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CHANGES AND HISTOTOPOGRAPHY OF SOY BEAN AND HELIX POMATIA LECTINS BINDING SITES IN EARLY ORGANOGENESIS OF HUMAN BODY SKIN

. . . Kolomoyetz, A.V. Martinyuk, Ye. Yu. Shapovalova

SUMMARY

In 122 human embryos in the age from 21 day to 12 weeks of the intrauterus development at absence of the obviously expressed damaging factors of external environment, which includes stage X - XXIII and beginning of the fetal period by classification of Carnegie institute, regularity of N-acetyl-D-galactosamincojugates redistribution, which are Soy Bean and Helix Pomatia lectins binding sites, in body skin epithelial and mesenchymal germs have been revealed. In epithelial germ receptors of investigated lectins are present from the earliest stages of differentiation. In mesenchymal germs the biosynthesis of SBA and HPA-positive material begins at embryos in the age of 39 day (11 mm of length). By 12 weeks of development fibroblasts of embryonal connecting tissue lose N-acetyl-D-galactosamincojugates. Epidermocytes save these glycoconjugates in places of extracellular junctions.

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