

Quantitative changes in the cellular composition in the lymph nodes in pigs in early postnatal ontogenesis

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Deep and comprehensive knowledge of biological laws of ontogeny allow animals to use them more effective methods of influence on the developing organism in order to improve the productivity and sustainability of animals against the various diseases.

Morphological and functional differentiation lymph nodes occurs rhythmically, and the time of birth formed by all the structural elements of these bodies. Processes of restructuring and differentiation of structures and lymph nodes continue to early postnatal period of ontogenesis, which is one of the greatest biological significance for the life of the organism, and formation of its protective mechanisms. Piglets are born with morphologically formed regional lymph nodes, capable of actively taking a part in the formation of the body's defenses.

Parenchyma before scapular and retropharyngeal lymph nodes piglets in the first ten days of life containing from 8.0 to 18.0% reticular cells - lymphocytes 32,0-43,0% average from 31.0 to 43.0% small lymphocytes. Plasma cells are from 0.11 to 0.13%; eosinophilic granulocytes mainly localized in the cortical plateau up - 1.0-1.3% polymorphonuclear leukocytes from 1.5 to 3.5%.