STRUCTURAL FEATURES AND COMPARATIVE EVALUATION OF EYES IN RABBITS

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Summary. Currently, laboratory animals is being used for various research purposes. The purpose of the present work was to examine and compare structural parameters of rabbits and pigs eyes and to evaluate rabbit eyes – as experimental model – availability for research. Distance between the anterior cornea to surface of the anterior lens camera anterior, thickness of the lens, distance between surface of the posterior lens and surface of the retina (vitreous), distance from the anterior cornea to the retina, which represents the total axial lenght were determined using the method of A-mode ultrasonography. The results from comparative investigation of the structural elements of rabbits and pigs eyes were comparable and indicated that there were no significant differences between rabbits and pigs eyes dimensions.

Key words: ultrasonic eye biometry, pigs, rabbits.