Saving Cats from Dehydration by Balancing Their Diet

Kanchwala, Laiba Fatima (School: Aga Khan Higher Secondary School)
Ali, Jaiba Tahir (School: Aga Khan Higher Secondary School)

ABSTRACT: In this project, a fluid diet is prepared for cats which helps them to overcome dehydration. This diet is more beneficial than cat food given to cats as it contains basic electrolytes which are not usually found in cat food, furthermore our nutrients are inexpensive and easily available in market. The diet was prepared by mixing Barley water-30 ml, Vitamin C-125g, Glucose-10g, Calcium Hydroxide-3g, Magnesium Hydroxide-3g, and Apple Cider-0.3ml as a preservative in 100ml of water. Under the supervision of a trained veterinarian, the experimental group (DORA, RENA, CUBO) were fed an intake of 30 ml of special diet with 70 ml of water orally, while a control group (NILLI TORA, MENA) were fed 100 ml of only water with their normal diet. By the end of the week, the experimental group appeared to be more energized. CBC and RFT tests were conducted at the start and end of the experiment. The CBC reports for the cats on special diet showed significant improvement. In particular, the average PCV was 24.2 before and 32.6 after the experiment for the experimental group and 30.2 before and 29.3 after for the control group. Average Serum Creatinine for experimental group showed 14.7 before and 11 after the experiment whereas, 15.4 before and 15.7 after the experiment for the control group. It showed, the cats on special diet had significant improvement in their health as CBC gradually increased and RFT gradually decreased and vice versa for control group.

Awards Won: