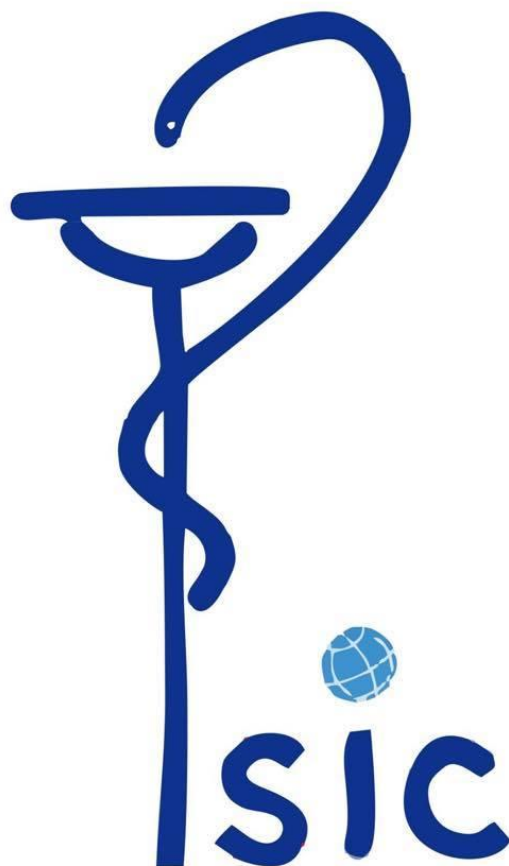




***IXth International Interdisciplinary
Scientific Conference of Young
Scientists and medical students
«Actual problems of clinical and
theoretical medicine»***

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



nmol/l, experiment -1,51 nmol/l). The level of testosterone is lowered in females (control -1,89 nmol/l, experiment - 0,98 nmol/l), in males is increased (control - 5,47 nmol/l, experiment - 6,32 nmol/l), Such deviations of sex hormones concentration are insignificant and characterize the distribution under reaction rates of population's endocrine state.

Conclusions.

1. Animals that prenatally have suffered the impact of electromagnetic radiation have the increased level of corticosterone, especially in males.
2. These features may indicate the activation of the stress-organized structures affecting function systems hypophysis-adrenal glands, hypophysis-gonads.

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INNOVATIVE BIO-TECHNOLOGICAL DEVELOPMENTS OF UKRAINIAN SCIENTISTS IN THE AREA OF PROBIOTICS

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Actuality. Malnutritional diet, the use of antibiotics, stresses – all is detrimental to our health. Nowadays, therapeutic and prophylactic use of probiotics is common in the world. Probiotics – are medicinal preparations based on representatives of normal human intestinal microflora.

Aim. To analyze the feasibility and benefits of the use of modern recombinant probiotic Subalin for pharmacological treatment of intestinal dysbiosis.

Materials and methods. Current literature concerning the analysis of the data representing an innovative generation of probiotics V Subalin obtained via genetical engineering by Ukrainian scientists.

Results. The recombinant probiotic generation V - Subalin, is

comprised of live bacteria, obtained through the means of genetic engineering by a group of Ukrainian scientists on the basis of the strain *Bifidobacterium subtilis*. *Bifidobacterium subtilis* are widespread in nature and, in food (bread and milk), water, air. It inhibits the growth of pathogenic and conditionally pathogenic flora, creates favorable conditions for the normalization of the qualitative and quantitative composition of intestinal microflora (*bifidobacteria*, *lactobacilli*, *escherichia coli*). *Bifidobacterium subtilis* exists in the spore state, so it allows you to use the drug in conjunction with antibacterial drugs. Resistant to aggressive gastrointestinal tract. It promotes the development of alpha interferon - antiviral and



immunomodulatory effects. Subalin helps normalize microflora, prevents and cures dysbiosis in patients receiving antibacterial agents, reduces the level of endogenous intoxication, improves the body's resistance to viral infections. Shows polytropic therapeutic effects (immunomodulating, antibacterial, antiviral, antitumor). Use in treatment: viral hepatitis A, B, C, bacterial and viral - bacterial

meningoencephalitis, intestinal dysbiosis.

Conclusions. Subalin – is the medication without counterparts, which is composed of *Bifidobacterium subtilis*, and has been in coexistence with a man for millions of years. 2. Polytropic therapeutic effect increases the effectiveness of treatment and helps to avoid polypharmacy in pharmacotherapy dysbiosis.

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STUDY OF THE INFLUENCE OF PHARMACEUTICAL FACTORS IN THE DEVELOPMENT OF DENTAL FUNDS – LIQUID EXTRACT OF BURNET

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Actuality. For the treatment of inflammatory diseases of the oral cavity, justified is the use of herbal remedies, among which the share of liquid extracts is negligible. In the aspect of the specified relevant are studies on the creation of a new product for dentistry, namely, liquid extract of Burnet.

Objective: to determine the microbiological screening of the influence of auxiliary substances (extractant), pharmaceutical as an important factor in creating dental tools – liquid extract of Burnet.

Materials and methods study. Objects of research: Burnet rhizomes and roots, model samples of liquid extracts, which are made on

30% - 70% ethanol and the appropriate concentration of solvent.

Microbiological study was carried out microbiological method of diffusion in agar on the basis of the laboratory of biochemistry and biotechnology SI "Mechnikov Institute of Microbiology and immunology of National Academy of Medical Sciences of Ukraine".

The cultures of microorganisms from American typical collection were used as test-strains of cultures: *S. aureus* ATCC 25923, *E. coli* ATCC 25922, *P. aeruginosa* ATCC 27853, *B. subtilis* ATCC 6633, *P. vulgaris* ATCC 4636, *C. albicans* ATCC 885-653.



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