

## OCCUPATIONAL COPD: MODERN APPROACHES TO MANAGEMENT

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### *Abstract*

COPD is one of the most common diseases in the structure of occupational pathology in Ukraine, caused by the impact of the work environment factors: organic and inorganic dusts, aerosols, toxic and irritating substances. More than 80 % of newly diagnosed cases of occupational COPD in Ukraine is registered in underground coal miners. Standardized approaches to COPD control, its diagnosis, treatment and prevention are summarized in the new edition of GOLD 2016.

COPD results from a gene-environment interaction. Risk factors for COPD are related to environmental exposure (including work-related factors) as well as genetic predisposition. Risk assessment of the impact of etiological factors, as well as the search for biomarkers of genetic predisposition open new possibilities for COPD primary prevention.

A historical aspects of COPD research, data on epidemiology, etiology, pathogenesis of the disease and treatment options are presented in current review.

**Key words:** chronic obstructive pulmonary disease occupational etiology, control of the disease.

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