

VITAL DIAGNOSTICS METHOD FOR COWS' GONADS USING ULTRASOUND DATA AND DISCRIMINANT ANALYSIS

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ABSTRACT

Given article introduces and analyzes the results of ultrasound studies of cows' gonads (ovaries) in the normal and the pathological condition. The following parameters of the gonads were obtained: width, length, density, and presence of follicle. The diagnosis of gonads' diseases and categorization according to the certain parameters into individual groups was performed using a discriminate analysis method.

KEYWORDS: Reproductive Function, Gonads' Diseases, Ultrasound Diagnostic Methods, Discriminant Analysis