

Anatomical Peculiarities and Morphometric Characteristics of the Intramural Part of Porcine Ureter

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The intravesical part of porcine ureter from 100 (50 male and 50 female) six months, 95-105 b.w. Bulgarian White x Landrace pigs, slaughtered for a meat consumption in accordance with Bulgarian legislation, were studied after silicone filling, radiography and corrosion casts measuring. It was established that the intramural part showed a well expressed curved course (almost 90°) with laterally oriented arch and distension just before transmission into ureteric columns. The statistical data (presented as mean ± SD) of studied morphometric parameters on silicone replicas - diameter and length of both sides of that ureter's part and distance between two ureteral orifices (ostia ureterica), as well, showed little more values in females vs. males ones, with no statistical significance ($P > 0.05$, one-way ANOVA). Similarly, the diameter and length of right ureters were with little more values that these of left ones. Also, an asymmetry in ureteric ostia location was observed - 15.4% in males and 38.5% in females, with different position each toward other. Ureteric ectopy was not observed in all studied animals. The original data obtained add a species specific feature and could be useful also for medico-biological studies concerned to man and probably for a xenotransplantation.

Key words: ureter, intravesical part, anatomy, morphometry, pig