

CAHF *Wish* LIST

When CAHF donors help to purchase new equipment at the Western College of Veterinary Medicine, everybody benefits. WCVM clinicians and researchers gain access to vital pieces of equipment that help to improve the quality of health care for their patients. Plus, veterinary students gain experience and training on the latest technologies.

Interested? Visit cahf.usask.ca and click on "Support CAHF" to view the latest pieces of equipment on the CAHF Wish List.

Questions? Please contact **Lisa Green**, WCVM's development officer (306-966-7450; lisa.green@usask.ca).

COST CATEGORY: \$1,000 TO \$5,000

NAME OF ITEM: EZ-10 G3 Power Driver, Training Driver and Needle Sets

ESTIMATED COST: \$1,527

SERVICE: Small Animal Medicine

FACULTY MEMBER: Dr. Elisabeth Snead, Department of Small Animal Clinical Sciences, WCVM

USE OF EQUIPMENT: The EZ-10 G3 Power Driver is used for performing bone marrow aspirates and for placement of intraosseous catheters in human patients (pediatric and adults) and has also been used in limited numbers of feline and canine patients.

Along with this drill, five pediatric and five adult needles would need to be purchased. The needle sets in humans are designed for single use but in veterinary medicine, they could be reused up to five times after sterilization. The training driver would also allow clinicians to practise before using the device in a proposed clinical trial and on clinical patients.

The equipment would be used in a research trial to compare the ease of bone marrow aspirate collection and intraosseous catheter placement in cats with this new device.

The EZ-10 system, which has been used in the human medical field for the last five years, has great potential application for this research project as well as for use in WCVM's Internal Medicine and Oncology services. Intraosseous catheters are an effective way to achieve vascular access in neonatal puppies, kittens and other patients (for example, patients with chronic kidney disease) where vascular access with an intravenous catheter isn't achievable without sedation and a vascular cut down procedure.

Bone marrow sampling is part of the medical work up for patients with a variety of clinical disorders. Having a more user friendly system will hopefully allow the procedure to be done more efficiently which will save the client money, and most importantly, will minimize distress to the patient.

ESTIMATED ONGOING COST FOR UPKEEP: None.