

## **HAEMOMICROCIRCULATORY SYSTEM OF PERICARDIUM DURING PRENATAL ONTOGENESIS**

*Dzevulska I.V., Kovalchuk O.I.*

*National Medical University by name O.O. Bogomolets*

*Development of Human Anatomy*

The work is devoted to the development of structural mechanisms of serous pericardium parietal lamina angiogenesis of human haemomicrocirculatory system during prenatal ontogenesis. It was established that primary angiogenesis that is a formation of primary blood microvessels of protocapillary type, occurs as a result of canalization of channels and glottises in mesenchyma's spindle-cell aggregation zones. Primary micro vessels form anastomosis between one another, and create protocapillary system, in which afferential, interfferential and efferential microvessels are formed as a result of chain differentiation processes. Secondary organspecific haemomicrocirculatory system is gradually formed as a result of the following processes: chain differentiation of cellular and non-cellular components of a wall of afferential, interfferential and efferential microvessels into arterial, capillary, and venial stages of haemomicrocirculatory system correspondingly, also as a result of microvessels' development through secondary angiogenesis from growth buds of matrix vessels' endotelocits that leads to forming of low-differentiated vascular rate with following chain differentiation into corresponded stages of haemomicrocirculatory system.