

ANIMAL MATTERS: Tips & Treatments



Michigan Veterinary
Specialistssm

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DIAGNOSTIC IMAGING

PROCEDURE	DESCRIPTION	INDICATIONS
Fluoroscopy	Live radiographs taken at a rate of up to 30 frames per second simulating a real-time video view	Swallow studies (esophageal diseases), diagnosis of collapsing trachea, urethral and tracheal stenting, interventional cardiovascular procedures (e.g. pacemaker placement, balloon valvuloplasty, patent ductus arteriosus occlusion, intrahepatic portosystemic shunt occlusion, and arteriovenous fistula occlusion), myelography, and surgery procedures
Ultrasound	Evaluates architecture of abdominal and thoracic structures	Better than radiographs for pancreas, foreign bodies, organ masses, cardiac abnormalities, GI tract (Inflammatory Bowel Disease), and lymphadenopathy
Digital Radiographs	2D representation of all the structures superimposed on each other - digital radiographs provide superior imaging to detect subtle lesions that otherwise could be missed with traditional radiography	GI obstruction, assess entire abdomen and narrow down where to ultrasound, great for bony structures, thoracic trauma, respiratory distress (cardiac versus non-cardiac)
CT Scan	Cross-sectional imaging excellent for evaluation of bony structures, good for soft tissue structures	Good view of bony structures, nasal cavity, retrobulbar masses, joints, spine (when cancer is suspected), radiation or surgical planning, thoracic masses, abdominal masses, and soft tissue masses, superior to radiographs for the detection of metastatic cancer to the lungs
MRI	Cross-sectional imaging excellent for a more detailed evaluation of soft tissues	Evaluation of brain for masses, encephalitis, spine to evaluate for neoplasia, Intervertebral Disc Disease, lumbosacral instability, head and neck masses, axillary masses, and nerve root tumors
Questions?	Our Radiology service is led by Michelle Rose, DVM, MS, DACVR and offers outpatient ultrasound and radiographic interpretation. Our diagnostic capabilities include MRI, CT scan, digital radiography, ultrasound and fluoroscopy. For more information, please contact her at (248) 354-6660 or MDRose@michvet.com.	

LOCATIONS

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