

## **Comparative analysis of systolic blood pressure orthostatic reactions and heart rate in healthy volunteers and patients with arterial hypertension**

In the result of comparative analysis of orthostatic reactions (OR) types depending from changes of systolic blood pressure (SBP) with taking into account heart rate (HR) variations age and gender difference were found in healthy volunteers of different age groups and in arterial hypertension (AH) patients. A tendency of hypertonic and hypotonic type SBP reactions frequency decrease with the age and also an increase in hypertonic type SBP reaction in AH is more considerable in males. In orthostatic HR increases disregarding the SBP reaction type and the extent of increase grows from hypertonic to hypotonic SBP reactions. HR reactivity is higher in males than in females.