

# ESTIMATION OF PARAMETERS OF HAEMODYNAMICS AND VEGETATIVE REGULATION OF HEART RHYTHM AT HYPERTENSIVE PATIENTS WITH MECHANICAL TRAUMAS OF LONG BONES OF THE LOWER EXTREMITIES

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The parameters of hemodynamics and heart rate variability (HRV) at 58 patients with arterial hypertension (AH) II stages at the age from 34 till 59 years ( $46,77 \pm 0,74$  years) have been carried out. The 25 patients from group (the basic group) had mechanical traumas of long bones of the lower extremities. The research was conducted in the basic group for 1–2 days after trauma, in control group under conditions of usual activity. It is established that indicators of blood pressure (BP) and heart rate in basic group did not differ from control group. The decrease in heart pump function and increase of peripheral vascular resistance (GPRV) has been revealed in basic group. Hemodynamic type is defined as hypertensive-hypodynamic dissociation. Increase of GPRV at hypertensive patients with traumas is compensative. It is established, that trauma's presence has considerable oppressing influence on HRV at hypertensive patients. Disbalance of nervous system characterized by moderate strengthening of parasympathetic activity against high sympathetic tone.

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