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VEGETATIVE HOMEOSTASIS IN COMPARISON WITH CYTOKINIAUS PRODUCTION AT PATIENTS WITH EROSIVE-ULCEROUS DISEASES ASSOCIATED WITH UNDIFFERENTIATED DYSPLASIA OF THE CONNECTIVE TISSUE

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The vegetative nervous system's (VNS) participation in realization of centrally caused changes of immune reactions intensity with undifferenti-ated dysplasia of the connective tissue (UDCT) has not been studied.

The aim: to study changes of cardiac rate's variability indices with cytokinaus production at patients with erosive-ulcerous diseases of gastroduodenaus zones with UDCT.

IL production was diagnosed by 71 patients with ulcer and erosive gastroduodenaus (age 22,4±3,6 year), using method of firmly-phase Immune Fermental Analysis (IFA) with help of tests - systems «Proteinovi Contour» PLC (St.-Pb.). The cluster of comparison was formed 31 patients with symptoms of dysmophogenesis.

Parasympathetic influences' predominance, attended by increase of level of physiological system's functioning (, 7 p =, 005) was adequate stimulus for inclusion immunocompetent cells proinflammatory cytokinaus programm. So, capacity in high frequencies's (HF) range was correlated with IL-2 and IL-6 (, 8 p =, 01) production. Also, capacity in high frequencies's (HF) range was correlated with IL-8 production, but it is doubtful.

Superfluous character of IL-2 and IFNγ production with predominance of immune response Th1-type by patients with symptoms dysmophogenesis was led to deterioration of functional organism's condition. IFN production was increased at decrease of adaptable organism' reserves (-, 47 p =, 09) and at reduction of reactance of parasympathetic department of VNS (it was studied with help of $factor_{30:15}$ as most physiologically grounded).

Prevalence of sympathetic influences (LF), which correlated with IL-10 production (, 7519 p =, 019) and synerged with IL-5 production (return negative strong connection with HF =-, 7 p =, 03) was on the contrary observed with increase UDCT's intensity. The level of arterial blood pressure, regarded as activation of sympathetic department of nervous system, was comparable with reducing level IL-2 (-, 9 p =, 004).

High level TNF-a, keeping during unstable remission, was adequately connected to increase LF/HF, which reflect shift of balance of departments VNS aside sympathetic prevalence (-, 5 p =, 03) and decrease of activity oversegmental mechanisms of ergotropism orientation, i.e. capacity's increase VLF (-, 3 p =, 04).

The data point to undoubtedly integration of immune and vegetative nervous systems, proving to be true by dynamic of cytokines' levels with formation immunopathology answer at UDCT' patients.

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