LETTER FROM THE LEADERSHIP

We hope that our referring partners and their families remain safe and healthy, and that your hospitals and staff continue to withstand today’s unique challenges.

The Veterinary Health Center includes all the service units of the College of Veterinary Medicine and the Veterinary Medical Diagnostic Laboratory, including our Small Animal, Food Animal, and Equine hospitals, and the Shelter Medicine Program.

Thank you for continuing to support and partner with the University of Missouri Veterinary Health Center, whose missions are to teach, heal, discover, and serve. The faculty, staff, and students of the VHC strive to provide excellent service for you, your clients, and their animals. You and your referrals help us train tomorrow’s veterinarians to be practice ready and to develop new cures for animal disease.

Our vision for the VHC is to be recognized for exemplary patient care, teaching excellence, and innovative research that advances the health and well-being of animals and people. We are on a mission to improve animal health and welfare by:

- Providing state-of-the-art clinical services for patients, clients, and veterinarians
- Providing quality instruction for professional veterinary students and postgraduate trainees
- Conducting research relevant to important human and animal health concerns
- Advancing education for veterinarians, veterinary technicians, and the public

We continue to develop our faculty, facilities, and equipment to provide your clients with excellent service and educate tomorrow’s veterinarians. This year we are celebrating the development and opening of facilities housing an equine standing CT (computed tomography scanner) and small animal sports medicine and rehabilitation, both of which were completed in July 2023.

Our standing CT augments diagnostics and treatments for limb and head disorders in horses and other large animal species. This state-of-the-art technology is one of only seven across the U.S. and the only one in Missouri. With this equipment, we can deliver high-quality imaging in a fraction of the time of other imaging modalities and without the need for general anesthesia.

The Small Animal Sports Medicine and Rehabilitation Service, housed in the Wallenberg Small Animal Sports Medicine and Rehabilitation Suite, aims to be Missouri’s premier performance and rehabilitation center for companion animals. It offers care for world-class athletes, working animals, and cherished pets. Dr. Bess Pierce, a board-certified specialist, leads a team that delivers leading-edge care to enhance recovery, optimize performance of daily life and sport activities, and improve quality of life for patients needing care. Many advanced techniques are available, including underwater and dry treadmills, imaging diagnostics, therapeutic ultrasound and laser therapies, dry needle therapy, acupuncture, and therapeutic exercises.

We would also like to highlight clinical trials currently ongoing in the Columbia hospital. Our Oncology Service provides sophisticated, compassionate care for animals by world-class doctors and technical staff. The Oncology Service, led by Dr. Jeffrey Bryan, hosts 15 current clinical studies, which not only allows Mizzou to be a leader in animal cancer trials, but offers the latest therapeutic options for patients. Our oncologists also collaborate with MU Health oncology departments and the Ellis Fischel Cancer Center through the NextGen Precision Health initiative, providing precision medicine and cancer innovations to Missouri and worldwide. More information is available at: https://vhc.missouri.edu/clinical-trials/.

Additional 2023 highlights include:

- The VHC-Columbia is in the process of renovating our quiet rooms to provide a more calming and soothing environment for your clients and their animals.
- Kaleigh Feldkamp, a social worker, joined our team and provides help and support to our clients and staff when the need arises due to illness or loss of a pet. Additionally, Ms. Feldkamp is developing support groups for grief loss therapy.
- Dr. Susan Starr was appointed medical director of the VHC-Wentzville. Her dedicated team provides much needed oncology services to the greater St. Louis area.

All our faculty, staff, technicians, and students do their utmost to provide an outstanding experience for your clients, including informing you on the progress of your referral. We were happy to add the following faculty members to our team during 2023:

- Dr. Gabi Baers joined our Radiology faculty after completing her residency with us.
- Dr. Kelly Gravitt joined our Equine Ambulatory team. All three of our equine ambulatory practitioners are now certified by the ABVP (equine practice)!
- Dr. Lyndsey Hayden joined our Equine Surgery team. She completed her surgery residency with us.
- Dr. Laurie Frasher, an MU alum, joined our Small Animal Emergency team.
- Dr. Juri Kuroki joined our Ophthalmology faculty after working in private practice.
- Dr. Elena Leavitt completed her nutrition residency with us and is now the VHC’s clinical nutritionist.
- Drs. Taya Marquardt and Lee Talbott joined our Oncology Service. Dr. Marquardt came to MU from Mississippi State University and Dr. Talbott from Angell Animal Medical Center.
- Dr. Ashton Story joined our Orthopedic Surgery Service after completing her residency at MU, and Dr. Joanie Dornbusch joined the Soft Tissue Surgery faculty after completing her training at The Ohio State University.
- Dr. Fabio Pinalli joined our Theriogenology Section after spending time on faculty at Oklahoma State University.
- Dr. Meagan Brophy Rau completed a dentistry residency and now offers specialty dentistry services at the VHC.
- During 2024, we will add two small animal orthopedic surgeons and a radiation oncologist to our roster.

This 23rd edition of the Referring Veterinarians Guide is a resource to assist you in referring cases
to the Veterinary Health Center. We hope both you and your clients will also explore our website, www.vhc.missouri.edu, to learn more about our facility and services.

For our referring veterinarians:
- Detailed information on how to make a referral
- What clients can expect when they arrive at the VHC
- Printable referral forms to send with your clients, including a place for you to share requests and concerns
- Information on consultative services, including radiographic and nutritional consultation forms
- Details on our overnight transfer service, which allows your patients to spend the night in our ICU and return to your hospital the following morning
- Patient Portal to access most of your patients’ records in real time, including laboratory data to facilitate your patients’ care

For clients:
- Information on what to expect during their visit
- Responses to frequent questions, including the roles of students, interns, and residents in patient care
- Information on billing and financing policies and a link to pay bills online
- Details on each of the VHC services and sections
- Driving directions and parking, lodging, and dining information

For both you and your clients:
- Information on clinical trials
- Links to make donations in honor of people or pets

The VHC hospitals benefit from a close relationship with the Veterinary Medical Diagnostic Laboratory. The hospitals and lab enjoy a strong synergy and work closely to solve complex problems for your clients. Information on services provided by the laboratory can be found at www.vmdl.missouri.edu or by calling 800-862-8635.

Of course, there are challenges to operating a veterinary practice in these times, including maintaining adequate staffing. We continue to work diligently to soon return to staffing adequate to allow small animal referrals 24 hours a day, seven days a week, 365 days a year.

Large animal veterinary care and emergency service continue 24 hours a day.

Again, please accept our heartfelt thanks for your support. Your support of our mission through patient referrals, constructive feedback, and student mentorship is appreciated!

Sincerely,
John R. Dodam, DVM, MS, PhD, Dipl. ACVAA
Professor and Chair
Department of Veterinary Medicine and Surgery

Gerelyn Henry, DVM, MBA, Dipl. ACVP
Clinical Professor
Department of Veterinary Medicine and Surgery
Hospital Director
Veterinary Health Center
The Equine Hospital provides all aspects of patient care, from on-farm preventive medicine to complex referral care. The MU Veterinary Health Center is on the cutting edge of lameness diagnosis and treatment. A team of veterinary specialty clinicians, residents, interns, students, technicians and assistants provide your client’s horse with the best medical care.

AMBULATORY
The Equine Ambulatory Program operates trucks with three faculty veterinarians and three rotating interns. The team offers a full spectrum of services.

- Upper airway endoscopy
- Gastroscopy
- Digital ultrasound
- Digital radiography
- Lameness examinations
- Equinosis Lameness Locator
- Preparation of IRAP, PRP and stem cell therapy
- Routine and advanced dentistry
- Electronic Coggins and health certificates available next day
- Vaccinations

MEDICINE
Our Internal Medicine team provides superior emergency, intensive and elective care for a wide variety of conditions. The advanced diagnostic testing capabilities, treatment modalities and collaboration among specialty services within the Veterinary Health Center allow for the most comprehensive care possible in the Midwest. Services include:

- Abdominal and thoracic ultrasonography and radiography
- Computed tomography (CT scan)
- Gastric, respiratory and urinary endoscopy
- Ophthalmology, dermatology and oncology
- Cardiology (echocardiogram and continuous telemetry)
- Neurology and neonatal foal medicine
- Gastroenterology (gastric ulcers, colic and colitis)
- Myopathy and nutritional evaluations
- Hepatic and renal system assessments
- Dentistry and oral surgery
- Infectious disease management and isolation
- On-site endocrinology diagnostic testing (PPID and EMS)
- 24-hour emergency and intensive care services

SURGERY
A full spectrum of elective and emergency surgery and lameness services are available, including arthroscopy, abdominal surgery, wound treatment, fracture repair, respiratory surgery, laparoscopy, sinus and dental surgery, tendon/ligament surgery, MRI, nuclear scintigraphy (bone scan), podiatry services and regenerative therapies.

- Equine surgery specialists
- State-of-the-art hospital facilities
- Cutting-edge lameness diagnosis and therapy
- Advanced diagnostics and instrumentation

EQUINE RESIDENTS

Gabrielle Gonzalez DVM
Kristen McCurdy BVSc
Alexandra Warren DVM

EQUINE INTERNS

Jessy Maddux DVM
Haley Rauch DVM
Bethany Roof DVM

EQUINE TECHNICIANS

Joyce Guthrie RVT
Olivia Cook RVT
Hannah Blake

JOHANNE KRAMER
DVM, MS, DACVIM
Teaching Professor
Surgery

ALISSON LACARRUBBA
DVM, DABVP
Associate Teaching Professor
Internal Medicine

LINDSEY HAYDEN
DVM
Clinical Instructor
Surgery

PHILIP JOHNSON
BVSc (hons), MS, MRCVS, DACVIM, DECVD
Professor
Internal Medicine

KEVIN KEEGAN
DVM, MS, DACVS
Professor
Surgery, Director of E. Paige Laurie Endowed Equine Lameness Program

JOYCE GUTHRIE
RVT
RVT Supervisor

HANNAH BLAKE
Olivia Cook RVT

VETERINARY ASSISTANTS

Emily Borgerding
Melody Canote BS
Breyon Johnson

Avery Samuel
Lisa Sandford BS
The VHC Food Animal Hospital is one of the busiest food animal hospitals in North America. The bulk of the caseload consists of traditional agricultural animals, including beef cattle, dairy cattle, swine, sheep and goats. The clinic also provides services to nontraditional livestock owners.

SERVICES AT THE VETERINARY HEALTH CENTER

- Medicine and surgery specialists
- Full-service hospital that caters to both inpatients and outpatients
- 24-hour emergency service
- 24-hour intensive care available for inpatients
- Indoor animal handling facility including rotating chute, squeeze chute with scale and cattle transport chutes
- State-of-the-art surgical facility
- Diagnostic imaging capability (radiography, ultrasound, CT and MRI)
- Endoscopy
- Access to specialists/experts in radiology, oncology, cardiology, ophthalmology, neurology, emergency and critical care, dentistry, dermatology, nutrition and surgery
- Acupuncture

AMBULATORY/PRODUCTION MEDICINE

- Full-service ambulatory service equipped for routine and emergency care of healthy and sick animals or groups of animals
- Medicine specialists
- Preventive medicine specialist
- 24-hour emergency service
- Regulatory medicine (Certificates of Veterinary Inspection, TB testing, Brucellosis testing and vaccination)
- Disease outbreak investigation
- Herd-level production medicine consultation (cow/calf, dairy, feedlot, swine, sheep, goats and camelids)
- Reproduction

FOOD ANIMAL MEDICINE AND SURGERY FACULTY

- Pamela Adkins
  DVM, MS, DACVIM
  Assistant Professor, Coordinator Veterinary Public Health Emphasis Area, Assistant Director Agriculture Experiment Station
- C. Austin Hinds
  DVM, MS, DACVIM-LA
  Teaching Professor
- Luis Rivero
  DVM, MS, DACVIM-LA
  Assistant Teaching Professor
- Corinne Bromfield
  DVM
  Assistant Extension Professor (Swine)
- Celeste Morris
  DVM, MBA, MPVM, DACT
  Assistant Teaching Professor
- Loren Schultz
  DVM, MS, DACVPM
  Associate Teaching Professor

FOOD ANIMAL MEDICINE AND SURGERY INTERNS

- Elimar Ruiz Cortes
  DVM
- Jessy Maddux
  DVM
- Alexandra Unis
  DVM

VETERINARY TECHNICIAN

- Justyne Adams

VETERINARY ASSISTANTS

- Not Pictured
  Sarah Estes

Kaitlin Dobson
THERIOGENOLOGY

The Theriogenology Service provides routine and advanced breeding services for all domestic animals.

- Synchronization
- Artificial insemination
- Pregnancy diagnosis
- Breeding soundness examinations
- Embryo flush, transfer and freezing
- Semen collection, freezing and shipment
- Diagnostic services for reproductive disease or infertility
- Emergency service for animals in dystocia

THERIOGENOLOGY FACULTY

Julia Baldridge* DVM, PhD, DACT Associate Teaching Professor
Corinne Bromfield DVM Assistant Extension Professor (Swine)
Craig Payne DVM, MS Associate Extension Professor (Beef)
Scott Pock DVM, DABVP Associate Extension Professor (Dairy)

ANESTHESIOLOGY

From kittens to the largest draft horses, patients at the Veterinary Health Center require the services of the Anesthesiology Section. The sophisticated patient services provided by the other areas of the hospital require equally sophisticated anesthesiology for the highest quality in patient care.

- We anesthetize specialized cases as well as routine procedures performed as part of our local practice.
- We provide pain management and critical care for hospitalized patients.

The anesthesiology faculty welcomes both companion and large animal consultations as well as related questions from private veterinarians. The anesthesiology faculty can be reached at 573-882-7821.

ANESTHESIOLOGY FACULTY

Alex Bukoski* PhD, DVM, DACVAA Associate Professor
John Dodam DVM, MS, PhD, DACVAA Professor and Department Chair
Malori Stewart RVT Senior RVT

EXTENSION SERVICES

The Extension faculty serves the State of Missouri by providing veterinarians and producers with up-to-date information on the practice of veterinary medicine as it relates to production agriculture.

EXTENSION FACULTY

Corinne Bromfield DVM Assistant Extension Professor (Swine)
Craig Payne DVM, MS Associate Extension Professor (Beef)

Scott Pock DVM, DABVP Associate Extension Professor (Dairy)

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Craig Payne DVM, MS Associate Extension Professor (Beef)
Scott Pock DVM, DABVP Associate Extension Professor (Dairy)
SMALL ANIMAL SPORTS MEDICINE AND REHABILITATION

The Small Animal Sports Medicine and Rehabilitation Service provides a broad range of performance-related and rehabilitative services to small animal patients. Using leading-edge technology to evaluate, diagnose and treat a variety of conditions, we aim to improve quality of life, mobility, and performance of our patients through evidence-based practice.

The service utilizes the most advanced techniques available including extensive imaging diagnostics; therapeutic modalities, such as underwater and dry land treadmills; therapeutic ultrasound and photobiomodulation (laser); dry needle acupuncture and manual therapy; extracorporeal shock wave therapy; joint and soft tissue injection therapies; mobility aids; and therapeutic exercises. Using a multi-team approach with a variety of VHC services, our Sports Medicine and Rehabilitation specialist provides services that include:

- Lameness evaluation, diagnostics and non-surgical rehabilitation therapies
- Pre- and post-procedure rehabilitation for a variety of orthopedic and neurologic conditions
- Limb difference (congenital or acquired) rehabilitation
- Arthritis and chronic pain management
- Weight management and mobility support devices
- Quality of life enhancement for pets affected by chronic disease
- Therapeutic exercise programs
- Athletic/working/service dog performance evaluation and conditioning programs

NEUROLOGY AND NEUROSURGERY SERVICE

The Neurology and Neurosurgery Service is led by faculty members who are specialists in veterinary neurology by the American College of Veterinary Internal Medicine or European College of Veterinary Neurology. The service offers the latest in diagnostic tests and medical and surgical treatments.

- Advanced imaging, such as MRI or CT, to view the brain or spinal cord
- Electrodiagnostic testing to identify seizure disorders and diseases of the muscles and peripheral nerves
- CSF analysis to detect infections of the nervous system
- DNA testing for genetic diseases
- Surgical procedures involving the spine, brain and nerves to include decompressive and stabilization procedures

NEUROLOGY AND NEUROSURGERY FACULTY

Bess Pierce* DVM, MS, DABVP, DACVIM, DACVS NR
Teaching Professor
Small Animal Sports Medicine and Rehabilitation

Joan Coates* DVM, MS, DACVIM
Professor

Sissy Hong
DVM, MVC, MS, DACVIM, CCAT
Assistant Teaching Professor

Dennis O’Brien
DVM, MS, PhD, DACVIM
Adjunct Professor Emeritus

NEUROLOGY AND NEUROSURGERY RESIDENTS

Nicole Alleva
DVM

Allison DuPont
DVM

Kara Majors
DVM

Elizabeth Meiman
DVM

COMPARATIVE NEUROLOGY PROGRAM RESEARCH INTERN

Samantha Marzano
DVM

*head of section
The Radiology Section provides comprehensive services to the Veterinary Health Center in all types of imaging.

- Radiography
- Fluoroscopy
- Ultrasound
- Computed tomography for large and small animals
- Magnetic resonance imaging for horses and small animals
- Nuclear scintigraphy
- Positron emission tomography
- Interventional radiology procedures
- Through its referral interpretation and telephone consultation services, the radiology section provides support and individual continuing education to Midwest veterinarians.

The Radiology Section is one of fewer than five services in the country providing comprehensive radiation therapy service for clinical patients, including external beam and implantable and injectable radiation therapy. The section has been instrumental in the initial development of at least two products: Quadramet (intravenous drug for treatment of metastatic bone cancer) and Therasphere (transarterial treatment of liver cancer) that are now approved for and commonly used in both veterinary and human medicine.

**RADIOLOGY FACULTY**

- Gabriela Baers
  DVM, DACVR
  Associate Teaching Professor
- Jimmy Lattimer*
  DVM, MS, DACVR, DACVR-RO
  Associate Professor
- James Karnia
  DVM, DACVR
  Assistant Teaching Professor
- Joni Luceford
  BS, CNMT
  Nuclear Medicine Technologist
- Heidi Weideman
  R.T. (R) (ARRT)
  Nuclear Medicine Technologist

**RADIOLOGY RESIDENTS**

- Rachel Boumgardner
  DVM
- Emily Clarke
  DVM
- Marta Hura
  DVM
- Ki Tae Kim
  DVM
- Fern Nelson
  MRCVS
- McKenna Sheriff
  DVM
- Shayna Streu
  DVM
- Kiran Vasudeva
  DVM
- Jessica Edmeier
  DVM
- Zachary Marcus
  DVM

**RADIOLOGY SPECIALTY INTERNS**

- Jodi Matheson
  DVM, DACVR
  Associate Teaching Professor
- Rachel Baumgardner
  DVM
- Heidi Weideman
  R.T. (R) (ARRT)

**RADIOLOGIC TECHNOLOGISTS**

- Barb Fennel-Moll
  BS, R.T. (R) (ARRT)
  Ultrasonographer
- Rachel Craig
  BS, R.T. (R) (CT) (ARRT)
- Ryan White
  R.T. (R) (ARRT)
- Allison Williams
  BS, R.T. (R) (ARRT)
The Cardiology Service of the University of Missouri Veterinary Health Center offers evaluation of heart disease, specializing in the diagnosis and treatment of congenital and acquired heart disease in companion animal, food animal and equine species.

- Complete echocardiographic, radiographic and electrocardiographic evaluations
- Breed certification examinations
- 24-hour ambulatory electrocardiography (Holter monitoring), event monitors and implantable loop recorders
- Blood pressure monitoring
- Pericardiocentesis
- Cardiac catheterization procedures, including diagnostic angiography, intravascular occlusion of patent ductus arteriosus and other vascular shunts, balloon valvuloplasty for pulmonic and subaortic stenosis, memranoplasty, myocardial biopsies and heartworm retrieval.
- Transvenous pacemaker implantation
- Cardiac-gated computed tomography
- Cutting-edge medical therapies

Complete veterinary ophthalmology diagnostic, medical and surgical services are provided for companion animal, food animal and equine species.

- Treatment for eye disorders of domestic and non-domestic species including ocular trauma, dry eye, glaucoma, inflammation of the eye (uveitis), cataracts, tumors, eyelid abnormalities and retinal diseases
- Breed certification eye examinations of purebred dogs and horses via annual diagnostic screenings for inherited or congenital eye disorders
- Special research foci at the MU College of Veterinary Medicine include corneal wound healing, therapies for corneal fibrosis, novel treatments for eyelid tumors in horses, and heritable retinal diseases in cats.

**OPHTHALMOLOGY FACULTY**

- Elizabeth Giuliano*
  DVM, MS, DACVO
  Professor

- Rajiv Mohan
  MS, PhD, FARVO
  Professor Ophthalmology and Molecular Medicine,
  Ruth M. Kraeuchi Missouri Endowed Chair Professor of Ophthalmology,
  Director Ophthalmology One-Health Research Program,
  Director Resident Research Mason Eye Institute

**OPHTHALMOLOGY RESIDENTS**

- Brayden Routh
  DVM

- Aaron Steven
  DVM

**OPHTHALMOLOGY SPECIALTY INTERN**

- Albert D’Agostino
  DVM

**CARDIOLOGY FACULTY**

- Stacey Leach*
  DVM, MS, DACVIM
  Associate Teaching Professor

- Kelly Wiggen
  DVM, DACVIM
  Assistant Teaching Professor

- Rajiv Mohan
  MS, PhD, FARVO
  Professor Ophthalmology and Molecular Medicine,
  Ruth M. Kraeuchi Missouri Endowed Chair Professor of Ophthalmology,
  Director Ophthalmology One-Health Research Program,
  Director Resident Research Mason Eye Institute

**CARDIOLOGY RESIDENTS**

- Elizabeth Martin
  DVM

- Alex Seavedra
  DVM

**CARDIOLOGY INTERN**

- Michael Haynes
  DVM

**VETERINARY TECHNICIAN**

- Kendra Cullison
  RVT
  Senior RVT

**VETERINARY ASSISTANT**

- Kelsey Brown
  RVT
  Lead RVT

**VETERINARY TECHNICIAN**

- Lauren Roewe
The Community Practice Section at the MU Veterinary Health Center serves many functions for its patients and clients. As generalists (similar to family practice MDs) our veterinarians see dogs and cats for medical and surgical problems, as well as for maintenance of wellness, prevention of disease, and maximizing quality of life for our patients and their owners. We have special interests in nutrition, skin and ear infections, parasite prevention and treatment, and behavior problems.
DENTISTRY

The Dentistry Service of the University of Missouri Veterinary Health Center offers evaluation of oral disease, specializing in the diagnosis and treatment of developmental and acquired dental disease in companion animals. With the assistance of our anesthesiology team, each patient receives a comprehensive oral health assessment and treatment (COHAT). A COHAT includes visual, radiograph and probing assessment of the teeth, evaluation of the facial bones, TMJ, gingiva, mucosa, tongue, salivary glands, lymph nodes and palate.

We offer a complete range of veterinary dentistry services.

- Complete oral and dental evaluations
- Dental radiography and head CT scans
- Routine and complicated surgical extractions
- Endodontics, including root canal therapy, vital pulp therapy
- Prosthodontics, custom fitting for crowns
- Advanced periodontal procedures
- Orthodontics
- Oral fracture repair
- Tumor removal

Appointments are needed for dentistry consultations and procedures. A dentistry consultation is an awake examination of the dog or cat where the pet and owners meet with the veterinarian. At the time of the initial consult examination, the oral health assessment, treatment plan and cost estimate are discussed with the owner.
The Oncology Service provides advanced, compassionate cancer care for animals. We are an integrated oncology service offering surgery, chemotherapy, radiation therapy, and immunotherapy for animals with cancer. Clinicians and house officers strive to advance evidence-based cancer medicine among all species with an emphasis in comparative medicine research. Clinical trials may be available to help subsidize the costs of some cancer treatments. https://vhc.missouri.edu/small-animal-hospital/oncology/clinical-trials/

- Consult service for veterinarians that handles approximately 1,000 consult calls annually
- Published academic literature by VHC oncologists is available through PubMed and a great resource for finding the latest treatment and diagnostic information for your patients
- Individualized treatment plans to meet the needs of both the client and the patient
- Access to cutting-edge imaging and therapy options through clinical trials
- Positron emission tomography imaging for detecting and staging tumors
- The latest CT and MRI scanners for accurate treatment planning
- Radiopharmaceuticals for treatment of various cancer types — only a few veterinary hospitals worldwide offer the variety of agents available at VHC
- State-of-the-art linear accelerator for highly focused, effective radiation treatment for mast cell tumors, soft-tissue sarcomas, brain and other tumor types
- Client support service available to assist clients with the emotional side of their pet’s disease and helping them manage the challenges of caring for a cancer patient
- Knowledgeable, compassionate and skilled oncology technicians and assistants

**Oncology Faculty**

Jeffrey Bryan* DVM, MS, PhD, DACVIM
Professor, Director Scott Endowed Program in Veterinary Oncology

Shirley Chu DVM, PhD, DACVIM
Assistant Clinical Professor

Yoshimi Iwaki DVM, DACVIM
Assistant Teaching Professor

Taya Marquardt DVM, MS, DACVIM
Associate Teaching Professor

Megan Mickelson DVM, DACVS-SA, ACVS Fellow, Surgical Oncology
Assistant Professor

Owen Skinner BScV, DECVS, DACVS-SA, MBVS, ACVS Fellow, Surgical Oncology
Assistant Professor

Lee Talbott DVM, DACVIM
Assistant Teaching Professor

Katherine Olson DVM

Charles Moir* DVM, PhD, DACVR-RO
Assistant Professor

**Oncology Residents**

**Radiation Oncology Faculty**

Jimmy Lattimer DVM, MS, DACVR, DACVR-RO
Associate Professor

Charles Moir* DVM, PhD, DACVR-RO
Assistant Professor

Allison Barbour DVM

Christine Tran Hoang DVM

Allison Naclerio DVM

**Radiation Oncology Residents**

Samantha Crist DVM

Valerie Moreles DVM

Ada Naramor DVM

Whitney Wyatt DVM

**Veterinary Technicians**

Anastasia Glauba RVT, VTS (Oncology), BS, MBA
RVT Supervisor

Whitney Fahrenfeld RVT
Radiation Oncology Lead RVT

Michele Zelaya RVT
Medical Oncology Senior RVT

Malissa Hoehn DVM

**Veterinary Assistants**

Cierra Layton DVM

Carrie Piquard DVM

Megan Richter DVM

Bailey Teel DVM

*Head of section
The MU Veterinary Health Center offers emergency services 24 hours a day, seven days a week. Due to temporary staffing shortages and a high volume of emergencies, our Small Animal Emergency Service is currently unable to provide 24-hour emergency care for all animals. At present we are prioritizing care to animals likely to suffer significant morbidity without immediate care. We are limited to seeing only current patients from midnight to 6 a.m. Although emergency patients do not require appointments, a call in advance to alert the SAECC service will facilitate preparedness and the best possible care. Patients receive a complete evaluation by the emergency veterinarian on duty and the client is informed of the findings of the examination. Diagnostic and treatment plans are recommended and a complete estimate for emergency stabilization is provided to the client. Routine diagnostics, such as lab work and plain-film radiographs, can be performed at any time, and stabilization, intensive care hospitalization and 24-hour monitoring are provided as needed.

Emergency diagnostic, surgical and treatment decisions are made on a case-by-case basis and in consultation with the appropriate specialty service. Communications with the primary care veterinarian for each patient seen during evenings and weekends include a fax or e-mail sent the next day to inform the pet’s veterinarian of initial findings.

We work diligently to keep our VHC web page up to date, including a meet the team page with bios and photos: https://vhc.missouri.edu/small-animal-hospital/emergency-and-critical-care/meet-the-team/
The Small Animal Internal Medicine Service provides secondary and tertiary care to animals with complex disease processes. We work with your practice to form a health care team for the management of long-term medical problems. We use specialized modalities, including rhinoscopy, bronchoscopy, gastrointestinal endoscopy, videofluoroscopic swallowing studies, and cystoscopy, to facilitate disease diagnosis and treatment. The addition of new faculty and resident positions have enabled the Internal Medicine Service to expand and accommodate more cases. Examples of diseases interns evaluate and treat include:

- Respiratory disease such as chronic cough, tracheal collapse or nasal discharge
- Gastrointestinal disease such as megaesophagus, chronic diarrhea or vomiting
- Liver disease, such as hepatic lipidosis or cirrhosis
- Urinary disease, such as urinary stones, chronic urinary infection or kidney failure
- Endocrine disease, such as Cushing’s disease or diabetes mellitus
- Hematologic disease, such as hemolytic anemia or thrombocytopenia
- Infectious diseases, such as histoplasmosis, cyauxzoonosis and antibiotic-resistant bacterial infections
- The SAIM Service has subspecialty clinics including the BREATHE Clinic for respiratory and aerodigestive disorders and a nephrology/urology clinic.

MINIMALLY INVASIVE INTERVENTIONAL PROCEDURES

We are pleased to offer minimally invasive procedures to treat blockages, shunts, ectopic ureters, some tumors and tracheal collapse. The Small Animal Internal Medicine Service, Cardiology, Radiology, and Soft Tissue Surgery services provide the following procedures:

- Tracheal stenting
- Urethral stenting
- Laser correction of ectopic ureter
- Subcutaneous ureteral bypass
- Feeding tube placement
- Intrahepatic portosystemic shunt occlusion
- Patent ductus arteriosus occlusion
- Chemoembolization of intrahepatic tumors
- Temporary nephrostomy drainage catheters for renal obstruction with pyelonephritis
- Nasopharyngeal stenting
- Colonic stenting
- Holmium balloon or laser lithotripsy
- Balloon valvuloplasty and intracardiac membranoplasty
- Temporary and permanent transvenous pacemaker implantation
SMALL ANIMAL SURGERY

The Small Animal Surgery Service comprises four divisions: orthopedics, soft tissue surgery, surgical oncology and the Motion Analysis Laboratory. We look forward to expanding our team with the addition of two more surgeons in the fall of 2024.

ORTHOPEDIC SURGERY
A full array of elective and emergency orthopedic procedures are offered, including total hip replacement, arthroscopy, tibial plateau leveling osteotomy, complex patellar luxation correction, limb alignment and deformity correction, fracture repair, minimally invasive techniques, and the management of a wide variety of sports-related injuries. Diagnostic capabilities include radiography, MR, CT, ultrasound, kinetic/kinematic gait analysis and 3D printing.

SOFT TISSUE SURGERY
We offer emergency surgical care 365 days per year and provide advanced surgical procedures including abdominal, thoracic, reconstructive, head and neck, upper and lower airway, rectal and perianal, and wound management. Progressive, state-of-the-art surgical options are also available. These include laparoscopy and video-assisted thoracic surgery, minimally invasive urinary stone removal, cystoscopic-guided urinary tract interventions, and CO2 laser surgery.

SURGICAL ONCOLOGY
Surgical oncology functions as part of an integrated oncology service with medical oncology and radiation oncology. Daily collaborative rounds ensure that patients and their owners are provided with the treatment options that best fit them. We are able to offer surgery for a wide range of tumors, including oral cancers, thyroid carcinoma, thymoma, pulmonary carcinoma, hepatic tumors, adrenal tumors, solid intestinal tumors, selected urogenital tumors, osteosarcoma, skin and subcutaneous cancers and anal sac adenocarcinoma.

MOTION ANALYSIS LAB
This facility is designed to aid veterinarians with the evaluation, identification and treatment of patients with musculoskeletal and neurologic conditions. It is equipped with advanced equipment for the study of motion — including systems to evaluate weight bearing along with multiple camera systems to study motion. We provide advanced testing with cutting-edge gait analysis for companion animals with lameness and pain associated with osteoarthritis and joint disease, soft-tissue injuries, and for the monitoring of pain management and rehabilitation strategies.
Our services to assist with patient care include:

- Recommendations on therapeutic diet selection, implementation and follow-up plans
- Custom diet formulation when an appropriate commercial therapeutic diet is not available, accepted or tolerated
- Assisted feeding recommendations, including parenteral nutrition and indwelling tube feeding

Initiation of consultation is requested by written referral from an MU VHC veterinarian for a cat or dog that has been medically evaluated or treated at the MU VHC in the past six months. A nonrefundable deposit is charged for any consultation, which covers full medical and nutrition history evaluation (back to birth when possible) and a 30-minute Zoom meeting with Nutrition to discuss recommendations. Additional charges may apply but will not be pursued until after the Zoom meeting when Nutrition and the owner have agreed on next steps and cost.

Pertinent medical records from all primary care veterinarians should be submitted with consultation request forms. At this time, the Nutrition Service is unable to accommodate external consultations. Any owners or veterinarians who desire a consultation must have had the cat or dog medically evaluated or treated by MU VHC within the past six months.

RESEARCH CENTER
FOR HUMAN-ANIMAL INTERACTION (RECHAI)

Founded in 2005, ReCHAI’s mission is to study and promote the health benefits of human-animal interaction (HAI) for people and companion animals.
MEDICAL ONCOLOGY, RADIATION ONCOLOGY AND IMAGING

The VHC at Wentzville offers state-of-the-art oncology services conveniently located for St. Louis metro area pet owners.

We provide advanced, compassionate and individualized cancer care for animals. We help diagnose and stage cancers, discuss prognosis and treatment options, and guide clients as they make important decisions regarding their pet’s health care. We also offer phone consultations to referring veterinarians.

Radiation therapy can be utilized to shrink tumors and prevent their recurrence, thus improving the quality of life for our patients and their families.

If indicated, we routinely refer patients to Columbia for surgical oncology, stereotactic radiation therapy and clinical trial consultations.

Diagnostics and treatments include:

- Computed tomography (CT)
- Diagnostic x-ray
- Limited radiation therapy, subject to change
- Chemotherapy
- Clinical trials

DERMATOLOGY

The Missouri Veterinary Dermatology Center in Wentzville is operated by CARES LLC and has added a second dermatologist to increase the number of patients we can help by diagnosing and treating allergies, bacterial and fungal infections, ear diseases, parasitic skin diseases, endocrine and metabolic skin disorders, immune-mediated skin diseases, skin tumors, nail and nail bed diseases and other dermatoses.

Services include:

- Intradermal testing to identify allergies
- Injectable and oral allergen-specific immunotherapy
- Video otoscopy for deep ear flushes, myringotomies, bulla cultures and removal of foreign bodies and polyps from the ear canal
- Use of carbon dioxide laser to remove skin growths and treat severe pododermatitis

DERMATOLOGY VETERINARIANS

Karen Campbell
DVM, MS, DACVIM, DACVD
Adjunct Clinical Professor Veterinary Dermatology

Sarah Hoff
DVM, MPH, DACVD
Adjunct Assistant Professor Veterinary Dermatology

VHC AT WENTZVILLE VETERINARIANS

Karen Campbell
DVM, MS, DACVIM, DACVD
Adjunct Clinical Professor Veterinary Dermatology

Sarah Hoff
DVM, MPH, DACVD
Adjunct Assistant Professor Veterinary Dermatology

Not Pictured
Lori Aulbert receptionist

OFFICE STAFF

Carla Zerbolio
Office Supervisor

LOCATION

1092 Wentzville Parkway, Wentzville, MO 63385
636-332-5041 vhc.missouri.edu/wentzville
email: vhcw@missouri.edu

ROAD MAP

Phone: 573-882-7821 | Web site: vhc.missouri.edu | E-mail: vhcrefdvm@missouri.edu

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Calls from referring veterinarians and identified as an emergency will be accepted at any time. However, during the times listed below, clinical services may not be available for consult calls from veterinarians.

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>MON-FRI</th>
<th>MON-THU</th>
<th>FRIDAY</th>
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<tbody>
<tr>
<td>SMALL ANIMAL INTERNAL MEDICINE</td>
<td>8-9 am</td>
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<td></td>
<td>1:30-3 pm</td>
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<tr>
<td>COMMUNITY PRACTICE, DERMATOLOGY</td>
<td>TUES and THURS 3-4 pm</td>
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<tr>
<td>ORTHOPEDIC SURGERY</td>
<td>8-8:30 am</td>
<td>4-5 pm</td>
<td></td>
</tr>
<tr>
<td>SOFT TISSUE SURGERY</td>
<td>4-5 pm</td>
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<tr>
<td>SMALL ANIMAL EMERGENCY AND CRITICAL CARE</td>
<td>Always available for emergency calls and cases</td>
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<tr>
<td>DENTISTRY, NEUROLOGY</td>
<td>8-9 am</td>
<td>4-5 pm</td>
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<tr>
<td>ONCOLOGY</td>
<td>MON 8-10 am</td>
<td>MON-THU</td>
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<td>TUES 8-9 am</td>
<td>8-8:30 am</td>
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<td>MON-FRI 3-4 pm</td>
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<td>OPTHALMOLOGY</td>
<td>8-9 am</td>
<td>1-2 pm</td>
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<td>CARDIOLOGY</td>
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<td>RADIOLOGY</td>
<td>8-10 am</td>
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<tr>
<td>FOOD ANIMAL MEDICINE AND SURGERY</td>
<td>8-9 am</td>
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<tr>
<td>EQUINE MEDICINE</td>
<td>8:30-9:30 am</td>
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<tr>
<td>EQUINE SURGERY</td>
<td>8:30-9:30 am</td>
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Website
Please suggest that your clients look at our website, vhc.missouri.edu, prior to their visit to learn much more about our hospital.
FREQUENTLY ASKED QUESTIONS

WHO WILL TREAT MY CLIENT’S ANIMAL?
This is a teaching hospital where students in their final two years of veterinary education learn from our care of patients. They participate in patient care, but in no instance determine patient care. Clinical faculty supervise all student involvement with our patients. If an animal’s illness requires hospitalization, a student knowledgeable about the animal will call the owner daily to update the owner on the animal’s condition.

WHAT CAN OWNERS EXPECT DURING THEIR APPOINTMENT?
For consultations, please complete the VHC Referral Form found at vhc.missouri.edu under Referrals and send via email to vhcrefdvm@missouri.edu. Please also send your client with a copy of their animal’s records and radiographs. We try our best to stay on schedule. Please ask clients to notify us as soon as possible if they are unable to keep an appointment. Completion of new patient forms may take a little extra time, so arriving a few minutes early for the first appointment is advisable. We will start a permanent record for each animal on their first visit. We ask the owner to complete a health history questionnaire on their animal and a registration form. During the first visit, we will perform a complete examination. Following that, we will discuss with the client any treatment needed for current illnesses. We hope to make your client’s visit a pleasant experience. If your client would like to direct comments or concerns to us, they may call 573-882-7821 or complete a Customer Satisfaction Survey on our website at http://www.vhc.missouri.edu.

WHAT CAN I TELL MY CLIENT ABOUT THE VHC FEES?
The VHC now offers CareCredit financing. Owners can conveniently apply online through CareCredit or call our hospital for information on how to apply at 573-882-7821 or complete a Customer Satisfaction Survey on our website at http://www.vhc.missouri.edu.

HOw can clients access their animal’s information?
Clients may register for the Client Portal at: https://vetview.cvm.missouri.edu/vhcportal/. The portal allows them to view portions of their animal’s medical record, including discharge instructions, upcoming appointments, vaccination history, lab work, radiology reports and invoices.

WHO NEEDS A REFERRAL APPOINTMENT?
An appointment is needed for all referral medicine and surgery cases. To schedule a referral appointment, please see the phone numbers on the previous page. Emergency cases do not require an appointment, but information pertaining to the case from the referring veterinarian is helpful. It is not necessary to discuss the case with a clinician before a referral appointment; however, the care of the animal is enhanced when you send a letter or email summarizing previous tests and treatments (see enclosed Patient Referral Form at vhc.missouri.edu under Referrals). Referral cases are seen by either the faculty member on the service or by a senior house officer under the guidance of a senior faculty member.

HOW CAN I ACCESS MY REFERRED PATIENTS’ INFORMATION?
Visit https://vetview.cvm.missouri.edu/ to retrieve information on your referred patients.

HOW CAN CLIENTS ACCESS THEIR ANIMAL’S INFORMATION?
Clients may register for the Client Portal at: https://vetview.cvm.missouri.edu/vhcportal/. The portal allows them to view portions of their animal’s medical record, including discharge instructions, upcoming appointments, vaccination history, lab work, radiology reports and invoices.

WEBSITE
Please suggest that your clients look at our website (vhc.missouri.edu) prior to their visit.

STAFF

Shannon Abdul, SA Cashier
Keanna Allen, SA Receptionist
Izak Barnes, Equine Caretaker
Brett Bevill, Supervisor, After Hours SA Staff
Joni Bohn, Supervisor, Central Supply
Jason Brandow, Facility Supervisor
Nancy Brown, Equine Liaison
Claire Bryan, Supervisor, SA Liaison
Danielle Burkholder, FA Liaison
Serena Copeland, SA Caretaker
Teresa Deskin, Client Services Manager
Kayla Dorpinghaus, Pharmacy Technician
Carrie Duran, DVM, PharmD, Pharmacist
Cheryl England, Office Support Assistant III, Central Supply
Jackie England, Stores Clerk II
Debbie Evans, SA Medical Records
Lori Freie, Senior Business Support Analyst (Accounting)
Susan Garton, SA Liaison
Laura Graeler, Supervisor LA Office
Spencer Haight, Instrument Technician
Cathy Harmon, Business Support Specialist (Accounting)
Matthew Humphreys, LA Medical Records
Younique Johnson, SA Receptionist
Taylor Korpus, Equine Caretaker
Sue Leutschaft, Business Support Specialist II
Sasha Lister, Stores Clerk II
Colandra Malveaux, Supervisor SA Cashier/Reception
Katie McBride, Human Resources Specialist II
Bryan McGinty, Instrument Technician
Kim Morrison, Human Resources Specialist III
Erin Murphy, SA Liaison
Michael Perkins, PharmD, Pharmacist
Bobby Rankin, Equine Caretaker
Stephanie Runyan, CPhT, Pharmacy Technician II
Shannie Shelby, SA Liaison
Connie Sievert, Executive Assistant
Carrie Smarr, SA Cashier
Dee Dee Smith, Supervisor, SA Liaison
Jennifer Terrerck, SA Liaison
Amanda Willis, SA Medical Records
THE UNIVERSITY OF MISSOURI
VETERINARY HEALTH CENTER

We are proud to serve the State of Missouri by providing state-of-the-art clinical services for patients, clients and veterinarians.

*Columbia, Missouri*

Full-Service Veterinary Referral and Emergency Hospital with On-site Nationally Accredited Diagnostic Laboratory

*Wentzville, Missouri (St. Louis Region)*

Referral Hospital Providing Medical and Radiation Oncology and Imaging