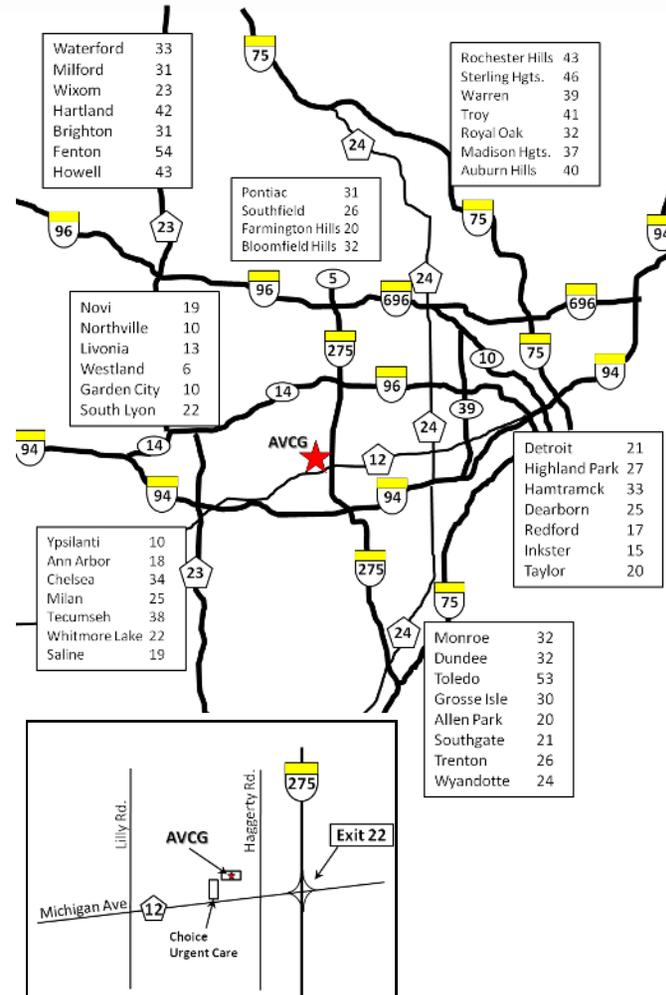


What is the Examination Process?

1. Please withhold food 12 hours prior to the scheduled arrival time. Water may be left out overnight. At admission, remove any external metal from your pet.
2. After your consultation with our veterinarian, your pet will undergo a physical examination in preparation for anesthesia.
3. An intravenous catheter will be placed in a leg vein for the administration of anesthetic agents. Note: Preparation for the catheter requires hair clipping at the site
4. General anesthesia is administered, the pet is intubated and closely monitored with blood pressure, pulse oximetry, ECG and end-tidal CO₂.
5. Your pet will then be moved to the MRI magnet room, positioned, and scanned while under anesthesia.
6. After the MRI exam, your pet will be brought to a recovery room, where it will be allowed to wake up from anesthesia. The doctor will determine when your pet is stable and ready to go home.
7. The MRI examination will be interpreted by a board-certified veterinary radiologist or neurologist. The written report will be sent to your referring veterinarian the next business day.
8. The normal time for a MRI exam is 1½ to 2½ hours. However, individual animals vary in their recovery time. You should plan on leaving your pet with us between 6-8 hours.

Distances to Advanced Veterinary Care Group - Canton



Magnetic Resonance Imaging

Vet-MR



ADVANCED
VETERINARY
CARE GROUP

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What is Vet-MR

Magnetic Resonance Imaging (MRI) uses a very strong magnetic field to align the natural spinning of water molecules within body tissues. MR images are formed by tiny radiofrequency signals generated as the nuclei spin. The molecular alignment that occurs on the sub microscopic level cannot be felt and has no known harmful effects. The radio signals are collected by small antennae, called receiving coils placed outside the patient near the area we are interested in evaluating. An advantage of MRI is its ability to produce images that are simple cross-sections as well as from any other angle with equal resolution. MRI scans give the best soft tissue contrast of all the imaging modalities.

The Vet-MR Team

There are many individuals working together as a team to make sure that the MRI for your pet happens as efficiently and safely as possible.

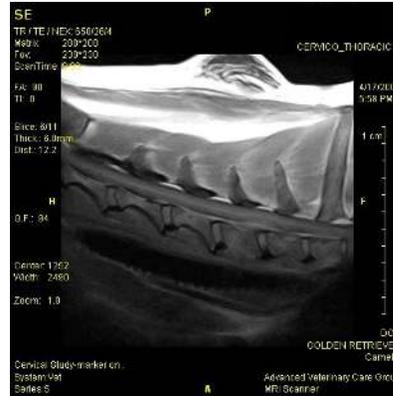
The veterinary technician and doctor who admit your pet, the technicians who administer and monitor anesthesia, the MRI technician that works to create the images, and the board certified radiologist or neurologist that reads the MRI each play a critical role in the success of this procedure.



What to Expect from Vet-MR

The Vet MR non-invasively produces diagnostic pictures that can define the location, distribution, mass effect, or other characteristics of soft tissues in the body. It is used when no other methods of imaging, such as radiographs or ultrasound, are effective in evaluating the area of interest. It is the imaging modality of choice for the brain, spinal cord and joints. Animals with back

problems, knee problems, or suspected brain pathology may benefit from imaging by the Vet MR.



Spinal scan



Brain scan

The results of the Vet-MR

In medicine, the diagnosis of disease is rarely the result of a single exam or test. The MRI results are meant to be evaluated by your veterinarian along with the history, physical and neuro-orthopedic examination, laboratory data, and other appropriate testing to provide a diagnosis, treatment plan, or prognosis specific for your pet.

You should know...

- Most MRI scans can take between 1½ to 2½ hours.
- Additional time is needed to recover from anesthesia prior to going home.
- The MRI is a very powerful magnet, therefore some pets cannot be safely scanned because they have things like pacemakers or large metal implants.
- Orthopedic hardware in your pet's body can cause blurs on the pictures thus rendering it useless.



Knee scan

Shoulder scan