

**GROWTH DYNAMICS OF THE BODY WEIGHT INDEX AND
ANATOMICAL PARAMETERS OF THE PROSTATE OF MALE RATS
DURING POSTNATAL ONTOGENESIS**

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ABSTRACT

The article is devoted to the development and growth of body weight and biometric indicators of the prostate of male rats during early and late postnatal ontogenesis. Based on the data obtained, the growth rates of body weight and organometric parameters of the rat prostate (mass, thickness, width, length) were established, the mass coefficient and the average daily weight gain were analyzed. It has been reliably established that the change in body weight and weight of the prostate gland of male rats from the neonatal period to senile age is of a spasmodic nature. At the same time, the highest rate of body weight gain during the lactation period was detected on the 6th and 21st days of development. In the late postnatal period, the highest growth rate was noted in juvenile and young age. The greatest increase in prostate weight is observed in the interval from 3 to 9 months, the smallest - in individuals of 18 months of age. The highest value of the average daily body weight gain was found in age groups throughout the suckling period, and then its decrease was noted up to senile age. High indices of the organ mass coefficient were found in neonatal rat pups, and in the lactation period they are higher than in the age groups of late postnatal ontogenesis.

KEYWORDS: *Rat Prostate, Postnatal Ontogenesis, Organometric Parameters, Mass Coefficient*

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