



Vet Pulse

From the Hospital Director

Dear colleagues,

There's a lot going on in the Lloyd Veterinary Medical Center!

We have continued to add new faculty and clinicians that amaze me every day with their enthusiasm, talent, and extraordinary attention to client and patient service. It's tough to keep up with the new ideas that they have; and as far as I'm concerned, it's a good problem to have. Take a look inside this issue to see who's new to the Lloyd VMC!

Additional equipment in the ophthalmology and internal medicine services has enhanced patient treatment. Brief descriptions of the capability of that equipment appears in this issue, too.

One of the important missions of the VMC is to provide students with clinical training. We've instituted new programs in the first- through third-year curriculum that will provide early hands-on training so students will be better prepared for the fourth-year clinical rotations. In the long run, the early training and immersive experience of the fourth year will increase the value of our graduates to practices.

As always, I'm just a phone call away. Please let me know how I can help. And, thank you for referring your patients to our hospital. Your support provides us with the opportunity to train the best veterinarians possible.

Best regards,



Dr. Tom Johnson

Director of Hospital Operations, LVMC

IMPORTANT INFORMATION FOR OUR REFERRING VETERINARIANS

Lloyd VMC Purchases State-of-the-Art Equipment to Treat Glaucoma

BY **Lionel Sebbag, Dr Med Vet**
Assistant Professor, Ophthalmology

We are excited to announce that the Ophthalmology Service recently purchased a novel device to treat glaucoma.

The equipment uses newly patented Micro-Pulse technology to deliver laser energy and lower intra-ocular pressure. Compared to previous laser units, the MicroPulse device provides a kinder, gentler approach with an improved efficacy and safety profile. While standard cyclophotocoagulation creates focal burns in the ciliary body, this novel device revolutionizes the procedure by "chopping" continuous laser waves into repetitive short pulses, thereby avoiding focal heating and burning of the tissue. This technique results in a slow, steady application of laser energy to the ciliary body.

The device can be used in dogs, cats and horses, and is a good option for patients for which medical therapy for glaucoma has become ineffective. It is also beneficial for patients with early disease as an adjunctive treatment for elevated intra-ocular pressure.

PROCEDURE

Depending on the patient's demeanor, the procedure is done under sedation or short general anesthesia. The laser probe is placed on top of the sclera and the laser energy is emitted 360 degrees to treat the underlying ciliary body. There are no incisions performed or sutures placed. Patients remain in our hospital for 24 hours for close monitoring.



FEE

At this time, the procedure fee is waived; thus the owner is solely charged for the initial consultation, anesthesia, medications, and one day of hospitalization (approximately \$600 total). In exchange, we request that the patient be rechecked at Iowa State one week post laser therapy, while subsequent rechecks (1 month, 3 months, 6 months and 1 year) can be done at your clinic or at Iowa State.

CONTACT

>> Please let us know if you have any suitable patients. Should you have any questions or comments, please contact **Dr. Lionel Sebbag** at lsebbag@iastate.edu or (515) 294-4900.

New Faces



Dr. Karin Allenspach

Internal Medicine

Dr. Allenspach is a professor in small animal internal medicine and a professor in translational health. She has a PhD in immunology and canine chronic enteropathies. She is also board-certified in small animal internal medicine. Prior to joining the Iowa State faculty in May 2016, she was a faculty member in small animal internal medicine at the Royal Veterinary College, University of London. At Iowa State she will concentrate on clinical and translational health research, with a goal of establishing Iowa State as a center of excellence for clinical trials in companion animals. Her passion lies in research into chronic enteropathies in dogs and comparative mucosal immunology and gastroenterology across the species.



Dr. Alex Gillen

Equine Surgery

Dr. Gillen is an equine surgery clinician who recently completed a residency program at Auburn University. She also completed an equine surgery internship at the Chino Valley Equine Hospital in California and an equine sports medicine and imaging internship in the United Kingdom. She previously was in private practice in the United Kingdom. She earned her veterinary degree from Magdalene College, Cambridge University (United Kingdom) in 2007.



Dr. Julie Riha

Emergency, Critical and Intensive Care Services

Dr. Riha is a 2014 graduate of Ross University. After graduation, she came to Iowa State to complete an emergency and critical care internship. She worked in emergency medicine at Iowa Veterinary Specialties before joining the faculty at the Lloyd Veterinary Medical Center. She enjoys cooking and being outdoors with her golden retriever, Delaney.



Dr. Lionel Sebbag

Ophthalmology

Dr. Sebbag graduated from the National Veterinary College of Toulouse (France) in 2011. After graduation, he completed an internship in small animal medicine and surgery at Kansas State University, followed by a four-year residency in ophthalmology at University of California-Davis. His professional interests include tear film dysfunction, feline herpesvirus, corneal innervation and corneal stem cells. Dr. Sebbag enjoys spending time with his wife, two cats and dog. He also enjoys playing sports (tennis, basketball, soccer), listening to music and playing the guitar.



Dr. Dane M. Tatarniuk

Equine Surgery

Dr. Tatarniuk is a board-certified equine surgeon. He completed his DVM training at the University of Saskatchewan in 2011, and completed a residency program in large animal surgery at the University of Minnesota in 2015. He joined the Equine Surgery Service at Iowa State in August 2016. His clinical interests include equine emergency orthopedic & musculoskeletal surgery, equine abdominal surgery, and equine lameness & sports medicine.



Dr. Rebecca Walton

Emergency, Critical and Intensive Care Services

Dr. Rebecca Walton is a board-certified veterinary emergency and critical care clinician. She earned her veterinary degree from Western University of Health Sciences (Calif.) in 2012. After graduation, she completed an internship at the University of Minnesota and her residency program at North Carolina State University where she was a K9 Down Instructor and IronDog Board Member.



Dr. Tamara Swor

Equine Surgery

Dr. Swor is a board-certified large animal surgeon (2004) and large animal criticalist (2010). Originally from North Dakota, Dr. Swor earned her DVM degree from Iowa State in 1999. Prior to joining the faculty, she was an associate veterinarian at a private practice in Texas, and associate veterinarian and large animal medical director at a private practice in North Dakota. She has also held clinical appointments at Texas A&M University and Washington State University.



Dr. Eric Zellner

Small Animal Surgery

Dr. Zellner is originally from Michigan where he earned his DVM from Michigan State University. He came to Iowa State for his rotating internship, and small animal surgery residency. He is a faculty member in the small animal surgery service. His interests include running with his border collie puppy, water skiing, and soccer.





Programs Provide Early Clinical Skills Training

BY Tracy Ann Raef

This fall semester first- and second-year students are learning clinical skills and practicing them in the Clinical Skills Laboratory that opened last spring. First-year students in the clinical foundations course are learning syringe and needle safety and handling, and canine cephalic venipuncture and practicing these skills in the clinical skills lab. First-year students are also being taught hand and instrument ties during the Veterinarian in Society course, and with the aid of a variety of models, are able to increase their skill level.

Second-year students progress to surgical instrument handling, simple sutures, pedicle ligations, and knot security.

Also this fall semester, students are learning surgical techniques in a revamped third-year surgical laboratory. Partnering with area shelters, students will get more hands-on surgical experience by performing spays and neuters in the remodeled surgical teaching laboratory (junior surgery). “The new structure of the lab will give students more surgical and case management experience,” said Dr. Joyce Carnevale, coordinator of the surgical teaching laboratory. “An important benefit to the program is each student team will be responsible for patient care of the shelter animals including vaccination and preventive care, as well as the management

>> *Continued on page 4*

Vet Med Farrier Earns New Certification from UK Farrier Association

BY Tracy Ann Raef

In October, the U.K.-based Worshipful Company of Farriers held the examination for Associate-level certification in Lexington, Kentucky. Among the two passing the certifying examination was Doug Russo, journeyman farrier at the Lloyd Veterinary Medical Center.

Russo is only one of two farriers employed at the U.S. veterinary colleges who has earned the certification of Associate from the Worshipful Company of Farriers (WCF). There are only 18 others in the United States who also hold that title.

In the United States, says Russo, the (highest) credential is certified journeyman which is equivalent to the WCF's Diploma status. Associate status is the next higher level at the WCF. The exam tests a wide range of therapeutic shoe-forging skills and the farrier's ability in remedial or consultancy shoeing.

“We are so proud of Doug for this accomplishment,” said Dr. Stephanie Caston, equine surgeon at the Lloyd VMC. “The WCF is regarded as having the highest standards in farrier examinations; the rigorous and comprehensive testing is quite a challenge. Completion of this certification is an important achievement. To have such a dedicated and knowledgeable farrier on staff at Iowa State is a vital resource and a huge benefit to clients, veterinary students, farrier students, and all of the equine clinicians.” Russo wasn't planning to take the certifying exam this year, but a fellow farrier was injured in an accident and offered his exam spot to Russo. With two months to prepare, he wasn't sure he'd be ready.

“Working at the Lloyd VMC helped me prepare,” Russo said. “A lot of the examination tests a farrier's ability to read radiographs and ultrasounds, and identify pathologies. It also assesses your knowledge of anatomy, and conditions and diseases of the equine leg and foot; as well as the farrier's ability to use modern materials in shoemaking.”

“The exam also involves testing the farrier's ability to assess a case that he or she has never experienced and working with veterinary surgeon,” Russo said. “That's where working with Drs. Stephanie Caston and Kevin Kersh (equine surgeons at Iowa State) truly helped me prepare and review for the exam.”

“Drs. Caston and Kersh always made themselves available to me while I studied, their help along with the support of college helped me achieve this goal,” Russo said. “I'm fortunate to work with this team!”

“It was a very stressful two months of prep for the Associate exam, but the process forces you to become a better farrier through the review and practice that you do to prep for it.”

The United Kingdom is the only country to require a license to be a farrier, says Russo, and the long history of farriers in the UK dates back to the early 1300s.

Now that Russo has earned the Associate level, he plans to take the examination for Fellowship in another year. The Fellowship recognizes the highest level of ability. There are only six farriers in the United States who are Fellows.

Russo will travel to London, England, in January for the WCF ceremony where he will receive his Associate certificate.



IOWA STATE UNIVERSITY


Lloyd Veterinary Medical Center

1809 S Riverside Drive | Ames, IA 50011-3619

CONNECT WITH US


Hixson-Lied Small Animal Hospital

(515) 294-4900

 /iowastateuniversityveterinaryhospital

Equine & Food Animal Hospital

(515) 294-1500

 /iowastateuniversitylargeanimalhospital

To view an electronic version of
Iowa State University Vet Pulse visit:
vetmed.iastate.edu/VetPulse

IOWA STATE UNIVERSITY Lloyd Veterinary Medical Center

Vet Pulse

INSIDE THIS ISSUE:

- 1 Glaucoma Treatment
- 2 New Faces at LVMC
- 3 Programs Provide Early Clinical Skills Training
- 3 Vet Med Farrier Earns New Certification from UK Farrier Association
- 4 New Endoscopy Equipment

Clinical Skills Training

Continued from page 3

of common disease conditions that these animals may have.”

Because shelter populations can be quite diverse, students will also gain experience with a variety of life stages from pediatrics to geriatrics. Carnevale adds that students will also receive more exposure to laboratory work such as preparing slides and drawing blood. Weekly lectures include topics such as low-stress handling and patient care management.

“Restructuring the methods of training surgical skills to students was done after in-depth evaluations of how we teach and what is best for our students in the long term,” said Dr. Tom Johnson, LVMC director of operations. “Our students will be better veterinarians and better surgeons when they have completed this new training.”

Endoscopy Equipment Purchased

The Iowa State Internal Medicine Service is pleased to announce that, with the addition of new a holmium: YAG laser to our endoscopy services, we now have the capacity to treat many urinary diseases such as ectopic ureters as well as bladder and urethral stones in a minimally invasive manner. These techniques are applicable to male and female dogs, as well as female cats.

CONTACT

>> If you believe you have a case that might benefit from a minimally invasive treatment of these conditions, please contact Dr. JS Palerme at (515) 294-4900.

PRODUCTION STAFF

Tracy Ann Raef
Heather Brewer, *Designer*

For article inquiries or submissions email:
VetPulse@iastate.edu