JUDICIAL VETERINARY IMPORTANCE OF WEIGHT, VOLUME AND DENSITY DYNAMICS OF THE MANDIBULAR BONE IN CATTLE FOR DETERMINATION OF AGE AND GENDER

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There has been presented the dependence of the nonlinear osteometric parameters (weight, volume and density) of the mandibular bone in cattle on the age and gender of the animal in this article. It was established that determination the age of the cattle by the mandibular bone can be done with standard error: by weight – about 5 months for cows and 1 month for bulls; by volume – about 2,5 for cows and 1,7 months for bulls; by density – about 2,8 for cows and 2,2 months for bulls. It is proved that reliable determination of the cattle age and gender by the simultaneous measurements of weight, volume and density of the mandibular bone can be done with a maximum error of about 5 months in the age range from a few months from birth to 10 years

Judicial veterinary examination, mandibular bone, cattle, age, gender