

# The top class Equine MRI



# Esaote MRI measure of excellence



Creativity and innovation in healthcare represent two aspects that have inspired Esaote since the introduction of its first Dedicated MRI system in 1993. Thanks to **strong investments in R&D activities and focus on customer needs**, Esaote has broadened its product offering, gaining recognition from industry and the medical community as **leader in Dedicated MRI**. For over more than two decades, Esaote has maintained its leadership position in the Dedicated MRI segment, developing a product portfolio for the Human and Veterinary market.

In 2001 the first Vet MRI system dedicated to small animal applications was launched and over the years Esaote has continued to distinguish itself as innovator introducing the first tilting MRI system: G-scan Brio. The G-scan Brio is a revolutionary system for scanning patients in the upright position, making the diagnosis of pathologies that are not fully assessed with traditional MRI easier. **Based on the same innovative rotating technology, Esaote has developed the top of the class G-scan Equine MRI system.**

## Why is G-scan Equine so unique?

Many MRI systems are capable of scanning the limbs of horses from the carpus and tarsus distally, but when it comes to the stifle joint **G-scan Equine is the only solution.**

Its revolutionary design and rotating mechanism enables patient positioning that is optimal when investigating the stifle joint. Moreover, the unique features of the system are opening new frontiers in scanning the horse under sedation.

# Dedicated veterinary software and protocols



## The voice of Customer

G-scan Equine has been developed in close collaboration with expert equine specialists, resulting in sequences and exam protocols that are tested at research sites and the possibility of creating customized protocols, according to specific clinical needs.

Furthermore, the software features correct Vet terminology and image orientation together with an appropriate patient set-up scheme, allowing for easy exam management.



## Why is image quality so good?

G-scan Equine provides unparalleled image quality. Most imaging experts confirm the high quality produced by our dedicated technology and confuse it with much more powerful MRI systems, thanks to R&D's focus on specific applications rather than a general imaging approach.

In fact every single system component, from hardware, RF coils, advanced computing technology, to our patented data elaboration algorithm is targeted at specific dedicated applications to maximize outcomes.



# Training and Education



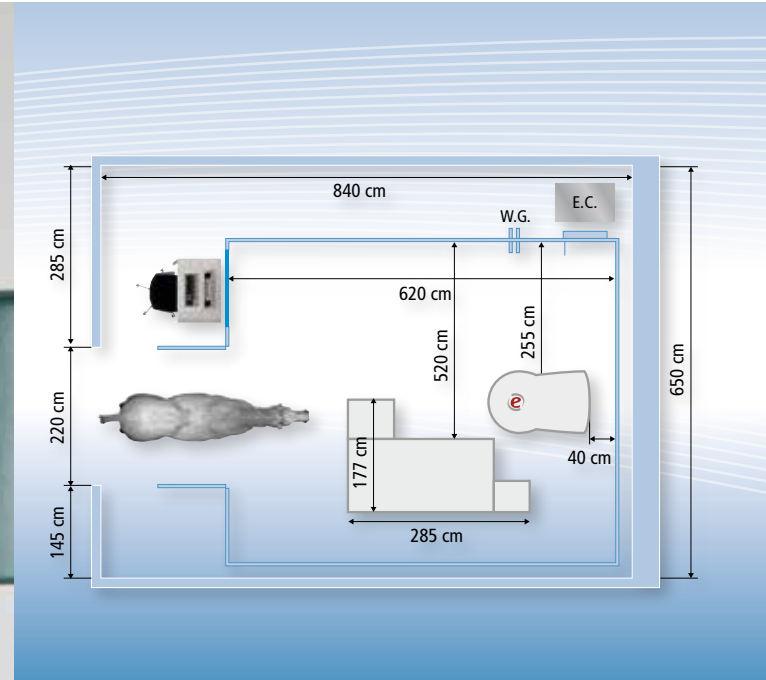
The basic theories and principles of MRI are always the backbones of any MRI training program. **On-site training together with MRI basics, will give you practical guidelines on developing your study protocols, optimizing sequence parameters and patient positioning as well as the best imaging techniques** for single applications. In time educational needs will grow and thanks to our vast network of specialists, we will support you in getting connected with like minded Veterinarians to share best practices.

Since the first international educational course in 2004, Esaote has proudly maintained its legacy and commitment to its customers organizing a bi-annual international conference that usually comprise small animal and equine applications. This represents an important forum of discussion where internationally recognized specialists showcase their research and case studies and where worldwide customers gather in order to learn about the latest developments.

**Stay tuned**  
with our education program at  
<https://www.esaotevetmrimeeting.org/>



# Patient positioning



## Dedicated RF coils

Correct positioning of the district of interest in the magnet is key to obtain a good image quality.

G-scan Equine has Dedicated RF Coils that facilitates the work of the MRI tech making for a faster scan and better image quality.

## Real-Time Gantry Monitor

The small monitor situated on the magnet displays in real time the MRI image for an immediate set up.

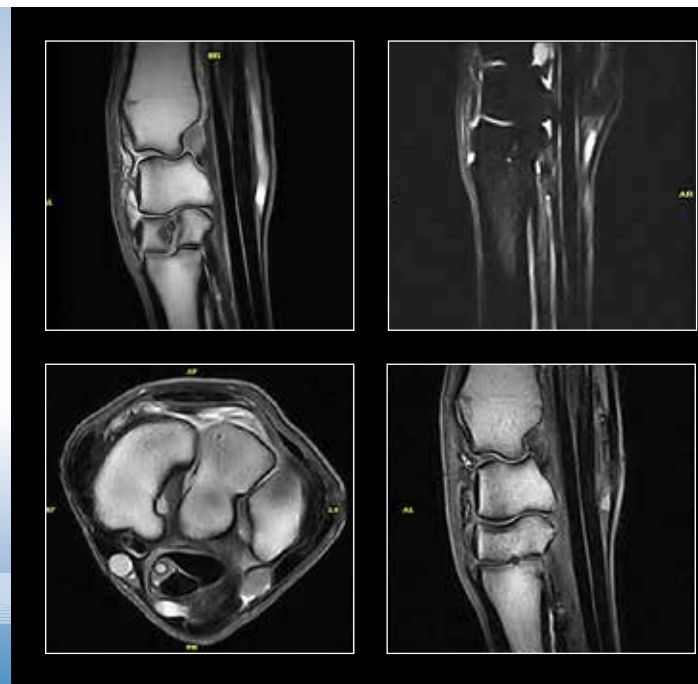
## G-scan Equine installation

The installation of the G-scan Equine MRI is relatively simple as the system does not require any sophisticated cooling and venting system that are required for traditional MRI units. The power consumption is low so a standard 220/110 V single phase power is sufficient to run the MRI.

## General installation data

- Standard space requirements: 55 m<sup>2</sup> (6.50 mt × 8.4 mt)
- Height minimum: 2.4 mt
- Environmental requirements: 21-24 °C ± 3 °C/Std.
- Floor loading: 8000 Kg
- Real-time positioning feature: display on the gantry showing in real-time the MR image of the joint assuring fast and accurate positioning
- Complete set of dedicated coils

*\*The MRI-compatible table is supplied by third parties.*



### Service on line

Remote assistance capabilities tems, enables service technicians to connect directly to any Esaote MRI unit for immediate check-up and troubleshooting.

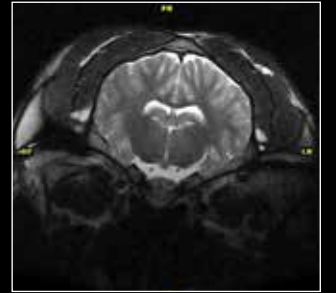
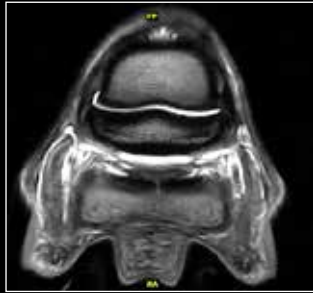
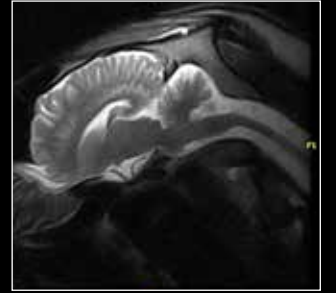
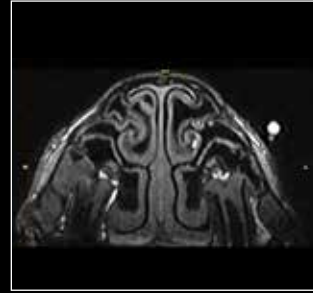
### Ready for teleradiology

G-scan Equine is fully DICOM compliant and offers smart solutions for connectivity and teleradiology, featuring the standard DICOM classes.

### Suitable for small animal application

The G-scan Equine can also be equipped with the appropriate software and coils dedicated to small animal applications.

### Carpus



Fetlock

Stifle

Pastern

Hock

Splanchnocranium

Neurocranium



160000197MA Ver.01



Esaote S.p.A. - sole-shareholder company  
Via Enrico Melen 77, 16152 Genova, ITALY, Tel. +39 010 6547 1, Fax +39 010 6547 275, info@esaote.com

Technology and features are system/configuration dependent. Specifications subject to change without notice. Information might refer to products or modalities not yet approved in all countries. Product images are for illustrative purposes only. For further details, please contact your Esaote sales representative.

Please visit us online  
for more information

