

**CHEMISTRY - MEDICINE AND MEDICINE INTEGRATION - A CURRENT
SCIENTIFIC ISSUE (EPIDEMIOLOGICAL INVESTIGATIONS)**

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Our long-term epidemiological monitoring studies have shown that if we can overcome not only bacteria-viruses, but also environmental-epidemiological risk factors (XO) as the cause of diseases, we can eliminate or overcome diseases.

In different years, 20-59-year-old male population was involved in the epidemiological research, and 800 individuals were analyzed and studied in the conditions of the valley.

It became known that the pathogenic effects of environmental and epidemiological risk factors are manifested depending on the activity of the gastrointestinal system. Multifactorial deficiency (electrolytes, minerals, nutritional disorders) plays a key role in the pathogenesis of ischemic heart disease (IHD). For example, in the case of disorders of the pancreas, the early formation, accumulation and exacerbation of CKD occurs. It was confirmed in our investigations that there is a strong connection between lipid metabolism disorders and amylolytic activity: • it was found that the activity of pancreatic lipase in the blood serum is statistically reliably suppressed by hypertriglyceridemia, smoking, alcohol consumption, and the correlation with amylolytic activity - by hypercholesterolemia, smoking, and excess body weight; • Different forms of IUD are formed directly depending on lipolytic and amylolytic activity in blood serum; • among pancreatic enzymes, amylase is more sensitive to pesticides than lipase; • amylolytic activity of blood serum decreases statistically reliably under the influence of GXTsG - gamma - organochlorine pesticides.

In general, disruption of the homeostasis of pancreatic enzymes directly leads to the early accumulation of the risk factors of UIC and the development of the disease.

Application of folk medicine treatment methods in this direction and creation of pharmacotherapeutic treatment and prophylactic means, including by means of chemical synthesis, taking into account the obtained results, is considered a promising and urgent scientific issue.