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## Adaptive hypothesis of system ozone therapy or why the ozone shifts always physiological and biochemical parameters of the organism towards the standard level? [abstract]

Eugene Nazarov

Scientific Department of Econika Biomedical Engineering, Odessa, Ukraine

### ABSTRACT

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##### Author Information

ozoneinfo@yahoo.com

**Introduction:** The ozone as pharmacological factor could be characterized as a substance with an extremely broad range of physiological activity and an extremely high efficacy.

Another distinctive feature is an invariable normalizing effect on physiological and biochemical parameters of organism (higher values are decreased, reduced values are increased); this feature is uncommon for pharmacotherapy.

Under the adaptive hypothesis the ozone is a signal factor which initiates the transition of the adaptive system to one of certain states; a considerable part of ozone system effects (immunotropic, vasodilator, anti-inflammatory and others) result from the change of hormonal status of organism.

**Material and Methods:** For verification of this hypothesis we have evaluated the state of the organism adaptive system of 24 conditionally healthy volunteers at the age between 20 and 80 years.

**Results:** On basis of received data a mathematical model has been developed. It was established that this model prognosticates satisfactorily the patient's age under the data of leukoformula and / or psychosomatic testing. The soft O3 Navigator was used for state monitoring of patients suffering from deceases of various aetiology during of 85 courses of ozone therapy. All patients received a standard course of autohemotherapy major every two days. We have shown that the ozone therapy provokes a sharp and typical evolution of blood leukoformula.

**Conclusions:** On the basis of received data a new tactic of system ozone therapy is proposed.