

OCCUPATIONAL DISEASES

№	TOPIC	
TOPIC №1. OCCUPATIONAL DISEASES: INTRODUCTION		
1	Occupational hazards: definition, classification. Recommended exposure limits, threshold level. Relations between dose of occupational hazards and response of organism.	1
2	Occupational diseases: definition and characteristics. Specificity of the diagnosis of the occupational diseases. Confirming and quantifying exposure.	2
3	Surveillance of worker's health: types and the main purpose of health examinations. Early detection of occupational diseases. Treatment of occupational diseases. The common principles of prevention of occupational diseases: types, purpose, methods. Compensation for occupational diseases.	2
TOPIC №2 OCCUPATIONAL DUST DISEASES		
1	Classification of dust. Etiology of pneumoconiosis. Pathogenesis of pneumoconiosis. Roentgenological picture of the basic sign of pneumoconiosis. Clinical stages and symptoms of pneumoconiosis. Classification of pneumoconiosis. Diagnostics of pneumoconiosis. Treatment and prevention of pneumoconiosis. Tell us about social and vocational rehabilitation of pneumoconiosis. Etiology and risk factor of chronic dust bronchitis. Pathogenesis of chronic dust bronchitis. Clinical stages of chronic dust bronchitis. Treatment and prevention of chronic dust bronchitis. Tell us about Social and vocational rehabilitation of chronic dust bronchitis.	2,5
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TOPIC №3 ALLERGIC OCCUPATIONAL DISEASES		
1	Etiology of occupational asthma. Pathogenesis of occupational asthma. Clinical picture of occupational asthma. Diagnostics of occupational asthma. Treatment of occupational asthma. Social and vocational rehabilitation and prevention of occupational asthma. Allergic occupational diseases.	2
2	Occupational allergic rhinitis: etiology, pathogenesis, clinical picture, diagnostics. Occupational allergic rhinitis: treatment, social and vocational rehabilitation, prevention. Occupational contact dermatitis: diagnostics, treatment. Occupational contact dermatitis: etiology, pathogenesis, clinical picture. Contact urticaria. Occupational contact eczema. Toxicoderma..	3
TOPIC №4 PHYSICAL HAZARDS AND OCCUPATIONAL DISEASES CAUSED BY OVEREXERTION THE ORGANS AND SYSTEMS		
1	Influence of vibration. Clinical effects of whole-body vibration. Hand-arm vibration syndrome. Classification, diagnosis, objective tests and diagnostic procedures, differential diagnosis, management, treatment, and prevention of hand-arm vibration syndrome.	1.5
2	Influence of noise (pathogenesis, clinical presentation, diagnostics,	1.5

	treatment, prevention). Occupational diseases caused by functional overexertion. Occupational diseases of medical workers	
3	Occupational overuse syndrome: Housemaid's knee or prepatellar bursitis; Tennis elbow; Repetitive strain injury ("RSI"), Writer's cramp; Low back pain and shoulder-neck pain. Diseases of vocal cords (singer's nodules; chronic laryngitis). Diseases of organ of vision (aesthenopia; computer vision syndrome; progressive myopia). Diseases of vessels (varicose veins dilatation)	1
4	Occupational diseases of medical workers	1
TOPIC №5	CHEMICAL HAZARDS	5
1	Industrial poisons: causes of industrial poisoning, route. Basic principles of diagnostics and treatment of acute and chronic industrial poisoning. Etiology of lead poisoning	1
2	Pathogenesis of lead poisoning. Clinical picture of lead poisoning. Haematological syndrome in the lead poisoning. Gastrointestinal syndrome in the lead poisoning. Neurologic syndrome in the lead poisoning. Diagnostics of lead poisoning. Treatment and prevention of lead poisoning. Social and vocational rehabilitation of lead poisoning.	1
3	Etiology and pathogenesis of mercury poisoning. Clinical stages of mercury poisoning. Treatment and social and vocational rehabilitation of mercury poisoning.	1
4	Etiology and pathogenesis of aromatic hydrocarbons poisoning. Clinical stages of benzene poisoning. Treatment and social and vocational rehabilitation of benzene poisoning.	1
5	Etiology and pathogenesis of organochlorine poisoning. Clinical picture, treatment and social and vocational rehabilitation of organochlorine poisoning. Etiology and pathogenesis of organophosphates poisoning. Clinical picture, treatment and social and vocational rehabilitation of organophosphates poisoning. Acute and chronic industrial poisoning: CO, carbon bisulphide and others.	1

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