Supreme ZERO

Beyond Boundaries. Elevating Veterinary Technology



esaote VET

HEALTH WITH CARE

Advanced care starts with advanced imaging

For decades, Esaote has contributed to shaping veterinary diagnostics, building a solid reputation through extensive experience and collaboration. Through close partnerships with opinion leaders, leading veterinary centers, and long-term MRI users, we deliver technology designed exclusively for veterinary excellence.

Today Esaote marks a significant milestone: the introduction of the first completely **helium-free 1.5** Tesla MRI system, created exclusively for **veterinary use.**



Developed in close collaboration with veterinarians, reference centers, and leading clinical partners, **Supreme Zero** aims to deliver an MRI experience tailored to the fast-moving and ever- advancing landscape of modern veterinary medicine, combined with an environmentally sustainable and user-friendly design.

A new era of imaging for those committed to animal care

Veterinary technology
Dedicated software and hardware for excellent animal imaging

Helium free
High-End Superconductive 1.5T Technology (no quench pipe)

60 cm
Bore diameter and short cavity

24 Channels
Designed for superior image quality

55 cm
Field of view

High performance
Next-Generation Veterinary MRI Diagnostics

Integrated coil array
Embedded in the patient table



Introducing the first Esaote helium-free 1.5T MRI designed for veterinary medicine

Advanced Veterinary MRI Performance

Experience the image quality, speed, and diagnostic confidence of 1.5T MRI, enabling precise visualization across all anatomical districts

Zero Helium

A fully helium-free design eliminates the quench pipe, simplifies installation, reduces maintenance risks, and ensures long-term sustainability

100% veterinary-focused

Built specifically for veterinary professionals, our system features a dedicated interface that streamlines daily workflows and enhances ease of use. Designed for busy clinical environments, it improves diagnostic efficiency while reducing complexity. Custom-developed coils further optimize performance, ensuring high-quality imaging across a wide range of anatomical areas.

Complete Turnkey Solution

From neurocranium and spine imaging to joints and abdominal applications, our comprehensive suite supports a full spectrum of diagnostic needs. This all-in-one solution empowers veterinarians to make fast, accurate decisions - enhancing patient outcomes and strengthening client confidence

Confidence in Every Diagnosis

Reliable. Efficient. Tailored for veterinary care. Because every patient deserves precision - and every clinician deserves the right tools

Vet application

Dedicated veterinary MRI protocols mark a new era in diagnostic imaging for animals. Designed specifically for veterinary needs, these protocols deliver superior image quality with enhanced signal-to-noise ratio and exceptional spatial resolution. The result is clearer, more precise diagnostic information empowering veterinarians to make confident, timely clinical decisions and elevate the standard of care.

Spine

Cervical, cervico-thoracic,
Thoraco-Lumbar,
Lumbo-Sacral

Neurocranium

Neurocranium,
Splanchnocranium

Abdomen

Liver, pancreas, kidneys
and other small organs

Limbs

Carpus, Elbow, Fetlock,
Hip, Hock, Hoof, Pastern,
Paw, Shoulder, Stifle

Sharper Images.

Smarter Diagnoses.

Precision MRI for Veterinary Care.

Clearer Scans. Better Outcomes.

Advanced Imaging Built for Animals.

Where Veterinary Expertise Meets MRI Precision.

Purpose-Built design. superior quality. elevated animal imaging.

Esaote has more than twenty years of experience in veterinary dedicated coil development: designing solutions that take into account anatomical diversity and clinical needs of veterinary imaging is our commitment. This expertise has produced hardware designed specifically for animal patients, matching their contours, sizes, and positioning requirements.



Dedicated veterinary coils provide superior signal-to-noise ratio and high spatial resolution, improving visualization of soft tissues, subtle lesions, and fine anatomical structures across species. Ergonomic designs also support stability, helping technologists achieve consistent, high-quality scan





16 ch- Head coil



8 ch- Large Head coil

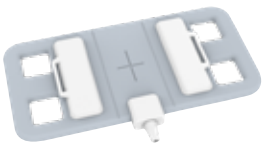




8 ch-Neck-Thorax coil*



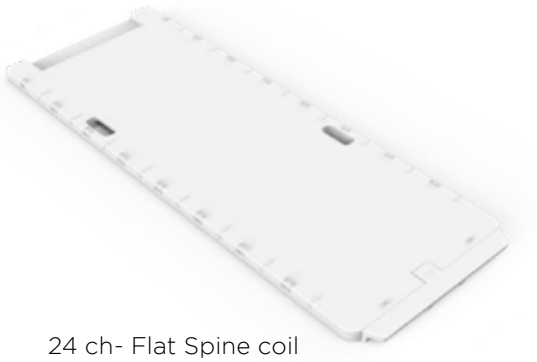
4 ch- Small Head coil



8 ch- Flexible coil*



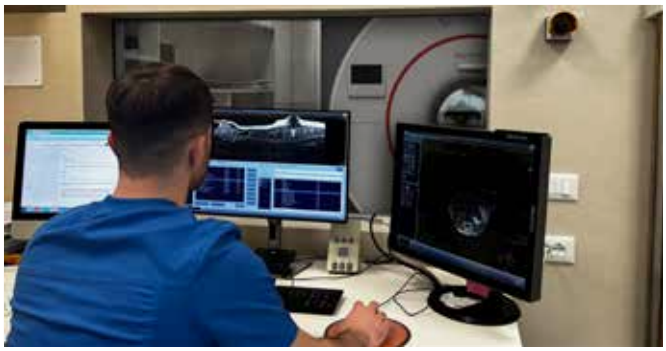
12 ch- Body coil



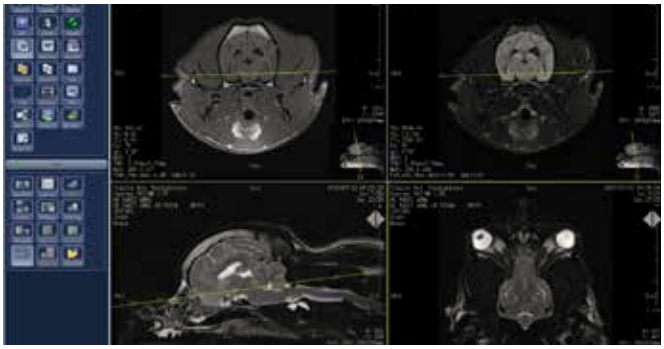
24 ch- Flat Spine coil

*Optional

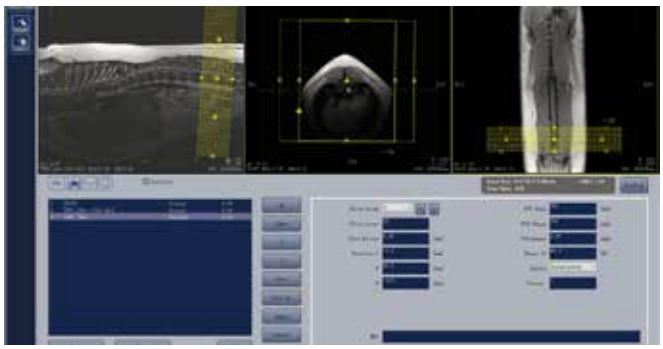
Streamlined animal imaging through advanced veterinary MRI software



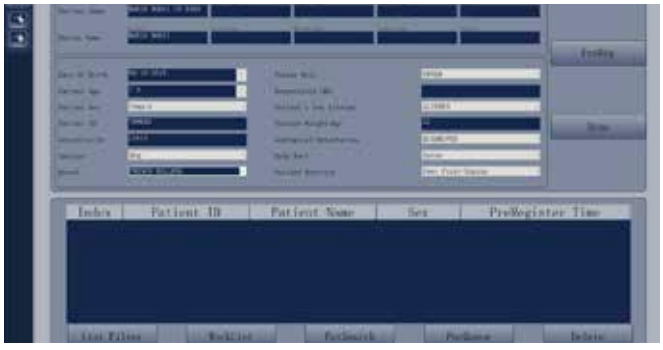
Experience a new level of efficiency with a workflow crafted around the specific needs of animal imaging.



Supreme Zero data input eliminates unnecessary steps, delivering a smarter, smoother preparation process for every scan. Paired with a refined, user-friendly interface, it transforms MRI operations into an intuitive, effortless experience.

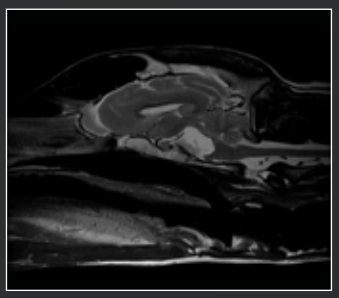


Supreme Zero supports true single-operator workflow and includes an extensive set of protocols developed with veterinary experts.

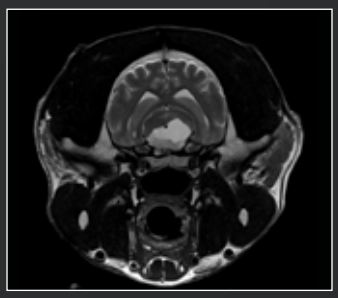


Each protocol is designed around the anatomical needs of animals of different types and sizes, ensuring consistent, high-quality imaging with minimal effort.

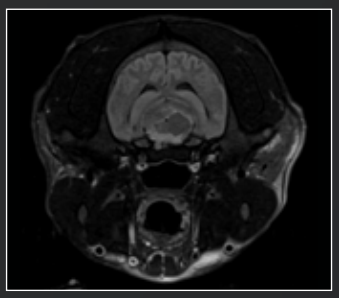
Czechoslovak Wolfdog, Brain Neoplasia



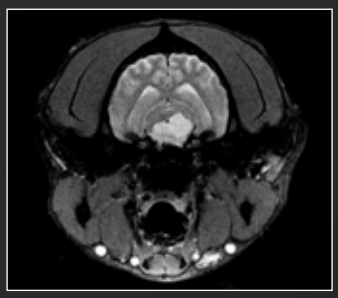
Sagital T2W



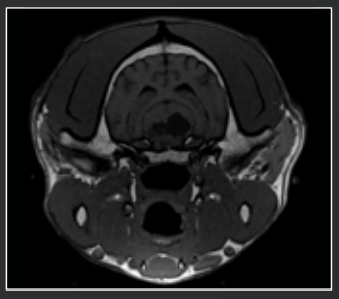
Transverse T2W



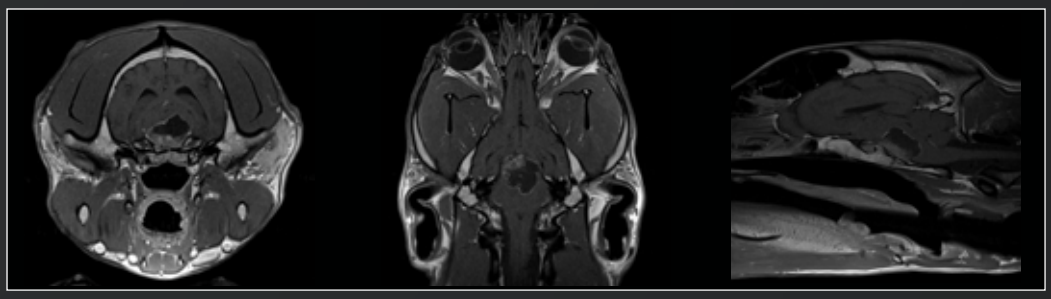
Transverse FLAIR



Transverse GET2*

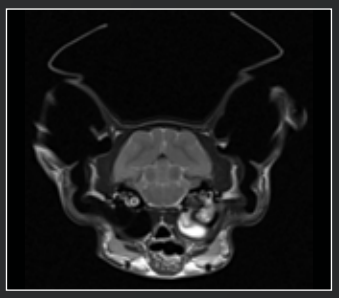


Transverse T1W



Transverse, Dorsal and Sagital T1W with Contrast Uptake

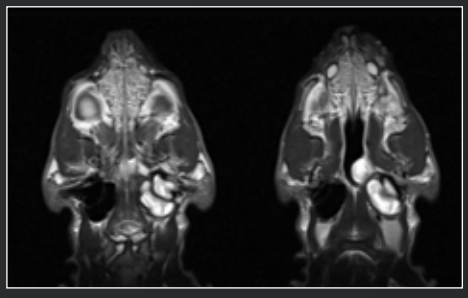
Maine Coon, Left middle ear otitis with polyp



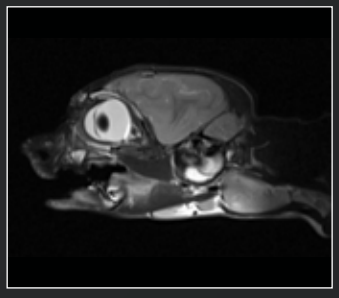
Transverse Transverse T2W



Transverse T1W pre and post contrast media injection



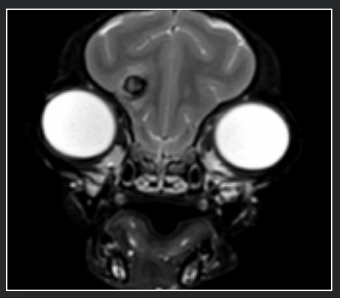
Dorsal T2W



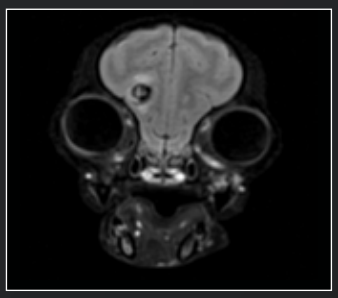
Sagittal T2W

Images courtesy of Clinica Veterinaria Valdinievole

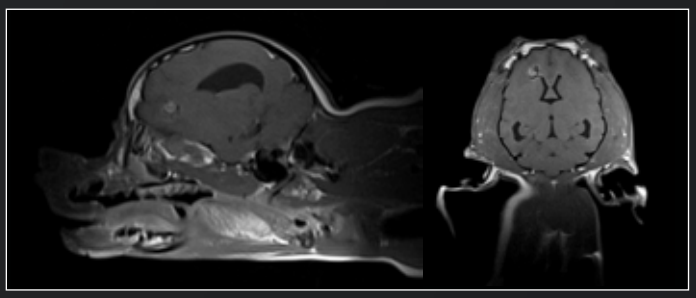
Chihuahua, Microbleeds and right frontal lobe hematoma



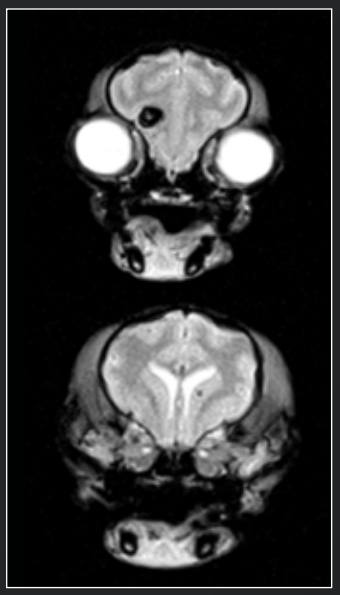
Transverse T2W



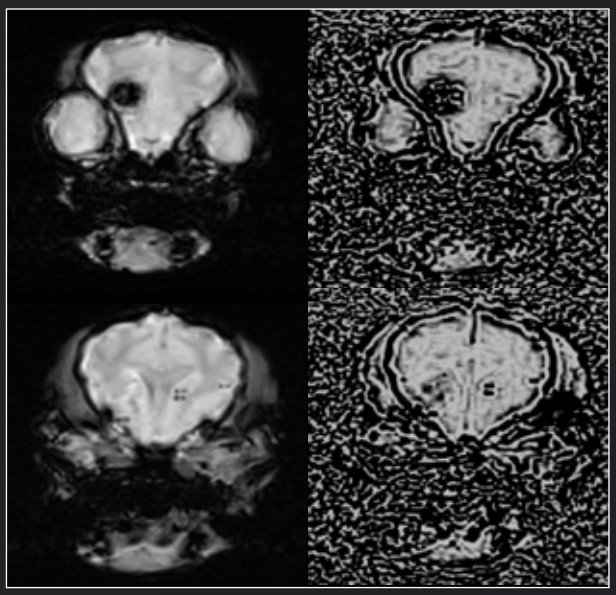
Transverse FLAIR



Sagital and Dorsal T1W with Contrast Uptake

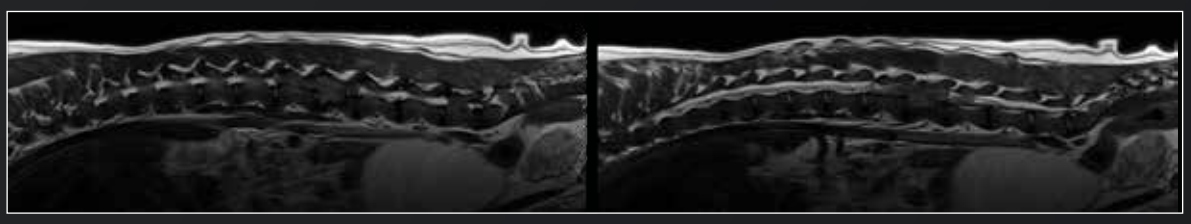


Transverse GET2*

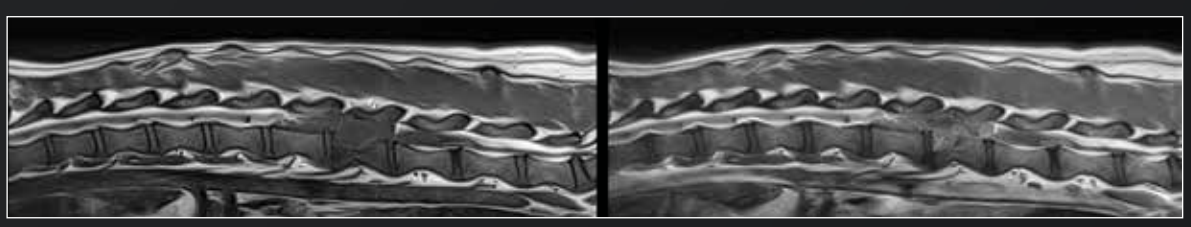


Transverse SWI and phase mask

Sharpei, Thoracolumbar Neoplasia



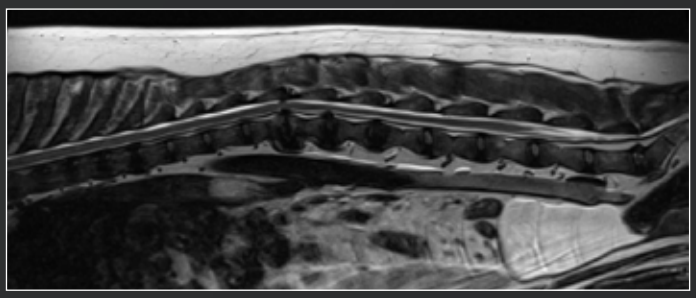
Sagittal T2W



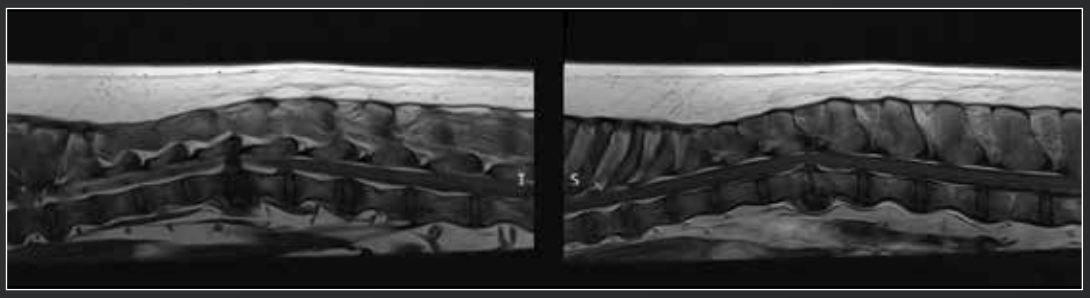
Sagittal T1W pre and post contrast media injection

Images courtesy of Clinica Veterinaria Valdinievole

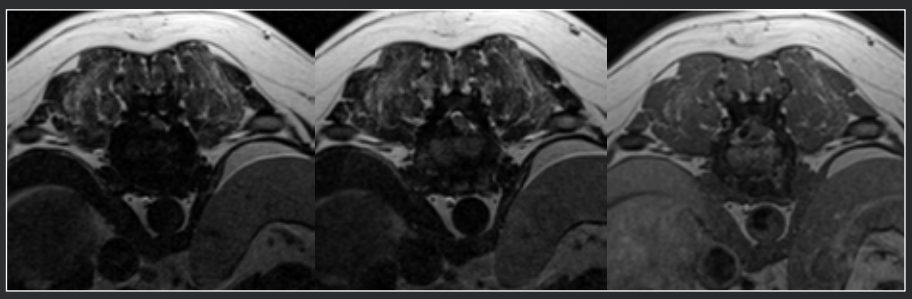
Labrador, Hernia with instability
T13–L1 - Splenic lesion



Sagital T2W

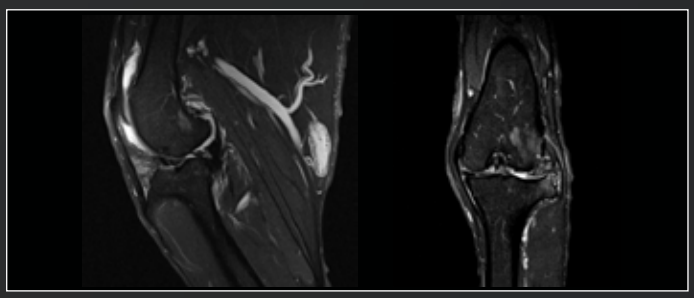


Sagittal T1W pre and post contrast media injection

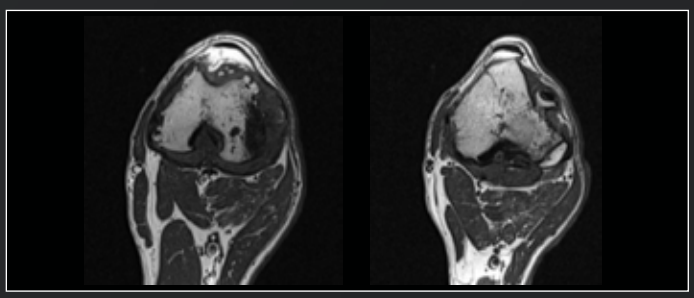


Transverse T2W and T1W pre and post contrast media injection

Canine Stifle joints, Meniscal Rupture and Arthritis



Sagittal and Dorsal FatSatPD



Transverse T1W

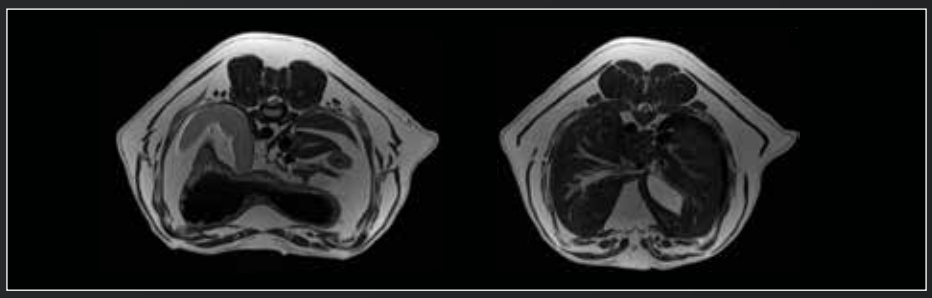
Canine Shoulder, Humeral periostitis



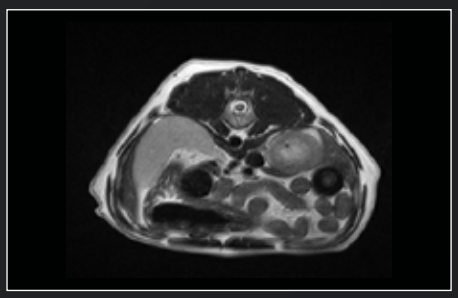
WFST

Images courtesy of Clinica Veterinaria Valdinievole

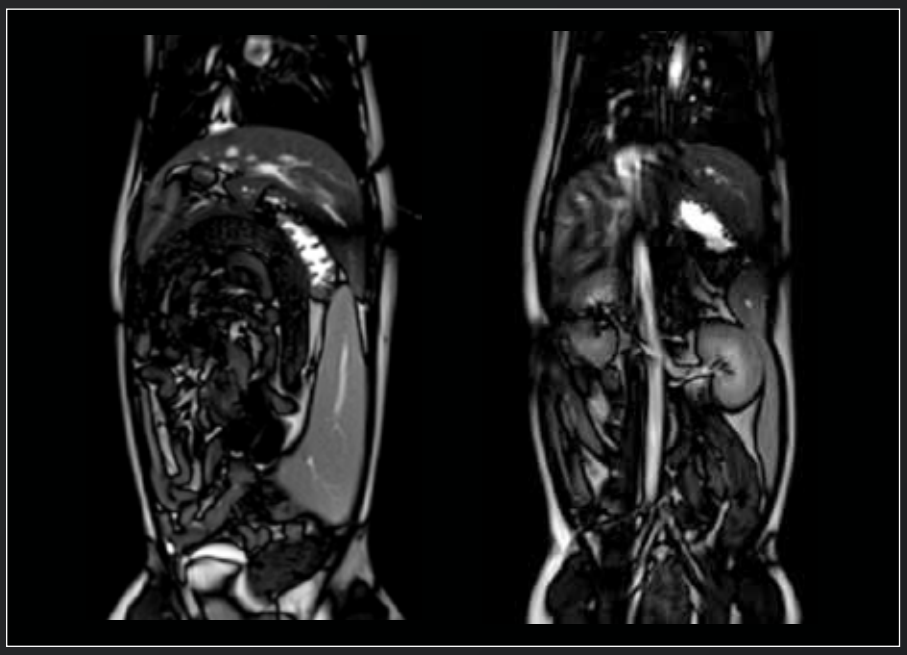
Canine Abdomen



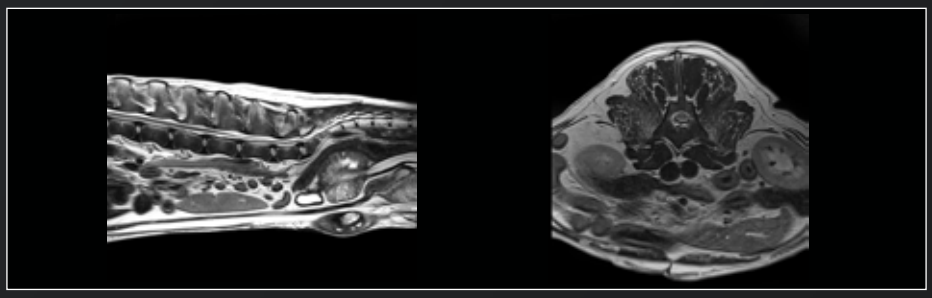
T2W of canine abdomen with respitarory gating



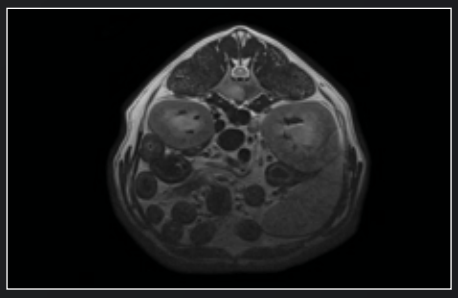
Transverse T2W with “Propeller” technique



Dorsal Balanced SSFP

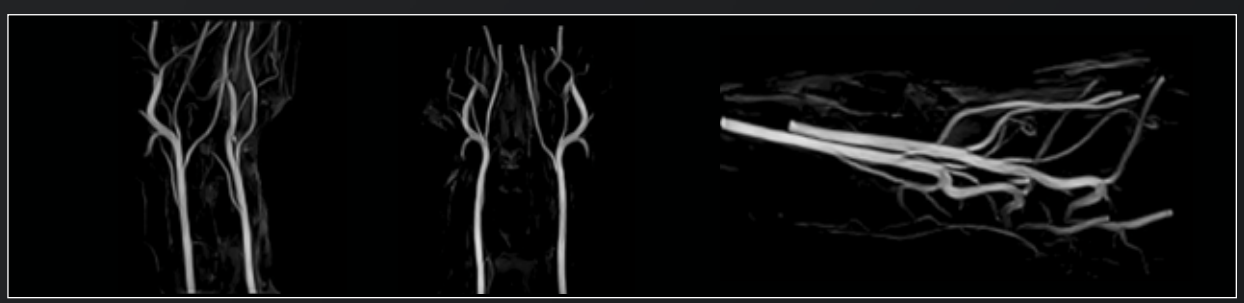


Sagittal and Transverse T2W



Transverse T2W

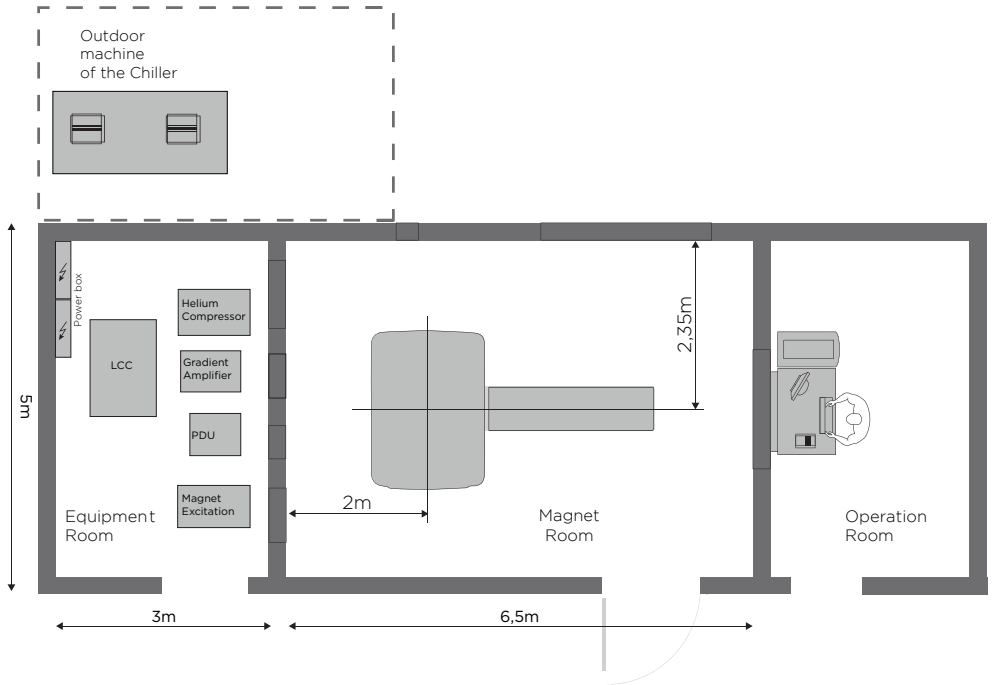
Canine Brain



MRA imaging

Images courtesy of Clinica Veterinaria Valdinievole

Installation



Example of a typical installation.
Alternative layouts may be implemented based on site-specific planning

Zero-helium MRI technology eliminates the need for complex cryogenic infrastructure, making installation faster, simpler, and significantly more flexible.

With no quench pipe, no helium refills, the system fits seamlessly into a wider range of veterinary facilities.

This compact, self-contained design reduces construction time, lowers installation costs, and simplifies site planning.

Supreme ZERO



Be part of the veterinary community

Esaote's robust collaboration with leading veterinary institutions ensures our constant alignment with the dynamic needs and trends in the veterinary field.

This approach not only enriches our understanding but also fosters a sense of collaboration and shared purpose within the broader veterinary community.

Together, we are shaping the future of veterinary care.





Veterinary MRI Community

Being an integral part of the veterinary journey.



Worldwide Meetings

To increase your knowledge in diagnostic imaging.



Worldwide hands-on

A practical, interactive session to be directly engaged with MRI.



Assistance services

Starting from any concerns, through the installation, to the on-site/online service assistance.



Health with care

Helping the veterinarian by providing the best diagnostic imaging.



Clinical Application support

Comprehensive training and continuous follow-up from clinical experts in MRI applications, from the initial instruction to the final customization of the system.



Coaching center

Opportunity to work alongside experts and reference centers to gain practical experience and become proficient in using the system.



Veterinary MRI Webinars

Clinical discussions led by internationally renowned speakers.

An educational library entirely at the disposal of users.



Veterinary Educational

Free access to clinical, scientific topics and advanced technologies.

esaote

CE

Importer: Esaote S.p.A. - sole-shareholder company

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Italian design

Please visit us online
for more information

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