

# **Morphometric characteristics of periodontal and gum mucosa structures of rats after injection of the antigen in amniotic fluid in the antenatal period**

Voloshin N.A., Burega Yu.A.

Zaporizhzhia State Medical University

Received: 14.01.2013

Accepted: 25.02.2013

**Summary.** The purpose of the study was to establish and examine the dynamics of changes in morphometric parameters of structure formation of periodontal and gingival mucosa of rats after injection of the antigen in amniotic fluid in the antenatal period. Work founds that prenatal antigenic action delays the rate of formation of the structures of periodontal and gingival mucosa of rats from the 1st to 11th day, and on the 30th day postnatal life. The imbalance in the formation of structures and periodontal gum mucosa of rats maintained for months and leveled on the 45th day of life.

**Key words:** periodontium, gingival mucosa, antigen in amniotic fluid, antigenic load, rats.

**How to cite:** Voloshin NA, Burega YuA. [Morphometric characteristics of periodontal and gum mucosa structures of rats after injection of the antigen in amniotic fluid in the antenatal period]. *Morfologiya*. 2013;7(1):27-30. Ukrainian.

## *References:*

Voloshin NA, Grigoryeva YeA, Scherbakov MS, Vovchenko MB, Svetlitskiy AA. [Visceromegaly of newborns: morphologic aspects]. In: [Materials of Scientific and Practical Conference devoted to the 200<sup>th</sup> anniversary of Kharkiv State Medical University foundation]; 2005 Jan 17-18; Kharkiv, Ukraine. Kharkiv: Kharkiv State Medical University; 2004. p. 123. Russian.

Voloshin NA. [Lymphocyte is a factor of morphogenesis]. *Zaporozhye Medical Journal*. 2005;(5):122. Russian.

Voloshin NA, Grigoryeva YeA. [Experimental model of undifferentiated connective tissue dysplasia syndrome]. *Pathologia*. 2009;6(1):39-42. Russian.

Grigoryeva YeA, Voloshin NA. [Peculiarities of the formation of synovial membrane in rat knee joint in the early postnatal period]. *World of Medicine and Biology*. 2009;(2):68-72. Russian.

Matveyshina TM, Shvets VM. [Macro-microscopic structural features of the pharynx in normal rats and after intrauterine antigenic influence]. *Aktualni pitannya farmatsevtichnoyi i medichnoyi nauki ta praktiki*. 2011;24(1):68-71. Ukrainian.