DIFFERENT ASPECTS AND THERAPEUTIC TECHNIQUE OF HEMOTRANSFUSION OF DOGS AT THE VETERINARIAN CLINICAL HOSPITAL IN CLUJ-NAPOCA

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SUMMARY

The blood transfusion in dogs recorded remarkable progress lately, even though the transfusion therapy with animal blood is still hard to access. The sustained efforts of researchers and clinical practitioners from U.S.A. (Lucas et al., 2004), Europe (Waldrop et. al., 2005) and Japan (Ejima et. al., 2004), made it possible for some blood transfusion centers and blood banks for dogs to be constructed.

This research paper shows the preoccupations and the realizations of the Physiology Department and the Clinical Hospital of Cluj-Napoca Veterinary Faculty regarding the initiation of blood Transfusion in dogs in Transylvania.

There were involved mainly dogs that suffered different accidents and were close to going into or were already in hypovolemic shock (n=9). The steps of the procedure were: identifying the donors and their supervision; establishing the optimal time for a blood transfusion therapy; verifying the blood type compatibility based on SHIGHETA method and kits; collecting the blood in glass recipients or bags containing CDP A1 anticoagulant; performing the blood transfusion using the glass recipient and the plastic bags technique; posttransfusional supervision.

Out of the 9 case we treated, eight were recuperated; the post transfusion average rate raise was of: 2.44% for the Ht; 9.77g/dcl for Hb and 0.43 mil./mm3 for RBC.

The loss of one patient that underwent urgent blood transfusion without verifying the compatibility was due to an immediate post transfusional reaction with massive intravascular hemolysis.

The results show that the two methods used by us to obtain, conserve and use in blood transfusion of the blood maybe introduced and extended to private veterinary clinic practice of Romania, mainly because the materials needed are common and the price is also convenient.

BIBLIOGRAPHY