

# Comparative characteristics of the prostates structure of babies and adults men

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20 peoples prostate were investigated, who died because the reasons that unrelated with disorders of the genitourinary system. Of them the 10 are the infants (1-10 days) and 10 of adult males (31-40 years). The aim - comparative characteristics of the organ at various stages of ontogeny. The linear and weight of the prostate were investigated. Studied quantitative and quality ratio of the main structural components in dynamic. Proved, that in first stages of ontogeny appear differences in the structure of the prostate in its various areas. Dynamics of the main structural components of prostate aimed at developing its function.

At the beginning of ontogeny appears significant differences in the structure of its various prostate zones. Dynamics of the main structural components of the prostate is aimed at the establishment of its function. In different age periods observed features structure prostate, exhibit different of glandular structures and stroma, resizing, the number and type of epithelial lining, increasing amounts of collagen fibers. Features such as uneven expansion of the lumen of the end sections of prostate, the emergence of the amyloid cells; predominance in the proportion of stromal components connective tissue structures, compared with the smooth muscle; sclerosis, hyalinosis walls of individual arteries and arterioles can be considered as morphological prerequisites of age involution of the organ.