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Method of usage of combination of medicines for correction of the arterial-venous-liquor disbalance

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Way of usage of the combination of medicines provides with an individual approach to the correction of the cerebral and systemic hemodynamics of a certain patient, instrumental control of the process of the arterial-venous-liquor balance correction of every patient.

The following hemodynamic parameters are proposed: level of deficiency of the arterial blood flow, state of the pumping function of the myocardium, state of elastic - tonic properties of the vascular wall in an artery and a vein, hydrodynamic level of the intra-organ pressure, presence of the pathological arteriovenous shunting.

For performing the hemodynamic correction it is used the principle of the pathogenetic appropriateness of the medicine influence of a certain medicinal preparation on a certain sections in the disturbed hemodynamic parameters with the following modelling of the immediate influence on the provoked area.

Depending on the peculiarities of the hemodynamic system: heart - arteries - capillaries - veins - heart and the knowledge of laws of hydro-hemodynamics, physical - chemical compatibility of medicines, a scheme of the integrated application of medical drugs is formed for an individual correction of the exposed polyvector hemodynamic disturbances in the arterial-venous -liquor balance.

Knowledge of hydro-hemodynamics laws and synergy of usage of medicines' combination used for the cerebral hemodynamic correction requires influence on several provoked hemodynamic sections immediately at one moment. As there are not any vasoactive remedies for some sections of the hemodynamic system one should use a combination of medicines.

Performing acute pharmacological tests one should chose an appropriate controlling method of the hemodynamic condition that provides

with a test of the correctness of dose of the chosen combination and controls the efficiency of results under control of USDG of arteries and veins of the brain, capillaroscopy.

Our experience of using combinations of medications has shown that there is a close synergistic relationship. These studies require further development with emphasis on chemical compatibility of medicines and investigation of chemical properties of drugs' combinations that retain their pharmacodynamic properties, even in complex mixtures.