

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: \$10,000 AND OVER

NAME OF ITEM: Ophthalmic endoscopic laser (EndoOptiks® ECP)

ESTIMATED COST: \$52,000. Total includes: endoscopic laser (\$45,000); laser probe (\$2,000); laser microendoscope (\$2,000); video screen (\$2,000); cart for unit (\$500); shipping and insurance (\$600).

SERVICE: Veterinary ophthalmology

FACULTY MEMBER: Drs. Lynne Sandmeyer, Bianca Bauer and Bruce Grahn, Department of Small Animal Clinical Sciences, WCVM

USE OF EQUIPMENT: Glaucoma is a common cause of blindness in animals. Endoscopic cyclophotocoagulation (ECP) is one of the latest approaches to controlling high intraocular pressures associated with glaucoma. ECP is a minimally invasive laser procedure that uses endoscopy and laser in the eye to lower intraocular pressure and retard the progression of glaucoma.

ECP is safe, effective and can be performed during other intraocular surgical procedures such as cataract surgery. Following ECP, a reduction in the use of medications has been documented in patients. Additionally, this equipment can be used for other intraocular surgical procedures such as tumour removal via laser resection.

ECP has been performed in humans with a 90 to 95 per cent success rate, but it's rarely performed in animals due to the cost of the specialized equipment. This compact laser and endoscopy unit houses a light source, laser and camera.

ESTIMATED ONGOING COST FOR UPKEEP: No ongoing costs anticipated.