2022
REFERRING VETERINARIANS GUIDE

Teach • Heal • Discover • Serve
LETTER FROM THE DIRECTOR

We hope that every one of our referring partners and your families continue to stay safe and healthy, and that your hospitals and staff have successfully withstood the challenges associated with the COVID-19 pandemic.

The Veterinary Health Center includes all the service units of the College of Veterinary Medicine and the Veterinary Medical Diagnostic Laboratory:  
• Our Small Animal, Food Animal, and Equine hospitals on the Columbia campus  
• The Shelter Medicine Program  
• Oncology, dermatology, imaging, and radiation therapy services in Wentzville, Missouri  
• The emergency clinic in Kansas City, Missouri

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 MU’s Veterinary Health Center strive to provide excellent service for you, your clients, and their animals. You and your referrals help us to train the next generation of practice-ready veterinarians and to develop new cures for animal diseases.

Organizationally, the coming year will be one of transition as we have begun our search for a new hospital director. After serving 13 years as its first stand-alone hospital director, Dr. David Wilson built a legacy of growth and expansion of MU’s Veterinary Health Center. Through this transition period, and under the direction a new hospital director, the VHC will continue to deliver on its mission.

This 21st edition of the Referring Veterinarians Guide is a resource to assist you in referring cases to the Veterinary Health Center and it provides:  
• A pictorial directory of faculty, house officers (interns and residents), and technical support staff by specialty or species area  
• Information about each clinical specialty  
• A referral form and map of the College of Veterinary Medicine Columbia campus (insert)  
• A list of technical staff members with referral communication responsibilities  
• Clinic hours and toll-free telephone numbers  
• A convenient index to help you find important information

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 provide state-of-the-art diagnostic and therapeutic services using a team-based and collaborative approach. To that end, we have recently welcomed the following new faculty members to our team:  
Dr. Kathryn Crombie, Small Animal Emergency and Critical Care  
Dr. Belinda Tedder, Small Animal Emergency and Critical Care  
Dr. Kelsey Walker, Food Animal Ambulatory  
Dr. Kelly Wiggen, Cardiology  
Dr. Lauren Reeves, Small Animal Surgery

We continue to develop our faculty, facilities, and equipment in order to provide your clients with excellent service and educate tomorrow’s veterinarians. Here are a few highlights from 2021:
• The Dermatology Section of the VHC at Wentzville has been leased to CARES, LLC and owned by Dr. Reuben Merideth. Dr. Sarah Hoff has joined Dr. Karen Campbell-Motsinger to provide dermatology services to your clients and their animals.  
• Dr. Kelly Farmer has joined the VHC at Kansas City as the new medical director and help direct that emergency service.  
• The VHC at Columbia continues to evolve to meet our clinical and teaching needs. We have remodeled to create and equip an emergency triage space to facilitate management of our small animal emergency patients.  
• We continue to adapt to changes occurring during the COVID-19 pandemic, and the MU VHC lobbies are again open to clients.  
• We modified our emergency hours due to decreased emergency and critical care staff and clinicians. We hope to increase staffing to allow 24/7 emergency service soon.

Our website, www.vhc.missouri.edu, has ongoing updates, which we would like you to check out, bookmark, and use often! We hope you will direct your clients to our site when you refer them to us. While the website will continue to expand and improve, we would like to share some of the features already available to you and your clients.

For our referring veterinarians:  
• Detailed information on how to make a referral  
• What your clients can expect when they arrive at the VHC  
• Printable referral forms to send along 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  
• The Referring Veterinarian Patient Portal is now available. This portal will allow you to access most of your patients’ records in real time, which also allows you continued access to laboratory data and diagnostic imaging to facilitate your patient’s care. To register a new portal account, go to https://vetview.cvm.missouri.edu/login/auth.  
• We are always striving to improve the care that we provide to animals and the service that we provide to clients and referring veterinarians. Thus, we have a satisfaction survey available on the site.

For clients:  
• Short video overviews of our food animal, equine and small animal hospitals as well as information on what to expect during their visit  
• Responses to many questions about our hospitals, including the roles of students, interns, and residents in the care of patients  
• Information on billing and financing policies and a link to pay bills online  
• Links to our veterinary social worker, who can counsel clients facing difficult decisions or dealing with grief

For clients:

For our referring veterinarians:

For the coming year, we hope to increase staffing to allow 24/7 emergency service soon.
• Detailed information on each of the VHC services and sections, including biographies, as well as information on the services that each section can provide to your clients and their animals
• 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

We think you will find the website useful, and we welcome feedback as we make improvements to better serve our partners and clients.

The VHC hospitals continue to 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. The laboratory offers a low-cost pick-up service for samples directly at veterinary clinics, and now offers next day service to Missouri, most of Illinois and Kansas, and parts of Iowa, Nebraska, Kentucky, and Indiana. 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 challenges in staffing. You may know that staffing shortages led to reduced hours of emergency care for new, but not existing, patients this summer. We are working diligently to soon return to staffing adequate to allow referrals 24 hours a day, seven days a week, 365 days a year.

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,

Joan R. Coates, DVM, MS, Dipl. ACVIM (Neurology)
Professor and Interim Hospital Director
Veterinary Health Center

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

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EQUINE AMBULATORY, MEDICINE AND SURGERY

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 two faculty veterinarians, one resident 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 by email
- 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
- 24-hour critical care

EQUINE MEDICINE AND SURGERY FACULTY

Philip Johnson
BVSc (Hons), MS, MRCPV, DACVIM, DECVM
Professor Surgery
Director of E. Paige Laurie Endowed Equine Lameness Program

Joanne Kramer*
DVM, MS, DACVS
Teaching Professor Surgery
Assistant Dean of Clinical Education

Kevin Keegan
DVM, MS, DACVS
Professor Surgery
Assistant Teaching Dean of Clinical Education

Lynn M. Martin
DVM, MPH, DACVIM
Assistant Teaching Professor Internal Medicine

Lindsey Hayden
DVM
Surgery

Megan McCracken
DVM, MS, DACVS
Assistant Teaching Professor Surgery

Marta Scherf
DVM, DABVP
Assistant Teaching Professor Ambulatory

Kile Townsend
DVM, MS
Internal Medicine

EQUINE RESIDENTS

Lindsey Hayden
DVM
Surgery

Kelly Sandelin-Gravitt
DVM
ABVP Equine

Johanna Klein
DVM, MPH

Elizabeth Larsen
DVM

Alexandra Warren
DVM

VETERINARY TECHNICIANS

Hannah Blake
RVT

Joyce Guthrie
RVT

Sylvia Hohmeier
RVT

Megan McCracken
DVM

Johanna Klein
DVM, MPH

Elizabeth Larsen
DVM

Alexandra Warren
DVM

ANIMAL TECHNICIAN

Not Pictured

Breyon Johnson

Melody Canote
BS

Rebecca Robert
BS

Denise Robinson
BS

VETERINARY ASSISTANTS

Melody Canote
BS

Rebecca Robert
BS

Denise Robinson
BS

Joy McCallie
AT

*head of section

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VETERINARY HEALTH CENTER | 900 EAST CAMPUS DRIVE | CLYDESDALE HALL | COLUMBIA, MO 65211
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 in-house 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
- Preventive medicine
- 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 camels)
- Reproduction

FOOD ANIMAL MEDICINE AND SURGERY FACULTY
- Corinne Bromfield
  DVM
  Assistant Extension Professor (Swine)
- C. Austin Hinds*
  DVM, MS, DACVPM
  Associate Teaching Professor
- Loren Schultz
  DVM, MS, DACVP
  Associate Teaching Professor
- John Middleton
  DVM, PhD, DACVIM
  Professor, Assistant Director Agriculture Experiment Station
- Kelsey Walker
  DVM, MS
  Clinical Instructor

FOOD ANIMAL MEDICINE AND SURGERY RESIDENTS
- Samantha Haw
  DVM
- Luis Rivero
  DVM

LARGE ANIMAL INTERN
- Samuel Bennett
  DVM

VETERINARY TECHNICIAN
- Justyne Smith
  VT

VETERINARY ASSISTANTS
- Kaitlin Dobson
- Sarah Mueller
The theriogenology service provides routine and advanced breeding services for all domestic animals. 

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

**THERIOGENOLOGY FACULTY**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Dawna Voelkl</td>
<td>DVM, DACT, Associate Teaching Professor</td>
</tr>
<tr>
<td>Dietrich Volkman*</td>
<td>BVM, BMedVet, Teaching Professor</td>
</tr>
<tr>
<td>Liz Cooksey</td>
<td>DVM</td>
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**THERIOGENOLOGY RESIDENT**

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<th>Name</th>
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<td>Sia Early</td>
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**VETERINARY TECHNICIAN**

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**STAFF**

- Monica Andrews, SA Billing
- Karen Atkinson, Equine Caretaker
- Jennifer Beeson, SA Billing
- Brett Bevill, Supervisor, After Hours SA Staff
- Joni Bohn, Supervisor, Central Supply
- Jason Brandow, Facility Supervisor
- Claire Bryan, SA/LA Floater
- Serena Copeland, SA Caretaker
- Laurel DelApp, LA Equine Receptionist
- Carrie Duran, DVM, PharmD, Pharmacist
- Teresa Egbert, Client Services Manager
- Patrick Ege, Pharmacy Technician
- Cheryl England, Office Support Assistant III, Central Supply
- Jackie England, Stores Clerk II
- Debbie Evans, SA Medical Records
- Lori Freie, Business Support Specialist Sr. (Accounting)
- Lauryn Fleming, Pharmacy Technician
- Laura Graeber, Supervisor LA Office
- Cathy Harmon, Business Support Specialist Sr. (Accounting)
- Matthew Humphreys, LA Medical Records
- Billy Jamison, Business Support Specialist Sr. (Grants and Contracts)
- Samantha Jones, RVDM Coordinator
- Susan Leutkamp, Business Support Specialist II
- Sasha Lister, Stores Clerk II
- Colondra Malveaux, SA Cashier
- Katie McBratney, Business Support Specialist II (HR/Payroll)
- Bryan McIntyre, SA Caretaker
- Danielle McMurtry, LA Receptionist
- Kim Morrison, Business Support Specialist II (HR/Payroll)
- Flo Nelson, Office Support Associate
- Michael Perkins, PharmD, Pharmacist
- Anna Ramos, SA Receptionist
- Bobby Rankin, Equine Caretaker
- Melissa Richter, SA Receptionist
- Michelle Ricketts, SA Receptionist
- Stephanie Runyan, Pharmacy Technician
- Connie Sievert, Executive Staff Assistant
- Dee Dee Smith, Supervisor, Call Center
- Suzanne Smith, Therio Liaison
- Francesca Tocco, Grief Counseling
- Jessica Ty, SA Call Center
- David Whitesides, Stores Clerk II
- Amanda Willis, SA Medical Records
- Shan Wolf, SA Cashier

*head of section

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**

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<tr>
<td>Corinne Bromfield</td>
<td>DVM, Assistant Extension Professor (Swine)</td>
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<tr>
<td>Craig Payne</td>
<td>DVM, MS, Associate Extension Professor (Beef)</td>
</tr>
<tr>
<td>Scott Poock</td>
<td>DVM, DABVP, Associate Extension Professor (Dairy)</td>
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**THERIOGENOLOGY EXTENSION SERVICES**

- Craig Payne, DVM, MS, Associate Extension Professor (Beef)
- Scott Poock, DVM, DABVP, Associate Extension Professor (Dairy)

**EXTENSION FACULTY**

- Corinne Bromfield, DVM, Assistant Extension Professor (Swine)
- Craig Payne, DVM, MS, Associate Extension Professor (Beef)
- Scott Poock, DVM, DABVP, Associate Extension Professor (Dairy)
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
- Felipe Martins
  - DVM, MS
  - Clinical Instructor
- Kelley Verner
  - DVM, DACVAA
  - Assistant Teaching Professor

**ANESTHESIOLOGY RESIDENTS**

- Sarah Klein
  - DVM
- Charlotte Marquis
  - BVM&S (Hons), MRCVS
- Lindsay Parker
  - BS, DVM

**VETERINARY TECHNICIANS**

- Jamie Bruegeman
  - RVT
- Elizabeth Gordon
  - RVT
- Angelina Johnson
  - RVT
- Natalie Litwicki
  - RVT
- Jennifer Pollak-Haight
  - RVT
- Laken Schwarzlose
  - RVT
- Eevee Velez
  - RVT

**ANESTHESIOLOGY**

**NEUROLOGY**

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**

- Joan Coates*
  - DVM, MS, DACVIM
  - Professor
- Ji-Hey Lim
  - DVM, PhD, DACVIM
  - Assistant Professor
- Sissy Hong
  - DVM, MVM, MS, DACVIM
  - Assistant Teaching Professor
- Dennis O’Brien
  - DVM, MS, PhD, DACVIM
  - Adjunct Professor Emeritus

**NEUROLOGY AND NEUROSURGERY RESIDENTS**

- Joe Kowal
  - DVM
- Elizabeth Meiman
  - DVM
- Alexa Stephen
  - DVM
- Natalie Villani
  - DVM

**COMPARATIVE NEUROLOGY PROGRAM RESEARCH INTERN**

- Francheska Ortiz
  - DVM

**VETERINARY ASSISTANT**

- Amanda Barnhart
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 that provides 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 (trans arterial treatment of liver cancer), that are now approved for and commonly used in both veterinary and human medicine.
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, 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, membranoplasty, myocardial biopsies, and heartworm retrieval.
- Transvenous pacemaker implantation
- Cardiac-gated computed tomography
- Cutting-edge medical therapies

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.

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- Transvenous pacemaker implantation
- Cardiac-gated computed tomography
- Cutting-edge medical therapies
The oncology service provides advanced, compassionate cancer care for animals. We coordinate and provide 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 (PET) imaging for detecting and staging tumors
- The latest CT and MRI scanners for accurate treatment planning

**Oncology Faculty**

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

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

Lindsay Donnelly
DVM, MS, DACVIM
Assistant Professor, Oncology

Owen Skinner
BVSc, DECVS, DACVS-SA, MRCS, ACVS Fellow, Surgical Oncology, Assistant Professor, Surgical Oncology

Jimmy Luttimer
DVM, MS, DACVR
Associate Professor, Radiation Oncology

**Radiation Oncology Faculty**

Tara Ehling
DVM, DACVIM, DACVR-RO
Assistant Clinical Professor, Radiation Oncology

Charles Maitz
DVM, PhD, DACVR
Assistant Professor, Radiation Oncology

**Oncology Residents**

Joni Lunceford
CNMT, NMTCB (CT), PET

Caitlin Cowan
DVM

Kaitlan Hovis
DVM

Sayad Latifi
DVM

Andrea Montano-Hernandez
DVM

Alyssa Przydzianski
DVM

Whitney Wyatt
DVM

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

Shannon Remerski
DVM

Lauren Ross
DVM

Hayley Ashworth
BVSc

Gregory Vernon
DVM

**Veterinary Technicians**

Jodie Booher
RVT

Whitney Fahrensdorf
RVT

Melissa Hoehn
RVT

Anastasia Glahn
RVT, VTS (Oncology), BS

Elizabeth Gordon
RVT

**Veterinary Assistants**

Jaerie Booher
RVT

Sidney Miget
RVT

Kaitlan Hovis
DVM

Not Pictured
Megan Richter

**Radiation Oncology Residents**

Michele Zelaya
RVT

Malissa Hoehn
RVT

Surgical Oncology

Jaerie Booher
RVT

Surgical Oncology

Sidney Miget
RVT

Not Pictured
Megan Richter

Surgical Oncology

Drailyn King
RVT

Elizabeth Gordon
RVT
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, dentistry, skin and ear infections, parasite prevention and treatment, and behavior problems.

**DENTISTRY**

We offer a complete range of veterinary dentistry services.

- Intra-oral digital dental radiography
- Surgical exodontics
- Endodontics, including root canal therapy and crowns
- Orthodontics
- Oral fracture repair
- Tumor removal
- Periodontics

Appointments are needed for general dentistry, consultations and oral surgery services.

**DERMATOLOGY**

Dermatologists are the best resource in veterinary medicine for dogs and cats with skin and ear problems that are difficult to resolve.

- The VHC has specialists in dermatology on staff in both Columbia and Wentzville. Dermatology services are also offered at the Veterinary Health Center at Kansas City one day per week.
- We provide a complete range of veterinary dermatology services including expertise in veterinary dermatohistopathology.
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 only treating emergency cases when animals are suffering serious or life-threatening illness or injuries that require immediate care. During evening and overnight hours, our emergency service will only care for established patients of the VHC:

Monday, Friday, Saturday and Sunday – 8 p.m. to 8 a.m.

Tuesday, Wednesday and Thursday – 5 p.m. to 8 a.m.

During the following hours we will accept new patients that are likely to suffer serious harm without immediate care:

Monday, Friday, Saturday and Sunday – 8 a.m. to 8 p.m.

Tuesday, Wednesday and Thursday – 8 a.m. to 5 p.m.

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.
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, and cystoscopy, to facilitate disease diagnosis and treatment. Examples of diseases that our internists evaluate and treat include:

- Respiratory disease, such as asthma in cats or chronic nasal discharge in dogs
- Gastrointestinal disease, such as pancreatitis or inflammatory bowel disease
- Liver disease, such as hepatic lipidosis or cirrhosis
- Kidney disease, such as urinary stones, chronic urinary infection, or renal failure
- Endocrine disease, such as Cushing’s disease or diabetes mellitus
- Hematologic disease, such as hemolytic anemia or thrombocytopenia
- Infectious diseases, such as histoplasmosis, cyttauxzoonosis, and antibiotic-resistant bacterial infections.

MINIMALLY INVASIVE INTERVENTIONAL PROCEDURES

We are pleased to offer minimally invasive procedures to treat blockages, shunts, some tumors and tracheal collapse. The small animal internal medicine service, cardiology and soft tissue surgery provide the following procedures:

- Tracheal stenting
- Urethral stenting
- 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 laser lithotripsy
- Balloon valvuloplasty and intracardiac membranoplasty
- Temporary and permanent transvenous pacemaker implantation

INTERNAL MEDICINE FACULTY

Leah Cohn*, DVM, PhD, DACVIM
Professor
Associate Department Chair

Laura Nafe
DVM, MS, DACVIM (SAIM)
Assistant Teaching Professor

Carol Reinero
DVM, PhD, DACVIM
Professor

Aida Vientos-Plotts
DVM, DACVIM
Assistant Professor

INTERNAL MEDICINE RESIDENTS

Charlotte Gerhard
DVM

Jennifer Howard
DVM

Julia Remaks
DVM

Ashley Anderson
DVM

INTERNAL MEDICINE SPECIALTY INTERNS

Juliana Perez
DVM

Devon Ueda
DVM

INTERNAL MEDICINE AND SURGERY ROTATING INTERNS

Katie McMullen
DVM

Elisabeth Fox
DVM

Kaitlyn Junkin
DVM

Kara Majors
DVM

Marcus Marella
DVM

Kate Olson
DVM

Erica Rehnblom
DVM

Juliana Perez
DVM

Devon Ueda
DVM

INTERNAL MEDICINE SPECIALTY INTERNS

Juliana Perez
DVM

Devon Ueda
DVM

*head of section
We offer various services to assist with patient care, these 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 phone, 573-882-7821, in person, by email, mucvmnutrition@missouri.edu, or by fax, 573-882-7784. A consultation request form can be downloaded from the VHC website. A fee is charged once it is agreed that our services would be useful in management of a case. Our fees vary with the amount of time required for evaluation and formulation of recommendations. Because we are consultants, we must provide services to owners through a primary care veterinarian who has a client-veterinarian relationship and has evaluated the pet to be managed.

Pertinent medical records should be submitted with consultation request forms. Agreed upon fees are to be paid by a referring veterinarian, who typically in turn requests payment from owners.

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The small animal surgery service comprises four divisions: orthopedics, soft tissue surgery, surgical oncology and the Motion Analysis Laboratory.

**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, such as 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, with daily collaborative rounds to 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. With this unique laboratory, our veterinarians can 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.
The Veterinary Health Center at Wentzville, based in suburban St. Louis, has brought dermatology, expert diagnostic services and radiation therapy to the east side of the state. To contact the VHC at Wentzville, please call 636-332-5041.

**MEDICAL ONCOLOGY**

The medical oncology service provides advanced, compassionate, and individualized cancer care for animals. We help diagnose and stage cancers, discuss prognosis and treatment options and help clients make treatment decisions. If indicated for the tumor type and patient, we also routinely refer patients to Columbia for surgical oncology, stereotactic radiation therapy and clinical trial consultations. We also offer phone consultations to veterinarians.

**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

**RADIATION ONCOLOGY AND IMAGING**

Radiation therapy can be utilized to treat tumors, to shrink tumors and to try prevent the redevelopment of tumors. This improves clinical signs associated with tumors and veterinary patient quality of life. The Wentzville radiation oncology service offers this state-of-the-art therapy conveniently located for St. Louis metro area pet owners.

The VHC at Wentzville offers cutting-edge diagnostic capabilities and treatments in state-of-the-art facilities:

- Diagnostic x-ray
- Computed tomography (CT)
- Radiation therapy

**VETERINARY ASSISTANTS**

**DERMATOLOGY STAFF**

**VETERINARY TECHNICIANS**

**VETERINARY ASSISTANT**

**OFFICE STAFF**

**DERMATOLOGY VETERINARIANS**

**VETERINARY HEALTH CENTER AT WENTZVILLE**

**LOCATION**

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

The Veterinary Health Center at Kansas City is fully staffed to receive emergencies and continued care patient transfers after hours, on weekends and holidays when referring veterinary general practices are typically closed. The VHC at KC has full diagnostic capabilities, including a digital x-ray, diagnostic ultrasound and state-of-the-art laboratory equipment. Patients admitted on emergency are triaged upon arrival and provided with lifesaving care. Hospitalized patients from referring veterinarians can be transferred for overnight or weekend continued care services, including fluid therapy, medical injections and continued monitoring.

All patients admitted to the VHC at KC receive a complete evaluation by a licensed veterinarian, and the client is informed of all examination findings. Diagnostic and treatment plans are recommended to the client and an estimate for emergency stabilization is provided. Emergency diagnostic, surgical and treatment decisions are made on a case-by-case basis. At discharge clients receive a copy of the diagnostic tests performed and a comprehensive report with their discharge instructions. Communications with the primary care veterinarian for each patient seen include a fax or email sent following the patient’s discharge to inform the pet’s veterinarian of the initial findings. Patients may be transferred back to their regular veterinarian for continued care.

Dermatology services are also currently offered at the Veterinary Health Center at Kansas City one day per week. Please contact Dr. David Senter or Dr. Michelle LeRoy at the Veterinary Allergy and Dermatology Clinic for an appointment. 913-381-3937

LOCATION

8141 North Oak Trafficway
Kansas City, MO  64118
Phone: 816-455-5430
Fax: 816-455-5602
vhc.missouri.edu/veterinary-health-center-kansas-city/
email: MUCVMVHCKC@missouri.edu
Please note: Toll-free numbers are for referring veterinarians only — they are not intended to be given to your clients.

<table>
<thead>
<tr>
<th>CLIENT NUMBERS</th>
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</thead>
<tbody>
<tr>
<td>Equine Hospital</td>
<td>866-234-3681</td>
</tr>
<tr>
<td>Food Animal Hospital</td>
<td>866-844-3267</td>
</tr>
<tr>
<td>Small Animal Hospital</td>
<td>866-895-7267</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLIENT NUMBERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Equine Hospital</td>
<td>573-882-3513</td>
</tr>
<tr>
<td>Food Animal Hospital</td>
<td>573-882-6857</td>
</tr>
<tr>
<td>Small Animal Hospital</td>
<td>573-882-7821</td>
</tr>
<tr>
<td>Theriogenology</td>
<td>573-882-1594</td>
</tr>
<tr>
<td>VHC at Kansas City</td>
<td>816-455-5430</td>
</tr>
<tr>
<td>VHC at Wentzville</td>
<td>636-332-5041</td>
</tr>
<tr>
<td>Continuing Education</td>
<td>573-882-7848</td>
</tr>
<tr>
<td>Medical Records Fax</td>
<td>573-884-7563</td>
</tr>
<tr>
<td>RDVM Coordinator</td>
<td>573-884-9383</td>
</tr>
</tbody>
</table>

**VHC CLINICAL TEACHING TIMES**

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>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL ANIMAL INTERNAL MEDICINE</td>
<td>8-9 am</td>
<td></td>
<td>1:30-3 pm</td>
</tr>
<tr>
<td>COMMUNITY PRACTICE, DENTISTRY, DERMATOLOGY</td>
<td>TUES and THURS 3-4 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTHOPEDIC SURGERY</td>
<td>8-8:30 am</td>
<td></td>
<td>4-5 pm</td>
</tr>
<tr>
<td>SOFT-TISSUE SURGERY</td>
<td>4-5 pm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMALL ANIMAL EMERGENCY CRITICAL CARE</td>
<td>Always available for emergency calls and cases</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEUROLOGY</td>
<td>8-9 am</td>
<td></td>
<td>4-5 pm</td>
</tr>
<tr>
<td>ONCOLOGY</td>
<td>MON 8-10 am</td>
<td>TUES 8-9 am</td>
<td>WED 8-9 am</td>
</tr>
<tr>
<td></td>
<td>THUR 8-8:30 am</td>
<td>FRI 8-10 am</td>
<td>MON-FRI 3-4 pm</td>
</tr>
<tr>
<td>OPHTHALMOLOGY</td>
<td>8-9 am</td>
<td>1-2 pm</td>
<td></td>
</tr>
<tr>
<td>CARDIOLOGY</td>
<td>8-10 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADIOLOGY</td>
<td>8-10 am</td>
<td>1-2 pm</td>
<td></td>
</tr>
<tr>
<td>FOOD ANIMAL MEDICINE AND SURGERY</td>
<td>8-9 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EQUINE MEDICINE</td>
<td>8-10:30 am</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EQUINE SURGERY</td>
<td>8:30-9:30 am</td>
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</tbody>
</table>

**Website**

Please suggest that your clients look at our website, vhc.missouri.edu, prior to their visit to learn much more about our hospital.
WHO WILL TREAT MY CLIENT’S ANIMAL?
This is a teaching hospital where students in their final two years of veterinary education have the opportunity to learn from our care of patients. They participate in patient care, but in no instance do they determine patient care. Indeed, clinical faculty supervise all student involvement with our patients. If an animal’s illness requires hospitalization, a student who is 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?
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. Please send your client with a copy of the Patient Referral Form inserted into this guide, as well as a copy of the patient’s records and radiographs. During the first visit, we will perform a complete examination. Following that, we will discuss with the client any treatment needed for current illnesses.

WHAT CAN I TELL MY CLIENT ABOUT THE VHC FEES?
The VHC now offers a financing option to owners of animals being treated at its Columbia, Kansas City and Wentzville facilities. UAS Finance, of Kansas City, Missouri, provides financing for any approved VHC client with an estimated bill between $300 and $10,000. Owners can conveniently pre-qualify by calling the VHC at 573-882-7821 in advance of their appointment. Veterinary payment plans are also offered through Scratchpay. Charges for office visits and procedures are determined by the time spent, materials needed, severity, and complexity of the problem. If an animal is hospitalized, we will provide a written estimate and keep the client apprised of costs by daily phone calls. Cases with estimates more than $300 require a deposit of one half of the high end of the estimate. The remaining charges are due in full at discharge. We hope to make your client’s visit to our Veterinary Health Center a pleasant experience. If your client would like to direct comments or concerns to us, they may call 573-882-7821 first, and then complete the Customer Satisfaction Survey at www.vhc.missouri.edu.

WHO NEEDS A REFERRAL APPOINTMENT?
An appointment is needed for all referral medicine and surgery cases. In order to schedule a referral appointment, please see the phone numbers in the left column of the previous page. Emergency cases do not require an appointment; however, 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 summarizing previous tests and treatments (see enclosed Patient Referral Form). 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.

WEBSITE
Please suggest that your clients look at our website (vhc.missouri.edu) prior to their visit to learn much more about our hospital.
We Now Have Practices in Three Missouri Communities

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

Wentzville, Missouri (St. Louis Region)
Referral Hospital Providing Dermatology, Medical and Radiation Oncology and Imaging

Kansas City, Missouri
Emergency Veterinary Hospital