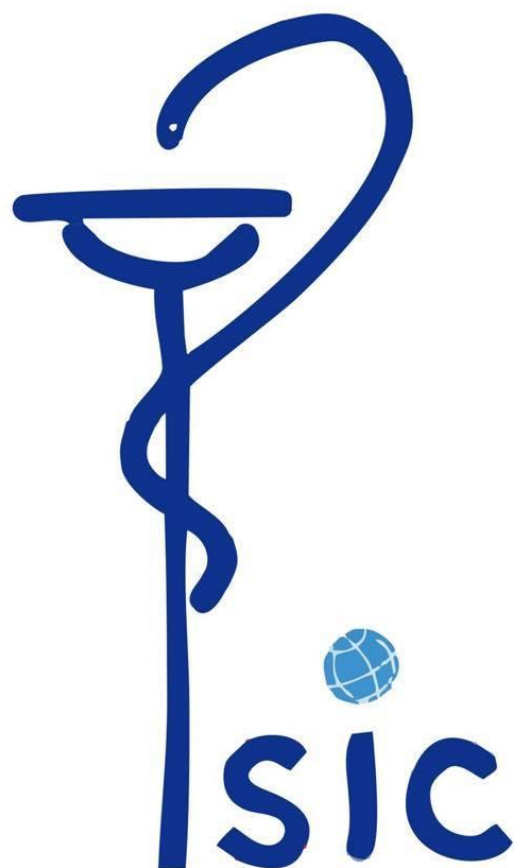




***IXth International Interdisciplinary  
Scientific Conference of Young  
Scientists and medical students  
«Actual problems of clinical and  
theoretical medicine»***

*(International Scientific Interdisciplinary Conference – ISIC)*

*Kharkiv National Medical University - 2016*



***Abstract Book Of 19<sup>th</sup> International  
Interdisciplinary Scientific Conference Of  
Young Scientists And Medical Students***

***«Actual Problems Of Clinical And  
Theoretical Medicine»***



**Melenevych A. Ya.**

## **DIAGNOSTIC AND PROGNOSTIC ROLE OF MARKERS OF IMMUNE INFLAMMATION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN COMBINATION WITH HYPERTENSION**

**Research advisor: Kapustnyk V.A., Doctor of Medical Science  
Department of internal and occupational diseases, Kharkiv  
National Medical University, Kharkiv, Ukraine**

**Actuality.** Currently 210 million people have chronic obstructive pulmonary disease (COPD) and it is predicted to become the third leading cause of death worldwide by 2030. In 2008, worldwide, approximately 40% of adults aged 25 and above had been diagnosed with hypertension.

**Materials and methods** We have analyzed the most significant factors associated with increased cardiovascular risk in patients with COPD. Clinical and epidemiological observations indicate that COPD patients are more susceptible to acute cardiovascular events, and about 30% die of CVD (Corbi G., Bianco A., Turchiarelli V. et al., 2013). Some of this increase in risk is likely to come from shared factors, such as smoking, elderly age, decrease in physical activity, but chronic systemic inflammation could be pivotal.

**Results.** Systemic inflammation is potentially the common pathway leading to the high prevalence of multiple chronic diseases in the same patient. The chronicity of the inflammatory state is promoted by

the production of several pro-inflammatory cytokines that increase in serum and in secretions of CVD and COPD patients. Cytokines play a key role in orchestrating chronic inflammation, and over 50 cytokines have now been identified in COPD, but their roles in its complex pathophysiology are still unclear. Cytokines work in complex interacting networks, and there is often redundancy in their functions (Barnes P.J., 2009). Hypertension is related to the increased systemic inflammation observed in COPD and is correlated with higher Medical Research Council dyspnea scores, reduced capacity for physical activity and airflow obstruction (Hillas G., Perlikos F., Tsiligianni I. et al., 2015).

**Conclusion.** The interrelationships between different cytokines are currently very poorly understood. Future prospective studies should investigate if these markers will give important prognostic information in relation to disease progression and severity in COPD.



THE LIPID AND CARBOHYDRATE PROFILE IN PATIENTS WITH POSTINFARCTION CARDIOSCLEROSIS, TYPE 2 DIABETES AND OBESITY IN 6 MONTHS AND 1 YEAR AFTER MYOCARDIAL REVASCULARIZATION .....	332
MAYOROVA MARGARITA, KOVALYOVA YULIA, SHELEST BORIS .....	333
SMOKING AS RISK FACTOR AT PATIENTS WITH THE COMBINED COURSE OF ARTERIAL HYPERTENSION AND DIABETES 2 TYPES .....	333
MEDYANIK E.A., MASLOVA E.S. ....	334
ANALYSIS OF PROGNOSTIC FACTORS FOR EARLY MYOCARDIAL INFARCTION .....	334
MELENEVYCH A. YA. ....	335
IMPLICATION OF INTERLEUKIN-18 IN THE PATHOGENESIS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN COMBINATION WITH HYPERTENSION.....	335
MELENEVYCH A. YA. ....	337
DIAGNOSTIC AND PROGNOSTIC ROLE OF MARKERS OF IMMUNE INFLAMMATION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE IN COMBINATION WITH HYPERTENSION.....	337
MYKHAILIUK NATALIA VALERIIVNA .....	338
APPLYING OF CARDIAC SHOCK-WAVE THERAPY IN THE PATIENTS WITH A STABLE ANGINA PECTORIS II-III FC .....	338
MINUKHINA D.V., GABISONIYA T.N, SHAPIRKO E.A. ....	339
PATHOGENETIC VALUE OF VISFATIN AND ADIPONECTIN IN PATIENTS WITH STABLE ANGINA AND OBESITY .....	339
MOLOTYAGIN DMITRY, MIRONCHENKO ANASTASIA, SUKHOMLYN MYKOLA .....	340
CLINICO-EPIDEMIOLOGICAL AND DIAGNOSTICAL ASPECTS OF THE OLLIER DISEASE.....	340
MOVCHAN Y.O., YAKYMENKO D.S.....	341