ultraviolet radiation dose was measured in minutes. What device was applied for measurement of the biodose?
Correct answer	Gorbachev's biosimeter
B	UV-meter
C	Actinometer
D	Radiometer
E	Catathermometer
№	krok 2008
Topic	Diseases caused by the influence of chemical factors. Occupational intoxication by benzene, amino- and nitrobenzene
Task	Periodical survey of a worker of a chemicals plant revealed a malignant neoplasm on the urinary bladder. This occupational disease was the most probably caused by contact with the following industrial poison:
Correct answer	Benzidine
B	Vinyl chloride
C	Nickel carbonyl
D	Asbestos
E	Arsenic
№	krok 2008
Topic	Diseases associated with physical activity and overwork certain organs and systems
Task	A 42 year old metalworker has been working at the turning machine for production of heavy large-size parts for 5 years. His work requires using of hand and pedal levers that involves considerable physical force. What means for osteoarthritis prevention should be recommended?
Correct answer	To limit physical work
B	To administer protein-and-carbohydrate diet
C	To administer protein-and-vitamin diet
D	To improve health at the Black sea coast
E	To go in for weightlifting
№	krok 2007

Topic	Diseases caused by the influence of chemical factors.
Task	An engineer-chemist at the age of 47 often falls ill with an occupational skin disease. Who makes a decision to transfer him to other job accepts?
Correct answer	DCC
B	A head physician
C	The attending physician
D	The chief of shop
E	MSEC
№	krok 2007
Topic	Diseases caused by the influence of chemical factors.
Task	An anesthesiologist gives narcosis to the patient, he uses a non-reversible contour. Anesthetic is halothane. Air temperature in the operation room is 21 <sup>0</sup> , humidity 50%, level of noise 30 dB. What occupational hazard is the principal one under these conditions?
Correct answer	Air pollution with anesthetic
B	Improper occupational microclimate
C	High level of noise
D	Mental overfatigue
E	Compelled working pose
№	krok 2007
Topic	Diseases caused by the influence of chemical factors. Occupational intoxication by benzene, amino- and nitrobenzene
Task	A patient who has been contacting with benzol for 6 years has a nonevident leukopenia, moderate reticulocytosis, gingival hemorrhage, dizziness, asthenovegetative syndrome. What a severity degree of chronic intoxication with benzol corresponds with described symptoms?
Correct answer	Minor
B	Moderate
C	Severe
D	Disease is not connected with work conditions
E	-
№	krok 2007
Topic	Diseases caused by the influence of industrial aerosols. Pneumoconiosis
Task	A worker at a porcelain factory who has been in service for 10 ( <b>18</b> ) years complains of cough, dyspnea, ache in his chest. What occupational disease are these complaints most typical for?

Correct answer	Silicosis
B	Multiple bronchiectasis
C	Exogenous allergic alveolitis
D	Occupational bronchial asthma
E	Chronic cor pulmonale
№	krok 2007
Topic	Diseases caused by the influence of physical factors.
Task	An aircraft factory processes materials with use of lasers. It is determined that the device radiates in the light spectrum and that levels of laser radiation at the workplaces exceed the alarm level. Specify, what organs will be affected in the first place?
Correct answer	Eyes
B	Skin
C	Liver
D	Spleen
E	Kidneys
№	krok 2018-2019
Topic	Common questions of occupational pathology
Task	A 42-year-old man, a dispatcher, suffers from peptic ulcer disease of the duodenum. The disease is of moderate severity. He wants to be assigned a disability group. Make the conclusion regarding his working ability:
Correct answer	Capable of working, employable
B	Capable of working, non-employable
C	First group of disability
D	Second group of disability
E	Third group of disability
№	2018-2019
Topic	Vibration disease and neurosensory hearing loss
Task	A woman has been working as a polisher for a year and a half. Her workstation is equipped with a grinding machine (grinding wheels). She complains of white discoloration of her fingers and toes that appears when she is nervous. Objectively there are no changes in the coloration of the distal segments of her limbs. Grip strength measured with a dynamometer is 25 kg, algometry findings are 0.1; 0.3; 0.5. Cold stimulus is extremely positive on the upper and lower limbs. Internal organs are without pathologies. Make the diagnosis:
Correct answer	Vibration disease

B	Raynaud disease
C	Syringomyelia
D	Raynaud syndrome
E	Polyneuritis
№	krok 2018-2019
Topic	Occupational neurotoxicosis.
Task	A 40-year-old man, a welder, uses manganese electrodes in his line of work (18years of experience).He complains of difficulties with writing, bad mood, inertness, gait abnormalities, problems with speech, and hand tremors.Objectively the following is observed in the patient : hypomimia, increased muscle tone of plastic type, and quiet monotonous speech, tremor of the tongue, pill-rolling tremor of the fingers, and retropulsion. What syndrome developed in this patient due to manganese poisoning?
Correct answer	Parkinsonism
B	Meningism
C	Hypothalamic syndrome
D	Polyneuritic syndrome
E	Vestibular syndrome
№	krok 2018-2019
Topic	Pneumoconiosis.
Task	A 43-year-oldman,acoal-faceworker with15-year-long record of work, complains of cough, thoracic pain, and dyspnea.The cough is mild, usually dry, occurs mostly in the morning. The pain is localized in the interscapular region and aggravates during a deep intake of breath. Dyspnea occurs during physical exertion. Vesicular respiration in the lungs is weakened. Heart sounds are rhythmic, heart rate is 86/min., blood pressure is 135/80mmHg. The abdomen is soft and painless. X-ray shows micronodular pulmonary fibrosis.Make the provisional diagnosis:
Correct answer	Carboconiosis
B	Byssinosis
C	Silicosis
D	Berylliosis
E	Metal pneumoconiosis
№	krok 2018-2019
Topic	Pneumoconiosis.

Task	A 38-year-old woman works in flax processing, she dries flax. She came to the hospital complaining of difficult breathing, constricting sensation in her chest, and cough attacks. These signs appear on the first day of her working week and gradually diminish on the following days. What respiratory disease is likely in this case?
Correct answer	Byssinosis
B	Silicosis
C	Allergic rhinopharyngitis
D	Bronchial asthma
E	Asthmatic bronchitis
№	krok 2018-2019, 2020
Topic	Pneumoconiosis.
Task	Employees work in conditions of high dust concentration. Certain chemical (silicon dioxide content) and physical properties of dust aerosols contribute to the development of occupational dust-induced diseases. What is the main physical property of dust aerosols?
Correct answer	Dispersion
B	Magnetization
C	Electriccharge
D	Solubility
E	Ionization
№	krok 2018-2019, 2020
Topic	Occupational neurotoxicosis.
Task	A 39-year-old man, a battery attendant, suddenly developed weakness, loss of appetite, nonlocalized colicky abdominal pains, and nausea. Objectively his skin is gray; there is a pink-gray stripe on his gums; the stomach is soft and sharply painful. Blood test detected erythrocytes with basophilic stippling and anemia. The patient has a history of peptic ulcer disease of the stomach. Constipation tends to occur every 3-4 days. What is the most likely provisional diagnosis?
Correct answer	Saturnism (lead poisoning)
B	Acute appendicitis
C	Perforation of gastric ulcer
D	Acute cholecystitis
E	Chronic alcoholism
№	krok 2018-2019
Topic	Common questions of occupational pathology

Task	In the process of hiring, a prospective employee has undergone preventive medical examination and was declared fit to work in this manufacturing environment. What type of preventive medical examination was it?
Correct answer	Preliminary
B	Scheduled
C	Periodical
D	Specific
E	Comprehensive
№	krok 2020
Topic	Vibration disease and neurosensory hearing loss
Task	40% of the workers, who polish the art glass, using an abrasive disk, and have a long record of employment, are diagnosed with ulnar neuritis, 21% -with vegetative polyneuritis, and 12% - with vegetomyofascitis of the upper limbs. These pathologies are associated with the following harmful factor:
Correct answer	Vibration
B	Dust
C	Microclimate
D	Noise
E	Electromagnetic field
№	krok 2020
Topic	Occupational diseases associated with overstrain of some organs and systems
Task	A 28-year- old man, a teacher, after an emotional stress developed painful muscle spasms in his right hand that occur during writing; now he has to hold the pen between the second and third fingers. He has no problems with typing or writing on the blackboard; no other motor disturbances or neurological pathologies are detected. What is the most likely diagnosis?
Correct answer	Writers cramp
B	Neuropathy of the right ulnar nerve
C	Neuropathy of the right radial nerve
D	Cortical agraphia
E	Parkinsonism