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## Estimation of the state of the hemostasis system in patients with tubercular infection by the method of low-frequency vibration piezoelectric hemocoagulography

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**Abstract:** **【Objective】** To estimate the state of the hemostasis system in patients with tuberculosis by the method of Low-Frequency Vibration Piezoelectric Homocoagulography [LPHC]. **【Methods】** The state of the hemostasis system in patients with tuberculosis was evaluated with the aid of the analyzer of the blood rheological properties ARP- 01"Mednord" as well as by the use of a standard complex of laboratory coagulation tests. The indices characterizing the initial stages of the blood coagulation, the intensity of thrombin formation and fibrin polymerization was evaluated by the LPHC method as well as the indices, which characterize the intensity of the clot retraction and fibrinolytic activity. **【Results】** The comparative analysis of the state of the hemostasis system with the use of a standard coagulogram and LPHC express method in patients with tuberculosis revealed the presence of the processes of the moderate hyper-coagulation shift and suppression of fibrinolysis in them. **【Conclusion】** The comparative estimation of the state of the hemostasis system in patients with tubercular infection with the aid of the method of low-frequency vibration piezoelectric hemocoagulography and standard coagulation tests revealed unidirectionality of the processes. The determination of changes in the components of the regulation of aggregation of the blood condition (RABC) system by the LPHC method allows to diagnose the development of complications in the blood coagulation system in patients with tuberculosis without manifestations of the corresponding clinical symptoms.



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