



# **ABSTRACT BOOK**



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# THERAPY



**INTERNATIONAL SCIENTIFIC  
INTERDISCIPLINARY  
CONGRESS**

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## **TREATMENT OF DYSMETABOLIC CHANGES IN THE MYOCARDIUM IN PRACTICE OF THERAPEUTIC**

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**Introduction.** Dysmetabolic changes in the myocardium lead to a decrease in the contractile functional capacity of the heart. These disorders can cause severe myocardial dystrophy, heart failure without changes in the coronary vessels that are characteristic of ischemic disease.

**Materials and methods.** To study modern methods of treatment of dismetabolic changes in the myocardium, to prevent their transformation into angina and IHD. Analysis and study of scientific methodological literature on the treatment of dysmetabolic changes in the myocardium

**Results of research.** The main cause of dysmetabolic changes in the myocardium is considered to be circulatory disturbance, because of which, the volume of oxygen, microelements and vitamins does not reach the heart.

The main component of therapy is the stabilization of cardiac conduction and rhythm. To this end, drug treatment should improve the internal composition of cardiomyocytes and compensate for their energy needs, and also by regulating nerve impulses to act on the cells. Normalization of blood flow is achieved with drugs that relieve spasms of the coronary vessels and eliminate swelling of arterial walls. Thus, therapy includes enzymatic preparations, vitamin complexes from B1, B2, pantothenic and lipoic acids; Antioxidants (vitamins E and PP). To fill the deficit of intracellular potassium - drugs containing potassium salts ("Panangin", "Trompagin", potassium chloride); Group of nootropes for the restoration of nervous regulation and enhancement of repair in the myocardium.

All patients with these disorders are shown sanatorium treatment.

**Conclusions.** Dysmetabolic changes in the myocardium lead to a violation of the biochemical composition of cardiomyocytes. To compensate for these violations, energy-saving drugs are used. Also appointed micronutrients, vitamins and physiotherapy.

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## **MODERN APPROACHES FOR THE MANAGEMENT OF LUNG CANCER**

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**Introduction.** Lung cancer and smoking often, but not always, go hand in hand. DNA mutations are caused not only by the puff of a cigarette, but also by various other factors namely: breathing fibers of asbestos, air pollution, radiation exposure, industrial substances, and to radon gas exposure. Still, smoking is the principal cause of lung cancer contributing 85 per cent among all types. Overall, the chance of a man

developing lung cancer in his lifetime ranges about 1 in 14; whereas for a woman, it is about 1 in 17, which includes both smokers and non-smokers. Statistics show lung cancer rate has been receding among men as compared in women over the few decades.

**Materials and methods.** If lung cancer is detected due to a screening procedure (CT, MRI or PET scan), a biopsy is performed to confirm the diagnosis. Surgeries are done, where procedures to remove lung cancer include: Wedge resection, Segmental resection, Lobectomy & Pneumonectomy. Lung cancer can be additionally managed via chemotherapy, radiation, or targeted treatments

**Results of research.** Advances in CT technology have allowed use of newfangled methods for the determination of lung cancers which categories: nodule volumetry, nodule perfusion analysis, dual-energy applications and computer-aided detection. The volumetric analysis is used to prognosticate response of tumor to treatment. Some promising, tenacious percutaneous techniques for palliation of lung cancer and other lung malignancies have emerged, which include techniques such as cryoablation (a technique which includes a minimal percutaneous invasion technique for management of non-surgical treatment of lung tumors); microwave ablation (a technique which involves microwaves and electromagnetic waves 300MHz-500MGz to treat lung malignancies); and radiofrequency ablation (in this technique electrodes are placed in tissue to mainly cause focal destruction using heat, which is ideal for pulmonary lesions).

Proponents of medical marijuana, cannabis advocate their possibilities for palliative cancer management. Also, the levels of intercellular adhesion molecule 1 (ICAM-1) – participating in fighting the invasion and spread of cancerous cells of in pulmonary carcinoma – have been known to be increased by Cannabinoids.

**Conclusions.** Let’s support the fighters, admire survivors, honor the taken and never ever give up hope, making lung cancer and anxiety, someday a thing of the past.

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**THE ROLE OF ARTERIAL HYPERTENSION IN THE DEVELOPMENT OF VASCULAR DEMENTIA**

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**Introduction.** Vascular dementia (VD) is one of the most pressing problems of modern clinical medicine. The importance of this issue, primarily caused by a significant increase in the number of persons of elderly and senile age, among whom the prevalence of dementia is particularly high.

**Materials and methods.** 3735 persons aged 45 to 50 years participated in the study, which shows the relationship between the level of blood pressure (BP) in middle age and cognitive function in later life for three decades.

**Results of research.** It was found that high systolic blood pressure in mid-life is directly correlated with the risk of cognitive dysfunction in the elderly. Increase in systolic blood pressure per 10 mm of mercury. Article increased risk for mild cognitive impairment 7% severe - 9%. Upon further analysis revealed that the risk of dementia

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