

elevated levels of natural antibodies and liver-derived acute phase proteins.

Much has been learned about the regulation of cell activation, growth and function from immunological studies. Burnet's clonal selection theory designates antigen as the sole immune activator. Bretcher and Cohn recognized first that at least 2 signals are required. This was followed by numerous studies on cell-to-cell interaction within the immune system and led to our current understanding of the importance of cell adhesion molecules and cytokines in cell activation and proliferation. This, coupled with the available information about the mechanisms of action of hormones and neurotransmitters, and of signal transduction and nuclear regulatory pathways paves the way to understanding how higher organisms function in their entire complexity. It is now apparent that the Nervous- Endocrine- and Immune-systems form a systemic regulatory network, which is capable of regulating all aspects of bodily functions in health and disease. This provides new foundations for Biology.

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OCCUPATIONAL DISEASES OF THE SKIN IN CLINIC DERMATOVENEROLOGY

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The purpose of research was definition of prevalence of various forms of skin diseases, revealing of their communication with a trade, studying of structure professional dermatosis in Kursk and Kursk area.

Medical cards of 2108 patients who are taking place on the account in Kursk a regional clinical dermatovenerologic clinic and Kursk the center of professional pathologies during the period with 2003 on 2006 years are analysed. From the general number of patients the diagnosis eczema is put 462 surveyed (22 %), including 3 patients with the diagnosis professional eczema according to the Kursk center of professional pathologies. During research two groups have been generated: working - 201 patient (44 %) and not working (children, students, pensioners) - 261 person (56 %). Among working men have made 82 % (165 patients), women - 18 % (36 person). Disease eczema is marked in the most able-bodied socially active age - from 25 till 50 years. On nosological the group working with the diagnosis eczema is submitted to the form widespread - 92 patients (45,7 %), microbic - 72 (35,8 %), paratraumatic - 22 (10,9 %) and fungoid eczema - 15 person (7,6%). From 92 patients with the diagnosis widespread eczema among working, professional eczema makes 3,26% - 3 patients with trades: the senior

leaser of spinning shop, the mason, the mechanic. Surveyed during the labour activity contacted to synthetic fibres for which processing used 30 % an acetic acid, spirit; for washing - antistatic; the laying of a brick, unloading of building materials was carried out; contact to a dust of the mixed structure (cement, quartz, chrome, wood); restoration of details pitches under 3 category of harmful works and on sharpening welding seams by abrasive circle by dry way. The experience of work of patients in adverse working conditions is more than 17 years.

Conclusions: high prevalence eczema - 22 % (462 patients) from all skin diseases is established; among the working population eczema 44 % (201) suffer; professional eczema has made 3,26 % from 92 patients with the diagnosis widespread eczema; disease is marked at able-bodied socially active age of 25-50 years; the experience of work in adverse working conditions is more than 17 years; low detectability is connected to absence in inspection of the sick analysis of labour activity and factors of manufacture.

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PHENIBUT AND ITS DERIVATES INFLUENCE TO THE CELL SECTION OF THE IMMUNE RESPONSE IN THE IMMUNE DEFICIT

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There is a great number of the facts, indicating at the close integration of the central nervous system, its coordination infringement is playing the important role in the development as the neuromental, as the immune disorganize. The great importance is been attaching to the reseaches, touching on the influence of the psychopharmacological medicine at the immune status parameter. In this research we have made the studying of the phenibut and its derivates influence laboratory code RGPU-149, RGPU-150 and RGPU-151 at the organizing of the reaction hypersensitivity of the delayed-model (RHDT) with the experimental immune deficit.

The research has been made with 60 mice of the line CBA mass 18 - 20 g. The animals were distributed on the groups (n = 10); control № 1 - the immunizing animals, receiving phys. solution; control № 2 - immunizing animals with the immunedeficit model (cyclophosphamid (CPh) in the doze 100 mg/kg); experienced groups - the immunizing animals with the immune depression, receiving phenibut inside - intraperitoneal in the therapeutic doze 25 mg/kg and