

SUBMISSIONS REQUESTED FOR COMPANION ANIMAL EQUIPMENT

NAME OF ITEM: Flex XC Ureteroscope

NAME OF SUBMITTING FACULTY MEMBER: Snead

SERVICE: Small Animal Medicine

PROPOSED USE in lay language. Briefly describe benefits to companion animal research and clinical practice.

This is a very small endoscope that can be used to examine the urethra of male dogs and small female dogs. Currently we do not have a scope that is small enough to be able to go up a male dog urethra which limits our diagnostic capabilities for diagnosing and treating disorders of the male urethra and urinary bladder. This scope can also be used to perform a procedure called laser lithotripsy where a laser fiber is inserted through the working channel of this scope and used to bust up a bladder stone into very small fragments. This is a great alternative to an invasive surgery for treating bladder stones. This scope with the laser fiber could also be used to non-surgically treat ectopic ureters in female and male dogs. This is a condition where animals are born with abnormal urinary plumbing and leak urine intermittently or persistently. The Flex XC ureteroscope from Storz is one of the best flexible ureteroscopes on the market currently.

Benefits to the WVCM VMC associated with purchasing this equipment would include the following:

- 1) It would allow us to offer a much less invasive means compared to surgery to remove bladder stones from the urethra and bladder of male and female dogs.
- 2) Potential to increase our referral medicine caseload and increase cases for teaching students. We would be only one of two facilities in Western Canada to offer this procedure.
- 3) It would also help us attract residents to the internal medicine service. This would allow us to be more competitive with other schools currently offering this service and exposing their internal medicine residents to this procedure.
- 4) Increased potential for research in endourology. Lithotripsy is a new and exploding area in veterinary internal medicine. Dr. Lulich at the University of Minnesota expressing interest in collaborating with me on some bladder stone research which would involve the Canadian Light Source Synchrotron to look at bladder stone. Once the current academic year is over I will also start spending time with the human urology service at the U of S to continue my training in endourologic procedures by observe them performing lithotripsy and many other endourology procedures in people.
- 5) Increased anesthetic and imaging procedures (double contrast urethrogram and epidural procedures) for training students, interns and residents in these ancillary services.

ESTIMATED COST:

Estimated cost for a new ureteroscope with processor - \$40,000. Please see the attached quote (items 6 and 15) from Storz for this equipment. A new processor would need to be purchased as our current storz processor for the rigid scopes will not work for this flexible scope. This new processor allows for HD image capability with the appropriate monitor.

ESTIMATED ONGOING COSTS FOR UPKEEP: Ancillary equipment that will need to be purchased include biopsy forceps and stone retrieval baskets that can be used through the working channel of this scope. The cost of these items will be less than \$1500.00.

PHOTO OF EQUIPMENT: A high resolution image (300 dpi) for potential publication in Vet Topics and for use on the CAHF web site is needed. It is helpful for Communications (Myrna MacDonald) to have contact information for an industry representative from a particular company, since permission is needed to use any photos on companies' web sites (as to request images in higher resolution). All approved submissions for the Equipment Wish List will be posted on the CAHF website where Development and Communications staff and Faculty members will be able to refer potential donors to look at options for donations.

I am attaching a brochure from Storz about this ureteroscope. In addition you can contact the company representative Taylor Smith at jsmith@karlstorzvet.com.

SIGNATURE OF YOUR DEPARTMENT HEAD: _____

PLEASE DIRECT COMPLETED FORMS TO:

CAHF Equipment Wish List
c/o Elise Painchaud-Rattai, Research Office
elise.painchaud@usask.ca

DEADLINE: July 5, 2012