

Magnifico^{OPEN}

Magnify your possibilities



e saote
HEALTH WITH CARE

The next generation Open MRI from Esaote

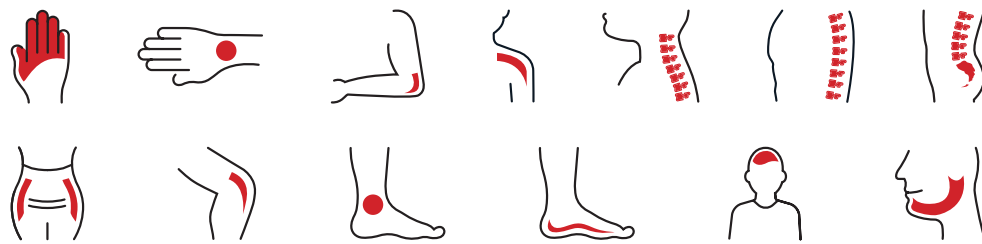
The technological evolution in MRI in the last years has seen important developments, particularly in data acquisition and elaboration resulting in a substantial improvement in image quality and a reduction of scan times.

Magnifico Open, born from 30 years of experience in MRI is based on Esaote's long-term experience and success in MRI, that is predominantly due to a strong focus on customer needs.

With **Magnifico Open**, Esaote has created a customer-driven MRI where technology is applied to serve user needs in terms of diagnostic efficacy and cost per exam. Thanks to the Esaote MRI technology, clinicians can broaden their perspective without compromising on workflow, image quality, ease-of-use or patient comfort.



Magnifico Open, Esaote's complete whole-body MRI system, offers technological advancements that embrace a wide spectrum of clinical applications. The strength of Esaote's **Magnifico Open** incorporates the latest MRI technology for uncompromised diagnostic quality, combined with a permanent magnet that guarantees low operating costs.



Patient positioning and comfort

Open system, free coil positioning, laser alignment, split coil design, easy-access patient bed. It all adds up to making patient positioning easy, fast and comfortable.



Claustrophobic patients

Magnifico is the right system for claustrophobic patients. The open structure and the comfortable patient table make it a comfortable MRI experience for all patients, in particular children.

Flexible Body coil

Designed to provide maximum patient comfort even for larger patients, thanks to the flexible section.

Transparent head coil

Designed to provide maximum comfort for claustrophobic patients.

Delivery excellence

Magnifico Open comes with a complete set of RF coils to maximize sensitivity to the specific anatomies under exam. This ample selection of dedicated coils guarantees a high signal-to-noise ratio (SNR) with a great signal homogeneity providing exceptional spatial resolution.



Cervical spine
(4 channels)



Lumbar, Sacral and
Thoracic spine
(4 channels)



Shoulder
(3 channels)



Knee Open
(DPA)



Hand-wrist
(DPA)



Ankle-foot
(DPA)



Shoulder
(linear)



Head*
(4-channels)



TMJ bilateral*
(2-channels)



Flexible body*



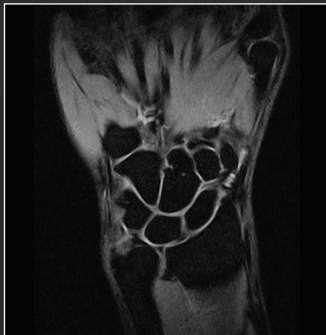
Linear Flex*



*Optional Coil

Consistent Image Quality

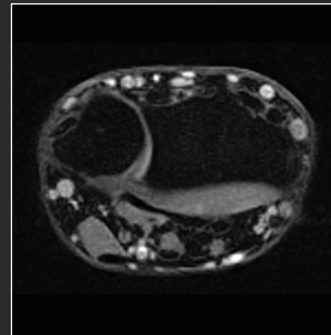
Optimized subsystem components and fast computing in combination with advanced software algorithms for data acquisition and elaboration like Speed Up technology and TR Reduction, ensure excellent.



Wrist X-BONE cor



Wrist SE T1 cor



Wrist X-BONE ax



Knee SE T1 sag



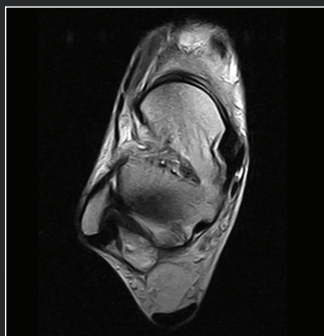
Knee FSE T2 ax



Knee FSTIR cor



Ankle SPED Fat suppression sag



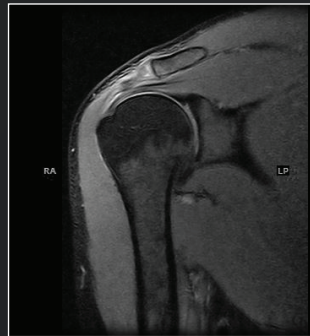
Ankle FSE T2 ax



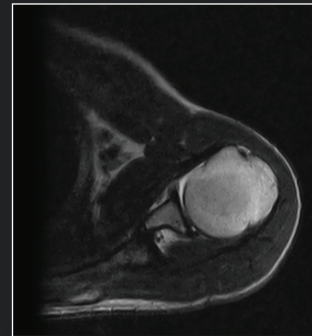
Ankle SPED Fat suppression cor



Shoulder SPED PD cor



Shoulder SPED Fat suppression
cor



Shoulder FSET2 ax



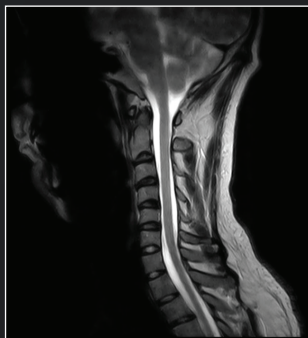
L-spine FSE T2 sag



L-spine SE T1 sag



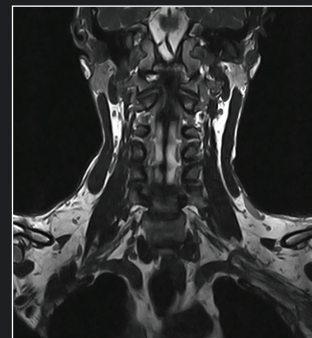
L-spine FSE T2 ax



C-spine FSE T2 sag



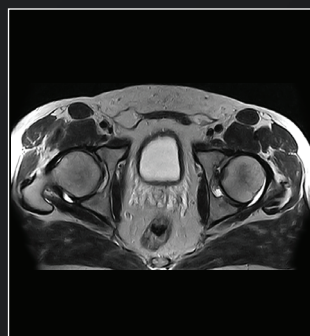
C-spine SE T1 sag



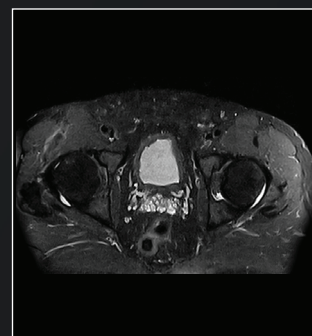
C-spine 3D SHARCcor



Hip SE T1 cor



Hip FSE T2 ax



Hip FSTIR ax

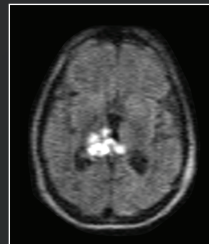
Diffusion-weighted imaging (DWI)

DWI technique measures the random motion of water in tissues.

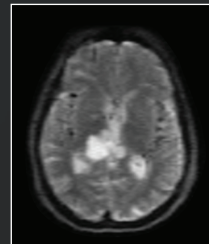
Magnifico Open uses the “Line-scan” technique to provide the typical DWI contrast without the need of a strong power supply with the advantage of the open architecture and the transparent Head coil, reducing claustrophobia for a more tolerable exam.



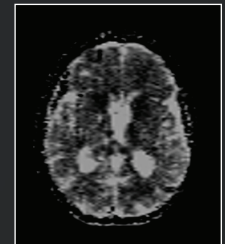
Head Coil



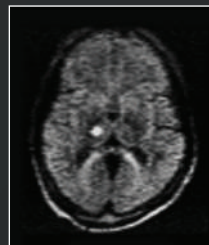
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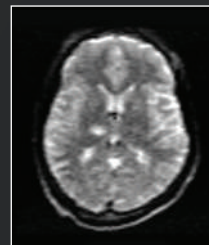
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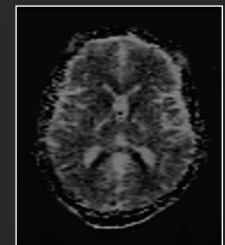
ADC



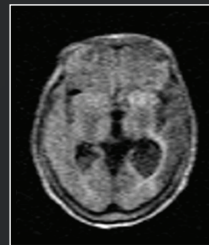
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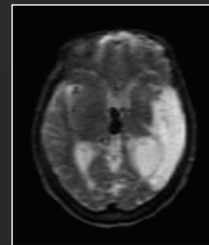
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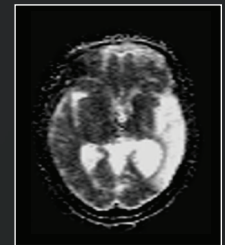
ADC



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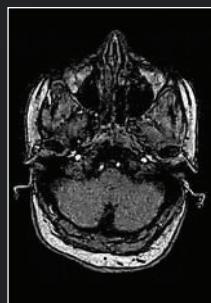
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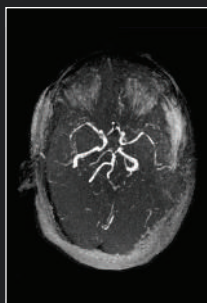
ADC

Angiography (ToF)

Angiography (ToF) is designed to provide vessel imaging, both with 2D and 3D acquisition techniques. The availability of a Maximum Intensity Projection (MIP) feature generates an interactive and real-time 3D manipulation of the anatomy under investigation, with the possibility of generating reslicing.



3D ToF



MIP from 3D ToF

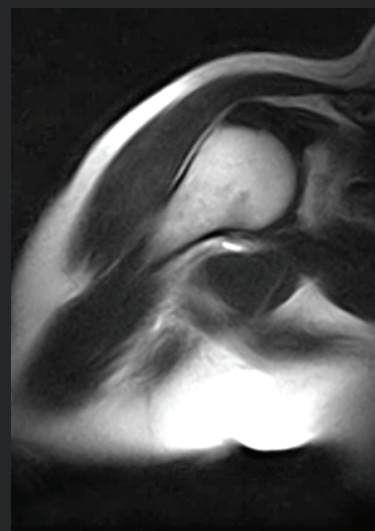
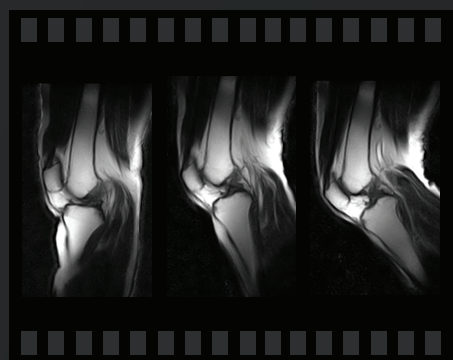
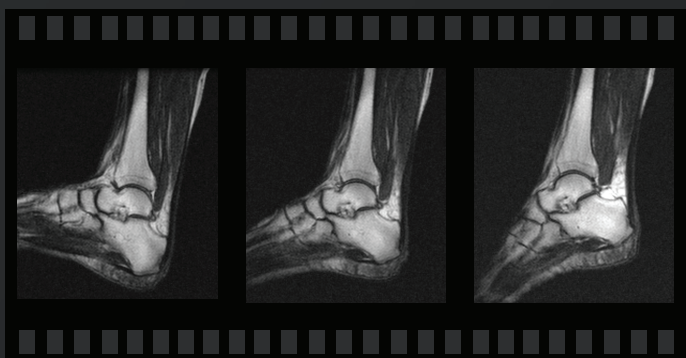
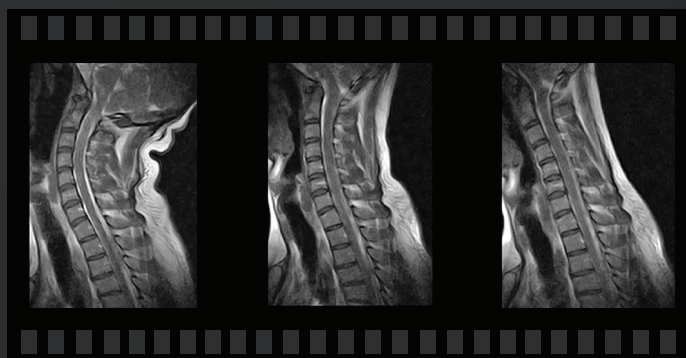


MIP from 2D ToF



The power of dynamic imaging

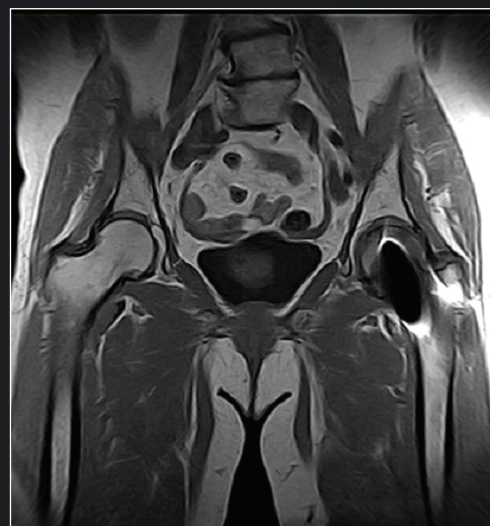
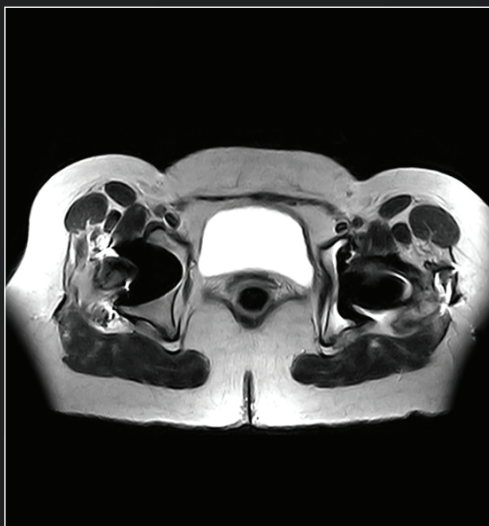
With the implementation of True-Motion, and thanks to the open magnet design, Magnifico Open allows the operator to perform MRI with patients performing specific joint movements, providing real-time information.



Metal Artifact Reduction, Open to all

Esaote systems have integrated special sequences designed to reduce artifacts ensuring high image quality without compromising diagnostic integrity.

Magnifico Open offers high-quality diagnostics also in the presence of the majority of implants.



Productivity without compromises

Productivity is about ease of use, optimized scan times and patient care and Magnifico covers all these aspects.



High patient comfort

Easy and fast real-time positioning thanks to the open design, free coil positioning, laser alignment, and easy-access patient bed.



Patient care

The open structure and comfortable patient table guarantee an easy and non-claustrophobic patient experience meaning less anxiety and therefore better and faster exams.



Examination workflow

New dedicated imaging protocols, from foot to head, to cover all whole-body anatomies. **Magnifico Open** guarantees fast examinations without compromising diagnostic quality.



Ease of use

Esaote systems have the reputation of being very easy to use and Magnifico is in line with this standard offering a user interface focused on getting the work done without losing the flexibility to customize scans whenever needed.



User friendly interface

Magnifico Open offers a User Interface up-to-date with the latest Microsoft Office™ standards to shorten the learning curve, focused on getting the work done without losing the flexibility to customize scans whenever needed.

Compelling economics



Return on investment

Magnifico Open has been developed in line with the Esaote MRI philosophy which means:

- Compact installation
- Easy operation
- Minimized total cost of ownership
- Dedicated service contracts

Low running costs

- Low power consumption (maximum 3 Kw)
- No cryogenics, no water cooling
- Dedicated service contracts



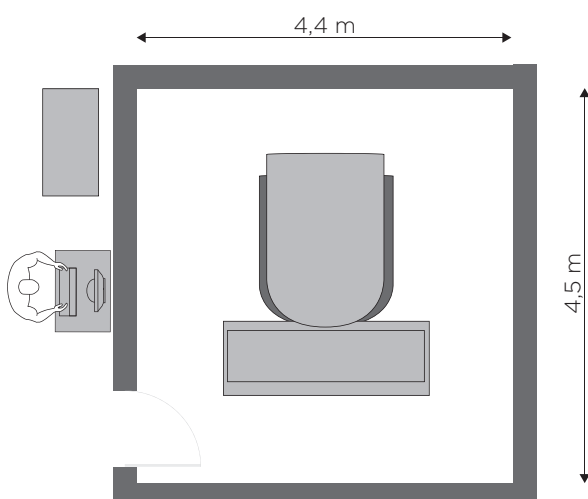
Easy installation

Thanks to its smart design the magnet unit and RF shielding will fit in a space of 20 m² (212 sq.ft.).



Safety

Esaote's commitment to safety, combined with the benefits of wider accessibility, defines a new frontier where patients come first.



Green MRI



One room Mri System with a minimum space of installation, **20 m² (212 ft²)**, including electronics and console.



Plug-and-play solution with low electrical consumption: **0.4kVA OFF, 1.2kVA stand by, 3 kVA during acquisition.**



No helium or cooling system is required, making installation simple and easy. RF cage shields can be installed without additional room modifications or construction costs.



No dedicated electrical line; power supply voltage: 200-210/220-240 V 50/60 Hz



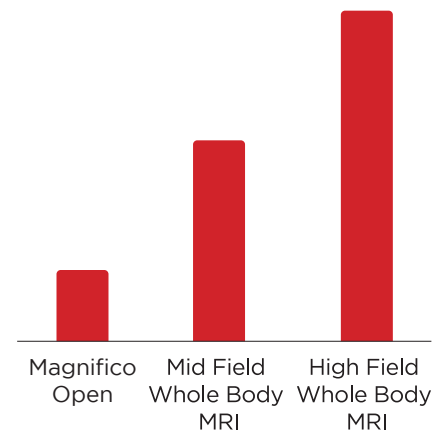
Permanent magnet technology guarantees high reliability and **low maintenance.**



Sustainable MRI Low power consumption: drawing only 0.4kVA when the system is OFF:

- No cryogenics, no water cooling
- Not even a drop of helium

Cost per examination (electrical consumption)



Connectivity and Integration

Magnifico Open includes complete networking and storage features to work either stand alone or as part of an integrated environment.



Data security

The system is in line with today's requirements for data security with automatic antivirus security updates.



Standalone operation

As a stand-alone scanner, **Magnifico Open** comprises an integrated DVD storage and retrieve software package, printer output facility and a patient-CD package.



Network operation

Magnifico Open is DICOM and IHE compliant and offers smart solutions for connectivity to your PACS and teleradiology.

System Life Cycle Protection



Remote service and customer care

All Esaote systems come with remote service capability. The remote service capability allows Esaote to react to any potential issue and to get you up and running faster!



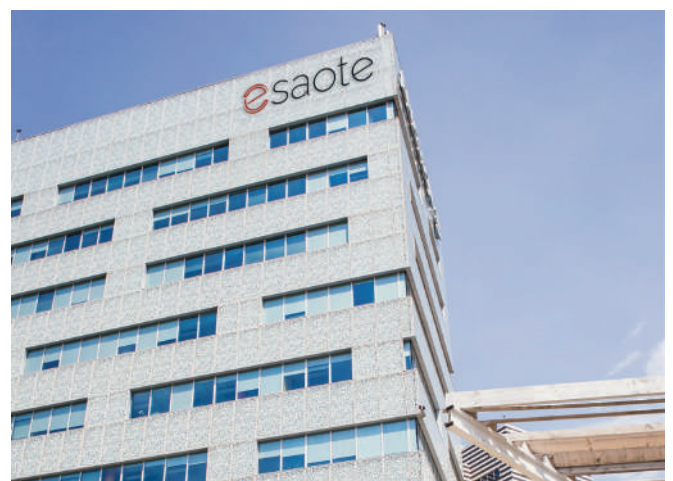
Ready for the future

Esaote MRI systems are built for the future. **The MDR classification** of the system can keep up with technological advances to satisfy market needs, protecting customers' investments over the years.



Esaote MRI

One of the top 10 diagnostic imaging providers, respecting the highest quality standards in production and customer service processes.



Esaote headquarter in Italy.



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

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Italian design