RELIABILITY OF HEMOSTASIS DURING CASTRATION OF ANIMALS USING HIGH-FREQUENCY WELDING.

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Castration, HF-welding, bleeding, pets suppurating wounds, overlapping vessels.

Study hemostasis reliability using HF-weldingoperations for different pet species and age. Experimentally proven high efficiency, convenience and reliability of the use of high-frequency electric welding in veterinary surgery.

The relevance of a proplem. The complications after a castration in veterinary surgery occur frequently. Particularly common are bleeding and suppuration after a certain period of time due to reactions to suture material as a foreign body.

The aim of research. The using of electric welding for the implementation pets' castration.

Material and methods. The first phase of the study was conducted on 23 pigs large white breed weighing 35-50 kg (14 and 9 pigs).

Results. In the experiment the duration of electric welding was increased according to the diameter of blood vessels and ranged from 3 to 10 seconds. Heat affected the zone outside the electrodes was absent, limit electric welding clearly differents from the surrounding vessel wall. The fabric between the electrodes was becoming a smooh homogeneous mass.