

Veterinary Medical Center Wish List

Anesthesiology

Any Amount – Educational Support

Provides funding for books and travel to educational conferences for technicians, residents and faculty.

\$50,000 – Tefonius

Advanced large animal anesthesia machine with integrated monitoring and ventilator system.

Veterinary Medical Center Wish List

Behavior*

Any Amount – Behavioral Medicine Educational Support

Provide funding for educational conventions and associated travel costs, textbooks, and graduate study costs for residents, technicians and faculty.

\$1,500 – Equine Behavior Educational Support

Supports honoraria and travel fees for equine veterinary behavior welfare specialist to provide lectures and hands on workshops for first year veterinary students, faculty and staff.

\$6,100 – Puppy Kindergarten Support

Supports equipment, educational materials, training tools, and continuing education for the teaching staff and students for the Puppy Kindergarten class for one year.

- \$5,300 – Annual Staffing Cost
- \$500 – Annual Continuing Education
- \$300 – Annual Supplies

\$60,000 – Annual support for a Resident in Behavior Medicine

\$1,500,000 – Endowed Resident in Behavior Medicine

\$3,000,000 – Endowed Chair in Behavioral Medicine

An endowed chair will enhance the behavioral medicine service and allow us to recruit top talent to the Ohio State.

Veterinary Medical Center Wish List

Cardiology (7/16/18)

\$1,500 – Continuing Education for Faculty or Technician

Continuing education for faculty and veterinary technicians is essential to maintain a high quality service and provide excellent patient care.

\$1,500 – Sponsor a Resident

Residents are the backbone of high quality veterinary care in 24/7 referral hospitals. Residency programs are usually over a 3 year period and provide intense learning opportunities. Sponsor a resident by assisting with the cost of textbooks, computer and statistical software, learning aids, and continuing education events.

\$3,000 – \$6,000 – Support a dog or cat to have a congenital heart defect fixed by an interventional procedure

Without early intervention animals with particular types of congenital heart disease often die within 1-2 years of life. Interventional procedures to cure or improve quality of life and longevity in congenital heart disease are very sophisticated and expensive but can fix the disease (likely permanently) as medical treatments most commonly fail.

\$4,000-\$7,000 – Support a dog to have an intrahepatic portosystemic shunt fixed by an interventional stent procedure

This congenital abnormality leads to seizure activity, retarded growth, vomiting, anemia, bladder stones, and often death. Mortality during surgical intervention is above 50%, even in the hands of very experienced surgeons. Catheter-based closure is very successful, but expensive due to the high cost of the devices used for closure. Without shunt closure most dogs die early in life, with shunt closure they may have a normal life expectancy.

\$9,000 – \$25,000 – Support a research project on feline cardiomyopathy

Feline cardiomyopathy (heart muscle disease) is one of the leading causes of death in cats. Ohio State's Veterinary Medical Center is recognized as a world-wide center of excellence regarding feline heart disease. Support of feline studies from grant agencies is very limited and would directly benefit cats with heart muscle disease.

\$9,000 – \$25,000 – Support research on diagnosis and treatment of congestive heart failure in cats

Congestive heart failure in cats is common and research in this area is very limited. Onset and clinical signs of heart failure in cats are different from dogs and people; therefore, independent research on heart failure in cats is urgently needed. Support of feline studies from grant agencies is currently lacking and support would largely benefit cats with decompensated heart disease.

Veterinary Medical Center Wish List

Cardiology Continued

\$9,000 - \$20,000 – Support research for treatment of dogs with chronic lung disease and pulmonary hypertension

Pulmonary hypertension is a devastating consequence of a variety of lung and heart diseases often leading to debilitating symptoms and death. Effective treatments are limited, but recent developments in human medicine are very promising. There are very few studies on treatment of pulmonary hypertension in dogs and cats; any support for largely benefit dogs and cats with this condition, improving quality of life and outcome.

\$5,000 – \$25,000 – Support research project on management of dogs with congestive heart failure

Congestive heart failure (CHF) is a leading cause of death in dogs, as it is in people. Causes are numerous, but treatments are limited. In addition, there are many knowledge gaps in the pathophysiology of CHF in dogs. Any support would directly benefit dogs with end-stage heart disease.

\$80,000 – \$100,000 – Support a PhD student in Veterinary Cardiology

The average PhD program takes about 5 years to complete. Funding is very difficult, and even more difficult for clinicians, as opposed to scientists that do not work with veterinary patients. Therefore, clinical PhD programs answering important clinical questions regarding patient care, patient monitoring, and novel therapies are very rare. PhD researchers almost always make breakthrough discoveries, owing to the length and intensity of the training programs. New funding mechanisms are urgently needed, and any support for directly benefit dogs and cats.

Veterinary Medical Center Wish List

Community Practice (12/17/18)

\$2,500 – Blood Pressure Monitor

Used to monitor blood pressure of patients under anesthesia or in an emergency.

\$900 – IV Fluids Pump

Used to provide IV fluids or medications to patients under anesthesia or in an emergency.

\$3,500 – TonoVet

Measures intraocular pressure to monitor ocular diseases. Would allow the service to perform this procedure in the exam room instead of moving the patient to ophthalmology, reducing stress and anxiety for the patient.

\$3,500 – iPad with Software

To be used for dental charting to help make the process more accurate and complete. The chart and images would be available to share with the owner electronically.

Any Amount – Educational Support

Provides funding for books and travel to educational conferences for technicians, residents and faculty.

\$200 – Fear Free and Low Stress Handling Certification

Annual training for technicians and faculty to maintain Fear Free and Low Stress Handling certification

\$8,000 – Portable Ultrasound

A portable ultrasound will allow us to obtain samples in exam room, decreasing the stress for the patient.

\$5,000 – Therapeutic Laser

Would be an additional choice of treatment for wound management, arthritis, lick granulomas, degenerative joint disease and post-surgical pain.

\$3,000 – Squeeze Cage

Used to restrain a patient for an injection or sedation. Our current squeeze cage can be unsafe and loud, further startling some patients.

\$50,000 - Veterinary Technician/Assistant

Provide additional technician support to increase patient care and increase caseload

Veterinary Medical Center Wish List

Dentistry (2/5/19)

\$2,200 - Dental Loupes



Small eyeglasses worn by faculty that help provide magnification.

\$4,000 – Nano Camera

Allows the students to see the images from the Dental Loupes.

Any Amount – Educational Support

Provides funding for books and travel to educational conferences for technicians, residents and faculty.

\$900 - Saddle Seat

Allows for students, faculty and technicians to have proper positioning when doing dental work on patients.



\$600 – Vac-Lock Cushions

Used to help position patients during dentals and keep their heads from moving during the procedure thus reducing the amount of strain on the patients' neck. They are easy to clean and sterilize.

\$75 - Sealing and Bonding Kit

Used for teeth that have small or uncomplicated fractures or wear that do not warrant immediate extraction. This will resolve sensitivity, block infection, improve aesthetics and smooth the tooth to decrease plaque accumulation thus delaying periodontal disease.

Veterinary Medical Center Wish List

Dermatology and Otology (6/12/18)

Any Amount – Educational Support

Provides funding for books and travel to educational conferences for technicians, residents and faculty.

\$1,000 - \$10,000 – Research Funds

Research funds for small clinical studies by faculty, residents or students. Often money is needed to do a small research project to gather enough information to apply for larger funding opportunities.

\$8,000 – Portable Otoscope

A video otoscope which will allow for examinations of patients in front of the owner and will also be used for instruction of senior students on the use of the video otoscope in clinics and labs.

\$10,000 – Camera for Video Otoscope

Used daily by the service to look in ears of patients and teach students. This is a replacement camera for the video otoscope that is in the Dermatology Treatment Room.

Veterinary Medical Center Wish List

Diagnostic Imaging (7/6/18)

\$5,000 – Vet Mousetrap for CT positioning without sedation

This device would allow us to perform CT scans on cats and small dogs without the need for sedation or anesthesia. This is useful for patients that need imaging but cannot be sedated or anesthetized due to concerns for safety.

\$10,000 – Resident research fund

This money allows residents to pay for a research study required during their residency. This research furthers our knowledge of the imaging of disease to benefit future patients.

\$25,000 – Toward purchase of CT contrast pressure injector

Our current unit is aging and a newer unit would be beneficial to our patients and allow us to perform more complicated CT angiographic studies.

\$1000 – Send a Resident/Technician to a Nuclear Medicine training camp

This is an annual CE opportunity that is essential for the training of our technicians and residents.

\$1000 – Send a Resident/Faculty to an annual meeting

This allows our residents and faculty the opportunity to learn the latest information about imaging and to present the results of their research.

\$3,000 – Ultrasound probe guides for biopsy

These devices would be useful for resident and student training while learning biopsy and fine needle aspiration (FNA) skills.

\$8,000 – Large screen TV for Learning Conference Rooms

This would allow us to teach the residents and students using a large screen format so that all can view the images.

\$10,000 – Teaching file server

This would provide a location to store valuable digital teaching cases for student and resident training.

Veterinary Medical Center Wish List

Equine (11/4/18)

\$3,000 – Sponsor a resident

Sponsor a resident by assisting with the cost of books and continuing education, gives our residents the opportunity to learn the latest information and to present the results of their research at national meetings and short courses such as fracture fixation and upper airway surgery.

\$3,000 – Ophthalmoscope

This allows us to fully examine a horse's eyes. We have a fantastic ophthalmology service, but this basic eye exam is also a necessary skill to be practiced by students, interns and residents.

\$10,000 – Equine surgery tables

These surgery tables are specifically designed to support the body of a horse and include hydraulics to allow the table to be raised. Our current tables are coming to the end of their lifespan!

\$15,000 – Electrochemotherapy unit

Specialized electrodes allow better delivery of local chemotherapy and treatment for common skin tumors in horses.

\$25,000 – Wireless radiography unit

Wireless plates can be used with any x-ray generator and allow for greater safety and efficiency without cords. This equipment would be used for our sports medicine cases and in the operating rooms.

\$25,000 – Equine palpation/colic simulator

These life-sized models help teach students the technique of rectal palpation, an important skill to help make our graduates practice-ready.

\$25,000 – Dynamic endoscope

This endoscope is attached to the horse's tack so the upper airway can be viewed during normal riding. This is especially important for horses that have breathing problems related to riding under collection or only under certain conditions.

\$1M – Standing CT unit

This new technology would allow for advanced imaging of the equine head and neck without general anesthesia.

Veterinary Medical Center Wish List

Emergency and Critical Care (5/3/18)

\$5,000- \$7,000 – Small Patient Incubator

Provides oxygen and close observation of cats and small dogs. Provides temperature control and high visibility, while allowing the patient seclusion and low stress.

\$1,500 to \$3,000 – Attend Continuing Education Conference

Support a resident or technician to travel to an Emergency & Critical Care Conference.

\$15,000- \$20,000 – Large Oxygen Cage

Our current oxygen cage for the ICU is 7-8 years old and is not able to hold oxygen well and reach the desired levels.

\$10,000 – \$15,000 – Linear ultrasound probe

In conjunction with our ultrasound, this specialized probe can allow for ultrasound-guided placement of catheters in patients that would otherwise prove very challenging.

\$26,000 – CPR & First Aid Mannequin

State-of-the-art mannequin for teaching K9 CPR, first aid, and other procedures. To be used in student training as well as law enforcement and first responders to provide basic first aid and support for K9 officers in the field, or other canine emergency situations.

\$300 – \$1,000 - NICO monitor

This equipment is for patients that are on a ventilator. It allows close monitoring of how well the patient is ventilating, as well as cardiovascular status.

Veterinary Medical Center Wish List

Internal Medicine (12/4/18)

\$3,000 - \$5,000 – Research Funds

Research funds for small clinical studies by faculty, residents or students. Often money is needed to do a small research project to gather enough information to apply for larger funding opportunities.

\$15,000 - \$20,000 – Kidney Dialysis Machine

\$20,000 – Water Purification Machine

This machine purifies the water needed for dialysis

\$50,000 – Dialysis Fellowship

Training for kidney dialysis, kidney medicine, therapeutic plasma exchange (removing plasma from your blood and replacing it with normal plasma) and charcoal (used to treat intoxication) in dogs.

\$50,000 annually – Internal Medicine Veterinary Technician

Provide additional technician support to increase patient care and increase caseload

\$3,000,000 – Endowed Faculty Position

Endowments help ensure that funding is available in perpetuity for faculty. They help us recruit new talent or retain current faculty.

Veterinary Medical Center Wish List

Large Animal (6/5/18)

\$1,000 - \$3,000 – Sponsor a Resident or Intern

Provide current textbooks for residents and interns, travel to meetings and conferences where they can learn the latest information and present the results of their research.

\$5,000 – Swine tilt table

Provide safe and effective restraint of large porcine patients; very useful during farrowing season to restrain large sows for C-sections.

\$5,000 – Surgical video equipment

Would like a camera mounted on or near surgery lights with recording equipment for classroom teaching purposes. A closed-circuit monitor for learning conference room for student viewing and a closed-circuit monitor in farm animal reception for client viewing.

\$10,000 – Additional hoists for down cow management

Veterinary Medical Center Wish List

Neurology

Veterinary Medical Center Wish List

Integrated Oncology (Updated 7/6/18)

\$28,000 - CT Couch Top Overlay (Rad Onc)

This overlay for the CT couch mimics the linear accelerator table. This makes sure that patient positioning during radiation treatment exactly duplicates the position of the planning CT scan. It provides locking mechanisms for immobilization devices to ensure exact positioning.

\$50,000 - ARIA Workstation and Planning License (Rad Onc)

This is a computer workstation used to create the patient's treatment plans. We have only one station currently but are often busy enough to need to plan more than one case at a time.

\$10,000 – Medical, Surgical or Radiation Oncology Research Money

Funds are often needed to supplement faculty or resident research projects. In other cases, "seed" money is needed to obtain enough preliminary data to be able to apply for further funding or justify moving forward with a project

\$2,500 – Send a Medical, Surgical or Radiation Oncology Resident/Faculty to an annual scientific meeting

This allows our residents and faculty the opportunity to learn the latest information about radiation oncology and to present the results of their research.

\$750 – Mayo Stand (Med / Surg Onc)

Mayo stands would be beneficial to the surgery team since, as an integrated service, we are doing more small procedures in the treatment ward. We need the stand to provide adequate space for our sterile equipment so that we eliminate as much contamination as possible in our minor procedures room.

\$2,000 to \$5,000 – Positioning mattresses and supplies for Linear Accelerator (Rad Onc)

In order to precisely treat patients with Intensity-modulated radiation therapy (IMRT) or Stereotactic Radiosurgery (SRS), a custom positioning device is made for each patient.

\$5,000 - Indexing Bars (Rad Onc)

These devices assist in replicating the position of immobilization devices between the CT couch overlay and the linear accelerator treatment table.

\$50,000 annually – Medical, Surgical or Radiation Oncology Technician

This includes salary and benefits for one technician. The service caseload is increasing and additional staff is needed to help care for patients.

\$60,000 annually – Medical, Surgical or Radiation Oncology Resident

This includes salary and benefits for one resident. In addition to teaching students and seeing patients, each one of our residents conducts a research project.

Veterinary Medical Center Wish List

\$3,000,000 – Endowed Faculty Position

Endowments help ensure that funding is available in perpetuity for faculty. They help us recruit new talent or retain current faculty.

\$1,000 - Therapeutic Recovery Cushions (Med / Surg Onc)

Improves circulation for the skin and muscles supporting and distributing the patient's weight helping relieve pain during recovery and minimizes heat loss from anesthetized patients.

\$1,000 – Funding for Medical, Surgical or Radiation Oncology Technician CE and Conference Travel

This provides our technicians the opportunity to attend a conference to learn new techniques in patient care and management.

\$1,500 & \$2,500 – SunTech Vet20 Veterinary Blood Pressure Monitor and Blood Pressure Cuffs (Med Onc)

Takes reliable, accurate measurements on patients in a matter of minutes with no shaving or gel required. The touch screen makes it simple to use and requires little training. It is portable and battery operated which allows it to move from treatment areas to exam rooms easily.

\$15,000 – Veterinary Electroporator ELECTROvet S13 (Surg Onc)

Used for electro-chemotherapy to treat tumors such as melanoma, mast cell tumors, squamous cell carcinomas, sarcoid tumors and fibrosarcoma's in both small animal and equine patients.

\$40,000 – Force Triad Energy Platform (Surg Onc)

Provides electrosurgical cutting and coagulation laparoscopically thus decreasing surgery and anesthesia time for patients. We currently have one of these machines but our caseload is growing so rapidly that we need another one.

\$75,000 Wireless Pilot Probe and 12mm SMX Lymphatic Mapping Probe

This device allows surgeons to identify sentinel lymph nodes during surgery to assist in deciding what lymph nodes likely are metastatic so they can be removed.

\$10,000 – Custom designed head holder for positioning for IMRT and SRS (Rad Onc)

This is used in combination with individual patient positioning devices and can be reused for each patient. There is no product available for the veterinary market, so it is custom built by Ohio State Engineering.

Veterinary Medical Center Wish List

Ophthalmology

\$500.00 – Library fund

Used every two years to provide current ophthalmology textbooks for our students, residents and interns.

\$500 – Corneal esthesiometer

Used to measure corneal sensitivity, has both clinical and research applications.

\$3,000 – Microsurgical Chair

Our current chair is nearly 20 years-old and has mechanical issues. It's used in 6-10 surgeries a week, and would have a positive impact for our surgeons.

\$3,000 – Corneal Pachymeter

Used to measure corneal thickness, has both clinical and research applications.

\$6,500 – Optional Anterior Segment OCT Imaging Adapter and Imaging Software

Used in both clinical and research applications.

\$100,000 – Optical Coherence Tomography Research resolution upgrade

Used primarily for research purposes, but research would have clinical applications.

Veterinary Medical Center Wish List

Shelter Medicine and Surgery

\$3,000 – Surgery Tables

These electric surgery tables allow the surgeons to easily adjust the height of patients during surgery. Four needed.

\$8,000 – Portable Ultrasound

A portable ultrasound will allow us to triage animals that come into the shelter after experiencing a trauma, for abdominal bleeding after surgical procedures, to use as a diagnostic for bladder stones, to obtain urinary collection samples, etc. This will allow us to teach students these skills which they can use in the professional career from private practice, shelter medicine, to specialty services.

\$ 25,000 - IDEXX blood machines - Idexx Lasercyte + Catalyst Dx - \$24,972

Allowing in house basic blood work for all patients in need at the shelter for immediate results rather than having to send all bloodwork out. This will allow doctors and students to fully evaluate patients in the same day thus increasing the learning opportunity and turn-around time for decision making in the shelter setting.

\$ 1,400 - Stat Spin

Used to quickly process collected samples in small animals.

\$ 100 ea. - Wahl Arco SE Cordless Clippers

Used for surgical preparation and other medical procedures to remove hair. Due to wear and tear we go through about 4 of these per year.

\$ 175 ea. - Digital Baby / Kitty Scales in need of 2-3

For obtaining accurate weights of patients under 10 lbs.

Veterinary Medical Center Wish List

Sports Medicine / Rehab

Clinical Service and Teaching

Any Amount – Educational Support

Provides funding for books and travel to educational conferences for technicians, residents and faculty.

\$3,000,000 - Sports Medicine/Rehab Endowed Chair

Endowments help ensure that funding is available in perpetuity for faculty. They help us recruit new talent or retain current faculty.

\$----- Sports Medicine/Rehab Full-time Faculty

\$----- Sports Medicine/Rehab Fellow (1 year appointment)

\$50,000 annually – Sports Medicine/Rehab Technician

This includes salary and benefits for one technician. The service caseload is increasing and additional staff is needed to help care for patients.

\$60,000 annually – Sports Medicine/Rehab Resident (3 year appointment)

This includes salary and benefits for one resident. In addition to teaching students and seeing patients, residents conduct a research project.

\$8,000 – Canine rehabilitation certification training for staff

\$8,000 – Acupuncture certification training for faculty

\$6,500 – Chiropractic certification training for faculty

Equipment

\$10,000 - Light Gate Harness (Top priority)

This specialized mobility device allows for lifting of large patients into a standing position. The unit supports the body of the animal so varying amounts of weight can be put on the limbs during gait training

\$2,700 – Game Ready Canine Starter Kit (1 needed)

This device combines cold therapy and compression to accelerate recovery from injury or surgery. This technology is frequently used in human sports medicine and rehabilitation.

\$899 – Pulsed Electromagnetic Field (PEMF) treatment beds (2 needed)

PEMF uses pulsing magnetic fields, developed by pulsing a small amount of battery current through coils of wire, to initiate normal biological cellular reactions that result in improved circulation and provide pain relief

\$290 – Assisi Loop (2 needed)

Targeted pulsed electromagnetic field therapy (tPEMF™) can be used to speed healing, reduce inflammation, and lower pain levels

Veterinary Medical Center Wish List

\$ 200- \$500 – Skeletal and Bone Models

Models of the skeleton, spine and bones/joints to be used in teaching students

\$485 – Electrical Acupuncture Stimulation Unit (1 needed)

This device provides electrical current through acupuncture needles to help stimulate the nervous system and provide increased pain control

\$30- \$160 – Canine therapeutic exercise/fitness equipment

Equipment such as exercise balls, peanuts, balance discs, wobble boards, etc. are used in exercise therapy for both recovery from surgery/injury as well as strength and conditioning

\$1,000- \$3,000 – Dog-specific land treadmills (various sizes needed)

Various sizes of land treadmills needed for therapy, exercise and conditioning of canine patients

\$70 – Gulick Tape Measure

Specialized tape measure used to consistently measure muscle mass

\$35 – TENS Unit (1 needed)

Provides electrical stimulation for pain management

\$50,000 to \$60,000 – Underwater Treadmill

Underwater treadmill therapy is used to improve range of motion and mobility, minimize weight on arthritic joints or during post-op recovery, enhance cardiovascular function and performance, accelerate return to function after injury and intensify conditioning or boost weight loss

\$13,000-18,000 - FLIR Thermal Imaging Camera

Thermal imaging is used for diagnostic purposes to improve detection of minute changes in temperature of muscles and joints which can indicate inflammation and injury. It is also used for research purposes.

\$2,200 - \$4,700 - Ultrasound Machine

Ultrasound uses sound waves to heat tissues, increase tissue blood flow and tissue relaxation, break down scar tissue and improve healing.

Facilities

\$1,000-2,000 – Elevated mat treatment table (1 needed)

\$200 – Hydraulic stools (2 needed)

\$5,000 to \$10,000 - Sports Mats (rubberized gym flooring)

\$2,500 - Conference table and chairs

Veterinary Medical Center Wish List

Surgery

\$800 – Surgical Stapler

Improved staple formation, flexibility and ease of use than current surgical staplers.

\$1,000 – Lipiodol for LN Mapping

\$1,500 – Orthomed String of Pearls (SOP) 2.0mm plate kit

SOP plates can be contoured in three planes and offer more stable fracture fixation than standard plates because the screws lock into the plate. This system is particularly useful in pelvic and spinal fracture repair and in to stabilize corrective osteotomy or fracture in close proximity to joint surfaces.

\$4,000 – Microsurgery Pack

\$5,000 – OrthoViewVET - Orthopedic digital planning software

This software package will allow the orthopedic surgeon to accurately plan surgeries using image manipulation of digital radiographs. Applications include total joint replacement, fracture repair, corrective osteotomy, and for planning surgery in animals with a ruptured cranial cruciate ligament. Digital planning is recognized to be highly accurate and allows the surgeon to deliver more consistency, and identify problem cases prior to surgery. This system also has great value in student and resident training.

\$5,000 – Additional VAC Unit

Would allow surgery to perform negative-pressure wound therapy on multiple patients.

\$7,500 – BioMedtrix Mini iLoc intramedullary interlocking nail

Interlocking nails (IN) are used to repair long bone fractures and can be inserted with minimal disruption to the soft tissues around the fracture site. For medium to large breed dogs IN are considered the "gold standard" for internal fixation, and this parallels the situation in human orthopedics. The small iLoc IN set would allow us to offer this option in small breed dogs and cats.

\$15,000 – Fluoroscopic Imaging Surgery Table

Fluoroscopic image intensification uses X-ray technology to guide and confirm implant placement through minimally invasive portals (smaller incision reduce tissue injury and accelerate recovery). Standard metal surgical tables block the X-ray beam and limit fluoroscopy to extremity surgery. This table will allow us to perform more advanced surgery (both for orthopedic implant placement and soft tissue image guided contrast studies) in a more accurate and minimally invasive fashion.

\$20,000 – Force Triad

Veterinary Medical Center Wish List

\$28,000 – Synthes Small Battery Drive

Orthopedic surgeons rely on power tools to drill (in preparation for screw placement), place screws and pins, and saw bone for fracture management and corrective osteotomy. The Small Battery Drive is a state of the art battery driven (no cumbersome pneumatic hoses) modular system (single hand piece with multiple attachments) that performs all these tasks. It is ergonomic and refined. We have one Small Battery Drive and seek to add a new model to increase efficiency and ensure that this instrumentation will be available to all orthopedic patients.

\$120,000 – Ablation Machine

\$500,000 – Kinematic CT Gait Analysis

\$900,000 – Biplanar Set-up for CT

Cranial cruciate ligament (CCL) rupture is the single most common cause of hind limb lameness in dogs. Dog owners in the US spend billions of dollars in the treatment of this condition every single year. To date however, the exact cause of and best treatment options for a torn CCL, are still not known. To better understand the cause of CCL rupture and thus define optimum treatment modalities, we need to develop a greater understanding of knee kinematics (movement) in the dog.

Biplanar fluoroscopy allows the tracking of knee motion with incredible accuracy, while the animal is awake and moving, and is considered the gold-standard method for measuring knee kinematics in people.

Fluoroscopic analysis of knee motion in the dog, was first described by Dr. Jones during his masters work at the University of Florida. He would like to further this work at The Ohio State University, to try and help understand and ultimately more-effectively treat this highly debilitating condition in dogs."

Veterinary Medical Center Wish List

Theriogenology and Reproductive Medicine*

\$25,000 – Ultrasound Equipment

Replacement ultrasound equipment to be used in large and small animals. This equipment is the most useful diagnostic tool in reproduction. It is used to determine the best time of breeding, pregnancy diagnosis, determine fetal well-being and diagnose pathologies.

\$2,000 – Resident Travel

Fund resident travel to the Annual Conference of the Society for Theriogenology.

\$3,000 – Resident Training

Funds resident travel to receive a 3-day course of transcervical insemination. This procedure has the potential to eliminate the need for surgical insemination, which can be risky for canines.

\$5,000 – Develop Teaching Videos

To support a summer work-study student that would produce several educational videos on basic veterinary procedures and client education.

\$25,000 – Endoscopy System

A state-of-the-art scope to be used in the training of students and residents for transcervical insemination of dogs. The current system was purchased in 2008. This procedure has the potential to eliminate the need for surgical insemination, which can be risky for the dogs.

\$25,000 – Equine Palpation Simulator

Simulator is used in the training of students and residents in rectal palpation. Students would be trained using the simulator before performing the procedure in live animals, decreasing the risk of injury to both the mare and student.