

**COMPARISON OF FLUID THERAPY DEXTRAN-70 AND RINGER'S
LACTATED TO PHYSIOLOGIC CONDITION OF BODY
IN DOMESTIC CAT (*Felis catus*) WHO GET
HYPOVOLEMIC SHOCK**

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ABSTRACT

Fluid therapy is important for many medical conditions in animals' patients. The use of fluid therapy is the first step to overcome the shock of hypovolemia. However, Selection using crystalloid or colloid is still being debated. The purpose of this study was to determine the effectiveness of dextran-70 and Ringer's lactate for resuscitation of hypovolemic shock in cats (*Felis catus*). This study is an experimental research. The sample consisted of 16 cats (*Felis catus*) adult males were divided into two treatment groups: The first treatment receives Dextran-70 as much as the amount of blood ejected from the body per kg and the treatment of both receiving Ringer's lactate were 110 ml / kg. Data obtained from the temperature, respiration frequency and pulsus as well, and capillary refill time (CRT) and the data were analyzed using random design group test. Data were analyzed by SPSS 21 for Windows with a significance level of $p < 0.05$. The test results indicate there is fluid resuscitation with dextran-70 and Ringer's lactate can improve the condition of shock hypovolemia in the domestic cat (*Felis catus*) where there are no differences in pulsus, respiration and capillary refill time (CRT) between the condition before the shock of hypovolemia and after being given fluid therapy but there are differences in temperature.

Keyword : Dextran-70, Ringer's lactated, hypovolemic shock.