



*The Leaders in Mobile Veterinary
MRI & CT Imaging*



burgessdiagnostics.com

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Welcome to Burgess Diagnostics, the UK's leading provider of advanced, mobile imaging services exclusively for the veterinary sector. Through our mobile fleet we deliver a flexible, cost-effective, and high-quality MRI and CT scanning service to practices across the UK and Ireland.

Our mission is to make the latest advanced imaging tools both accessible and cost-effective for veterinary professionals to add to their range of client services.

Our onboard imaging teams consist of veterinary-trained radiographers and imaging specialists with a wealth of experience and expertise in all aspects of MRI and CT. They are supported every day by our friendly logistics team of highly experienced medical HGV drivers.



Mobile CT & MRI Imaging Service

Our mobile imaging service enables practices and referral centres to offer a more comprehensive service, by adding cost-effective MRI and/or CT imaging to their range of client services. Our commercial and clinical teams will work closely with you to establish a tailored imaging solution to meet your individual requirements.

With the **Burgess Diagnostics Mobile Imaging Service**, you can:

- Offer your clients a more comprehensive service and the best possible patient care
- Keep more cases in-house
- Boost your practice income without a large financial outlay
- Develop your in-house team's imaging skills

To discuss our services in more detail or if you require any further information, please call **0845 371 4012** or email enquiries@burgessdiagnostics.com



0845 3714012



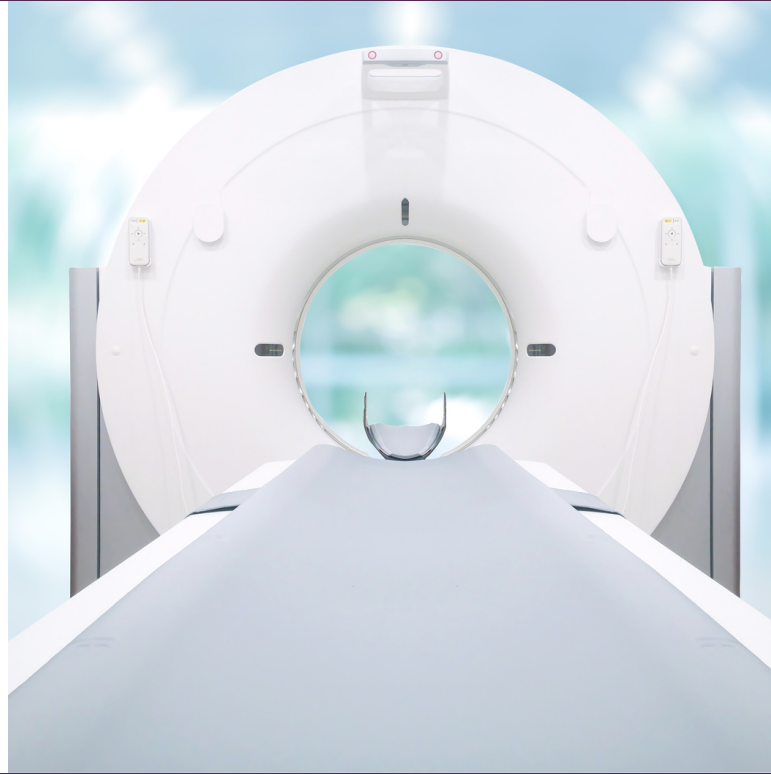
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Imaging Modalities: Computed Tomography (CT)

Both MRI and CT scanning are considered as invaluable diagnostic tools in the veterinary sector. These two imaging modalities offer safe and highly effective methods of producing cross-sectional images of small animals.

Computed Tomography (CT) uses x-rays to produce a cross-sectional, or 'slice' image of the inside of the body. The scan can show bones, as well as surrounding soft tissues such as muscle and blood vessels with excellent clarity. CT imaging produces a high volume of data which can then be reformatted in multiple planes.

Burgess Diagnostics CT scanners can quickly scan large areas of a patient, in one continuous operation, and deliver large numbers of images to help in the diagnosis of many common conditions.



Why use CT?

CT is an excellent diagnostic tool for a range of conditions & diseases in small animals such as neoplasia, infectious disease, trauma, and musculoskeletal disorders.

Scans can be obtained in only a few minutes facilitating rapid patient diagnosis.

Angiography is easy to perform using iodinated contrast media.

CT provides cross-sectional views of all tissue types, allowing detailed studies of a patient's chest and abdomen.

CT can be used to produce 3D reconstructions which can facilitate in planning orthopaedic surgery for complex fractures and limb deformities.

Clinical Applications

- **Head & Neck:** Nasal disease, orbital swelling, head trauma, ear disease, thyroid masses, neck swellings
- **Chest:** Pleuritis, rib masses, sternal/mediastinal masses, lung tumours, lymph nodes, metastatic screening, pneumothorax
- **Abdomen:** Liver and/or abdominal masses, ectopic ureters, pancreatitis, insulinoma, adrenal masses, portosystemic shunts, retroperitoneal effusion or masses
- **Spine & Pelvis:** Vertebral anomalies and malformation, lumbosacral disease, pelvic and sacral fractures, bone tumours
- **Orthopaedic:** Tarsal osteochondritis, bone tumours, elbow dysplasia, angular limb deformity



Imaging Modalities: Magnetic Resonance Imaging (MRI)

Magnetic Resonance Imaging (MRI) uses strong magnetic fields and radiofrequency pulses to produce cross-sectional images of patients. Different combinations of these are used to create image sequences with varying contrast and many different sequences are available.

With its multi-planar capabilities, MRI is the procedure of choice for the majority of veterinary clinical cases. It is unparalleled in the study of soft tissues, due to its superior contrast sensitivity and tissue discrimination, and is considered the optimum method of investigation for neurology cases, spinal disease, and muscles of the body.

The use of MRI in veterinary practice enables accurate diagnosis, case treatment, and on-going patient management.



Why use MRI ?

MRI is an exceptional diagnostic tool with a wide range of clinical applications for small animals such as neurology, musculoskeletal disorders and spinal disease processes.

MRI produces clear anatomical images of the highest quality and clarity with superior soft tissue contrast.

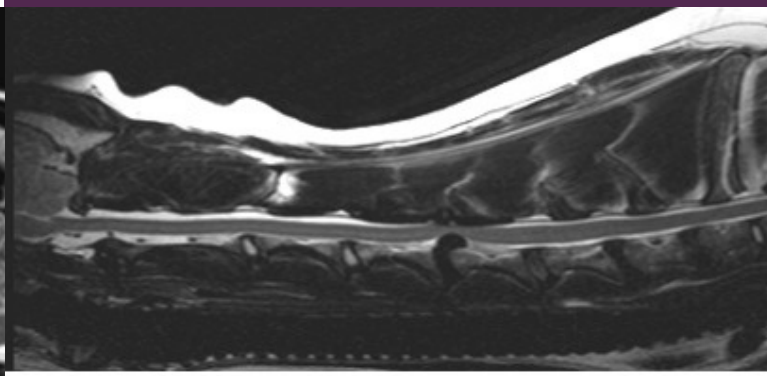
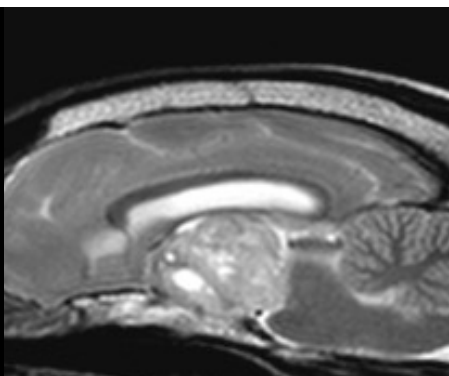
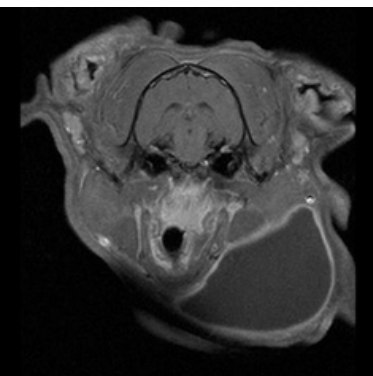
MRI images are available in any plane to aid with patient diagnosis (sagittal, dorsal, transverse, oblique).

MRI is a non-invasive procedure which uses non-ionising radiation.

Numerous advanced techniques can be performed with high-field MRI scanners.

Clinical Applications

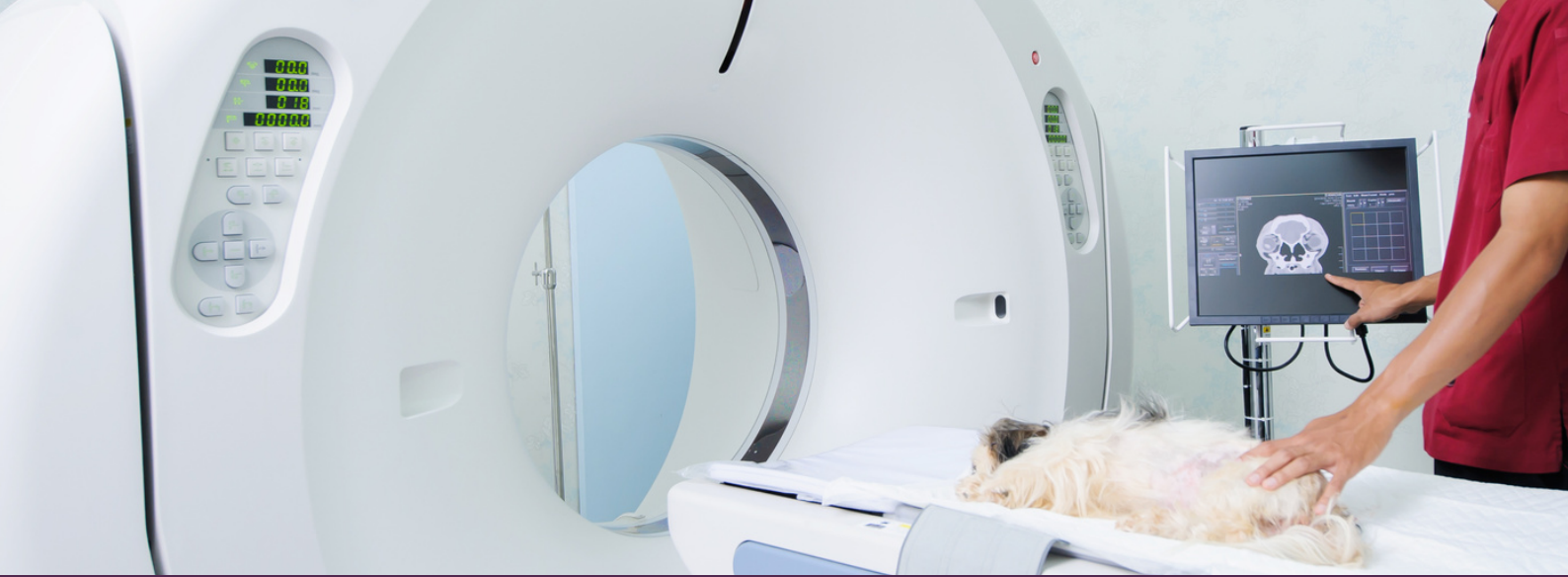
- **Neurology:** Prolapsed intervertebral discs, discospondylitis, vertebral metastasis, spinal cord tumours, FCE, GME, meningitis, brain tumours, epilepsy, stroke, hydrocephalus, nerve root tumours (spine and brain)
- **Musculoskeletal:** Ruptured ligaments, bone/soft tissue tumours, arthritis
- **Soft tissue lumps & bumps:** Tumours, foreign bodies, abscess, cysts
- **Nasal passages & ears:** Aspergillosis, nasal tumour, middle ear disease
- **Head/neck & orbits:** Horner's syndrome, facial nerve tumours, soft tissue tumours, TMJ's (Temporomandibular Joint)
- **Abdomen & pelvis:** Adrenals



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Mobile CT & MRI Imaging Service

We continually invest in our mobile imaging fleet which includes a range of GE & Siemens CT scanners and Philips & Siemens MRI scanners.

The scanners are contained in trailer-mounted units that are spacious enough to comfortably accommodate our onboard imaging team, your veterinary staff, and of course the patient.



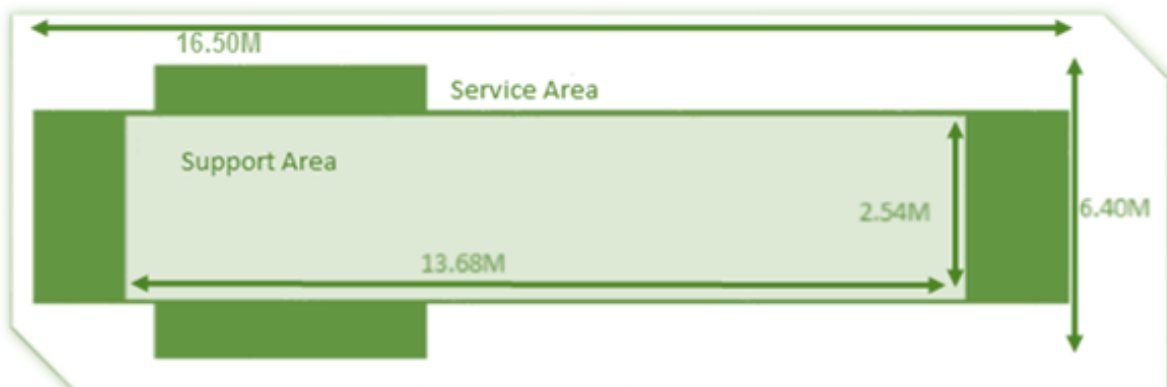
External Area Requirements

A suitable external area is required at your practice for the Burgess mobile scanner unit. A member of our logistics team will visit your site to assess access, egress, and the area in which the unit will be sited.

The ideal measurements for both the support area and the service area are shown below.

Support Area: This area will hold the main weight of the unit. A full pad area measuring 2.54m wide x 13.68m long must be available.

Service Area: An area of 6.40m wide x 16.50m long is recommended to provide full-service access to the unit. Please note that the side expansions on the trailer will vary from 0.5 m to 1m wide.





Mobile CT & MRI Imaging Service

Vehicle Access Requirements



The area in which our mobile scanner is to be sited should always be clear for access so that the unit can be positioned correctly. The surrounding area must also be a sound surface to provide good access to the trailer.

Please note, areas that have items such as grid covers will be visually checked by a member of our logistics team and they will advise of the weight of our units.

Power Requirements

All Burgess mobile scanners require a power source to be available on-site. The most effective way for us to be able to connect is via a power box, please see the necessary requirements below.

Power Box Requirements: The power box needs to contain a 3-phase 5-wire, wye connection with neutral and ground (5-wire 3/N/PE AC 400V). The frequency is 50 Hz +/- 1Hz. Our scanners will have on board a 15m, 70mm power cable with a male connector. The power box on site must contain a 250-amp Marechal female connector e.g., IDE Systems shown below.

Please note if a permanent power supply is not possible, several of our scanners are fitted with onboard generators. An additional generator charge will be applicable per hour.





GET IN TOUCH

If you would like to discuss our services in more detail or require any further information please get in touch by phone or email.

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