

THEMATIC PLAN OF PRACTICAL CLASSES
for "Occupational diseases" cycle
for the 5th year students of the Faculty for training for foreign countries
9 semester

1. Introduction to the clinic of occupational diseases. Professional pathology as a clinical discipline. Organization of occupational pathology service in the Republic of Belarus.

- 1.1 Introduction to the clinic of occupational diseases
- 1.2 The history of occupational pathology
- 1.3 Prevalence of occupational diseases
- 1.4 Main committees and strategy for safety and health
- 1.5 Definition of Occupational Pathology, its main objectives
- 1.6 Classification of occupational diseases
- 1.7 General criteria for identification and recognition of OD
- 1.8 The ILO List of Occupational Diseases
- 1.9 Management of Occupational Diseases in Republic of Belarus
- 1.10 Main regulatory documents of the Republic of Belarus about Professional Pathology

2. Occupational diseases from exposure to industrial dust.

- 2.1 Classification of industrial dust.
- 2.2 Pneumoconioses: definition, epidemiology, pathogenesis, types of pneumoconioses.
- 2.3 Main symptoms, principles of diagnosis, general treatment, limitation of work-related exposure to dusts
- 2.4 Asbestosis: definition, clinics, diagnostics, treatment.
- 2.5 Silicosis: definition, clinics, diagnostics, treatment, complications.
- 2.6 Coal worker pneumoconiosis: definition, clinics, diagnostics, treatment.
- 2.7 Chronic dust bronchitis: definition, clinics, diagnostics, treatment.
- 2.8 Chronic occupational obstructive pulmonary disease (COPD): clinics, diagnostics, treatment.

3. Exogenous allergic alveolitis and occupational bronchial asthma.

- 3.1 Occupational exogenous alveolitis (OEA) or hypersensitivity pneumonitis (HP): etiology, pathogenesis, pathology, etiological classification of OEA.
- 3.2 Clinical presentation, diagnosis, treatment, working capacity examination of OEA.
- 3.3 Occupational bronchial asthma: etiology, pathogenesis, pathology, classification.
- 3.4 Clinical presentation, diagnosis, treatment.
- 3.5 Global initiative for asthma (GINA).

4. Occupational diseases from exposure to physical factors.

- 4.1 Vibration disease (VD): definition, types of vibration, classification of VD.

- 4.2 Pathogenesis, clinical syndromes, stages of VD.
- 4.3 Diagnostics, treatment, prophylaxis of VD.
- 4.4 Sensorineural hearing loss (HL): definition, pathogenesis, classification of HL.
- 4.5 Clinical syndromes of HL.
- 4.6 Diagnostics, treatment, prophylaxis of HL.
- 4.7 Decompression sickness: definition, pathogenesis, clinical syndromes, diagnostics, treatment, prophylaxis.

5. Occupational diseases by chemical agents.

- 5.1 General questions of occupational intoxication (absorption, excretion, difference between acute toxicity and chronic toxicity, principles of treatment).
- 5.2 Occupational intoxication with carbon monoxide.
- 5.3 Occupational intoxication with lead.
- 5.4 Occupational intoxication with benzol.
- 5.5 Occupational intoxication with mercury.

Head of Department

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