

O·scan
equine



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Introduction

Sedated, stationary MRI is the standard of excellence recognized worldwide as the correct way to scan anatomy without compromising image quality. The Oscan equine covers imaging of the equine foot, pastern, fetlock, high suspensory, carpus and tarsus regions of the equine limb.

The Oscan equine is the ideal cost effective MRI to clearly distinguish between bone edema, ligaments or tendons ensuring an accurate imaging, through excellent contrast resolution and image quality; essential for an optimal diagnosis.



- ✓ Open permanent magnet
- ✓ 0.31 Tesla field
- ✓ Max RF power: 1500 W
- ✓ Shimming: passive
- ✓ Gradient: ± 20 mT/m
- ✓ FOV: 14 cm
- ✓ Low Power
Consumption: only 1 kW in normal 220/110 V power outlet
- ✓ Complete set of dedicated DPA coils

High Performance MRI at a fraction of the cost

O-scan Equine offers unsurpassable performance, comparable to the image quality of 1.5T systems.

The system covers imaging of the equine foot, pastern, fetlock, high suspensory, carpus and tarsus regions of the equine limb. With the special 3D SHARC sequence for articular cartilage evaluation and the XBONE, to evaluate bone marrow edema and soft tissues structures, you can easily get the complete assessment of the pathology with a very short exam time.

Also the most complete Pre purchase examination (PPE) can be executed very effectively with the Oscan equine, to evaluate the Musculoskeletal System, where most abnormalities are identified such as conformational defects, previous injuries or surgical scars as well as current soundness.

Unique advantages for you

Esaote's product development efforts have been highly focused on optimizing the features, performance and image quality of its MRI systems. Technology sums up to faster overall system response thanks to a number of sophisticated MRI software techniques, designed around the new concept of parallel computing. eXP will substantially improve the MRI examination by reducing scan times and improving image quality.



Premium Image Quality

Higher image quality for easier and more reliable diagnosis leads to optimal marketing for your services.



Low power consumption

Differently from High field systems, the Oscan equine does not require electricity or cryogenic liquids resulting in very low maintenance costs.



Advanced Hardware

Optimized features, performance and image quality. Designed around the new concept of parallel computing, eXP will substantially improve the MRI examination by reducing scan times and improving image quality.



Plug & Play

As from the day of delivery the system is fully operational and ready to use after 1 week of installation, set-up and tuning and 1 week operating and application user training.



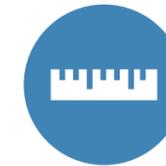
High Speed MRI

Shorter examination time means more comfort for the patient and higher efficiency. Pre-programmed protocols that simplify and speed up examination procedures.



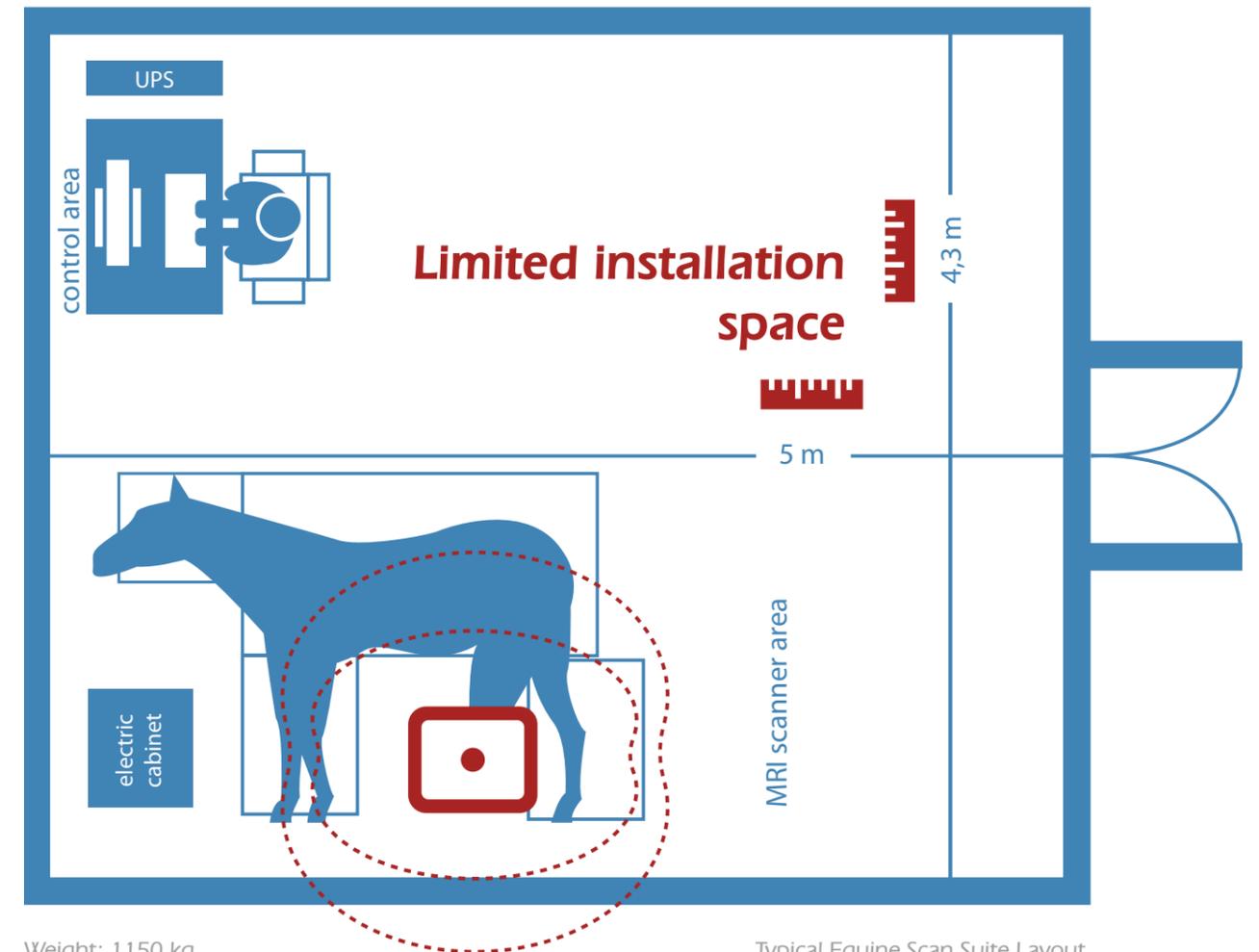
One Stop Shop

The fastest track to diagnosis and treatment, with the O-scan equine installed in your surgery room.



Limited installation space

The innovative design of the O-scan equine integrates a complete MRI system in one unique structure including RF shielding, with a low weight and extremely limited space needed for installation

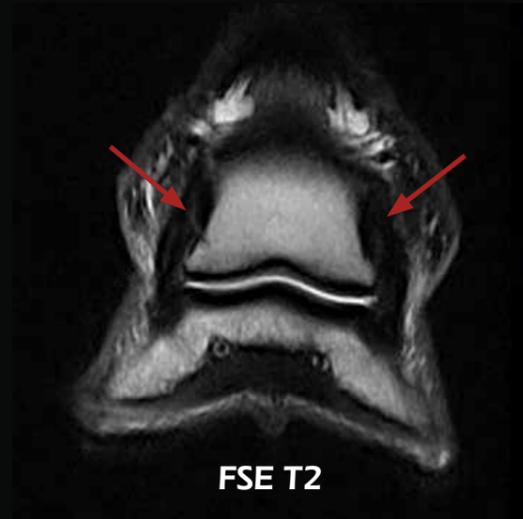


Weight: 1150 kg
RF-Shielding: Integrated Internal Shielding

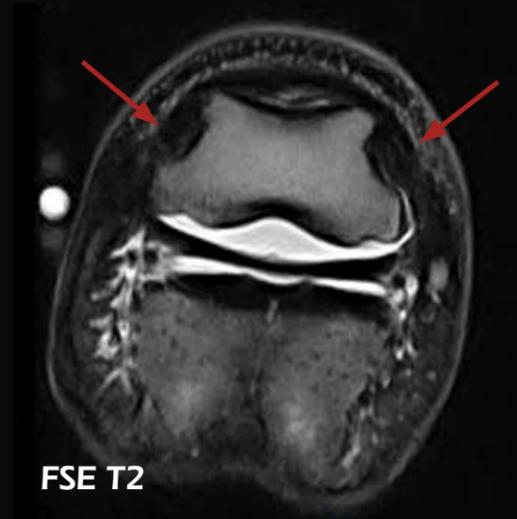
Typical Equine Scan Suite Layout

Case 1

Lesion of the collateral ligaments of the coffin joint



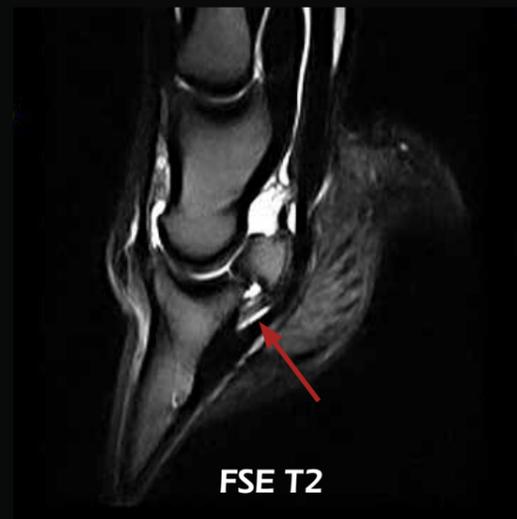
Significant T2 signal increase at the origins, proximal, mid and mid-distal levels of the medial and lateral collateral ligaments of the coffin joint.



In the axial plane the majority of the signal increases along the axial halves of the ligaments.

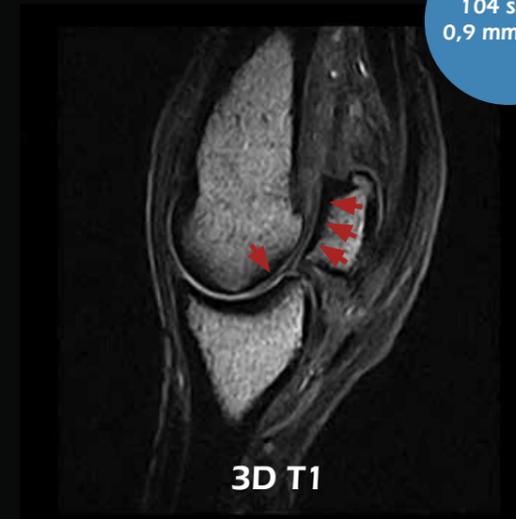


A tiny amount of STIR signal can be seen in palmar P2E where the distal impar ligament inserts. There is also a subtle increase in STIR signal seen in the navicular bone.



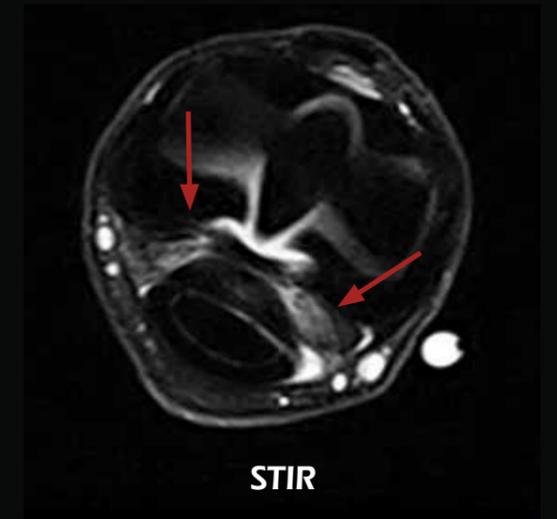
Case 2

Fetlock Artropathy

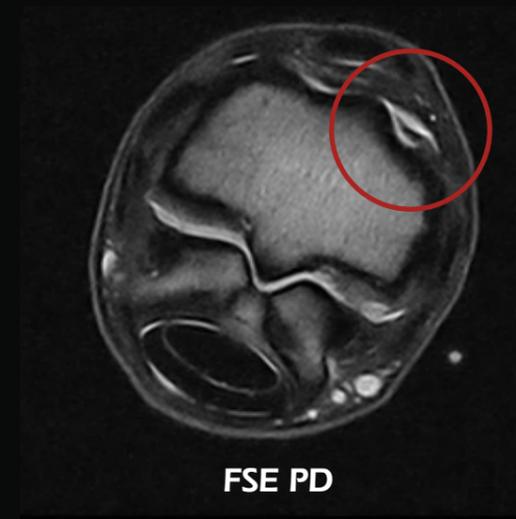


104 slices
0,9 mm thick

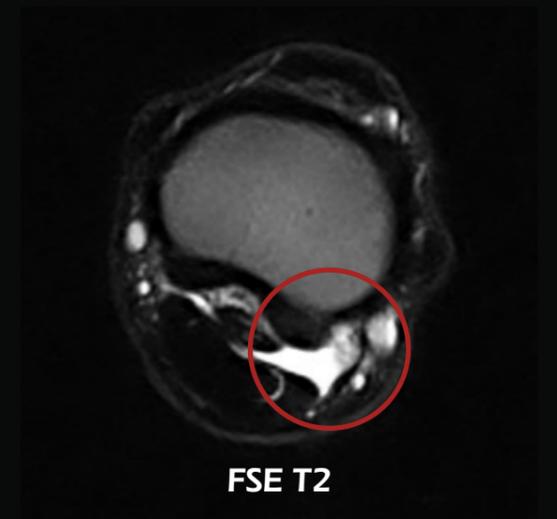
At the back of the metatarsosesamoidean joint there are areas with decreased cartilage signal on condyles and dorsal sesamoid bones.



Mild/moderate signal increase in the axial halves of the medial and lateral oblique distal sesamoidean ligaments.



The dorsal-lateral synovial pad is prominently seen as it is surrounded by fluid. This type of finding is often seen with a fetlock arthropathy.



Unusual accumulation of fluid in the palmar lateral pouch of the fetlock joint.



Join the global leader in veterinary imaging

Esaote is the pioneer in ultrasound and MRI in the veterinary field. Over 30 years of market leadership and preferred supplier for veterinary practices, clinics and research centers, but also for many zoos and wildlife institutions.

The perfect product in quality, functionality, price, service and education combined with the understanding of the veterinarians' needs, will guarantee the top position of Esaote in the veterinary imaging market.

Please challenge us with your imaging, ultrasound and/or MRI needs in your daily practice or specific projects. We would appreciate to be your imaging partner.

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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.
For further details, please contact your Esaote sales representative.