

# STATE OF ENDOTHELIAL FACTORS OF VASCULAR TONE REGULATION UNDER ARTERIAL HYPERTENSION AT WOMEN WITH HYPERCHOLESTERINEMIA IN POSTMENOPAUSAL PERIOD

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The changes of endothelial factors of vascular tone regulation at women with arterial hypertension (AH) of various severity levels in postmenopausal period on the background of hypercholesterinemia have been considered in the work. 120 patients with arterial hypertension of II and III degrees (the risk 4) in natural postmenopause have been included in the research. The control group consisted of 25 relatively healthy women without arterial hypertension and risk factors. The received results testify to the presence of endothelial dysfunction at arterial hypertension in postmenopausal period. The comparative analysis has allowed establishing typical for AH essential decrease in nitric oxide metabolites and increase in endothelin-1, thromboxane A2 and angiotensin II levels in blood in direct dependence on the disease severity levels according to its augmentation, as well as the presence of hypercholesterinemia as a risk factor of cardiovascular pathology.

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