

**ROLE OF ENDOTHELIUM PROVIDING
ACTIVITY OF PHYSIOLOGICAL
COMPENSATORY ANGIOGENESIS
IN HEALTHY PERSONS
OF VARIOUS AGES**

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Summary. The article presents the survey 45 healthy persons aged 20–74 years who have studied the functional state of the endothelium, the level of vascular endothelial growth factor (VEGF), levels of tumor necrosis factor (TNF), level capillarisation of tissues, and evaluated the morphofunctional state of the myocardium. It is shown that with age in healthy elderly decrease the number of functioning capillaries per unit area of tissue. Important role of endothelium in ensuring adequate compensatory angiogenesis in aging shows the relationship level of vascular endothelial growth factor levels with endothelial dependent vasodilatation.

Keywords: *compensatory angiogenesis, tumor necrosis factor, NO-synthase, activity of endothelium, capillarisation of tissues, endothelium vasodilatation.*