

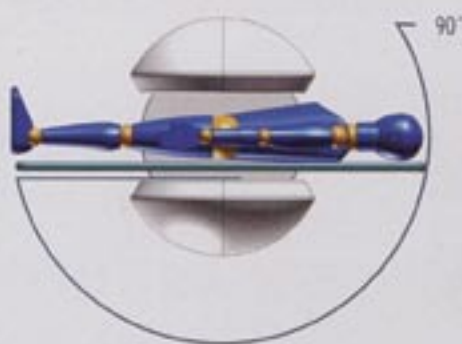
Dedicated MRI

MRI from a different point of view

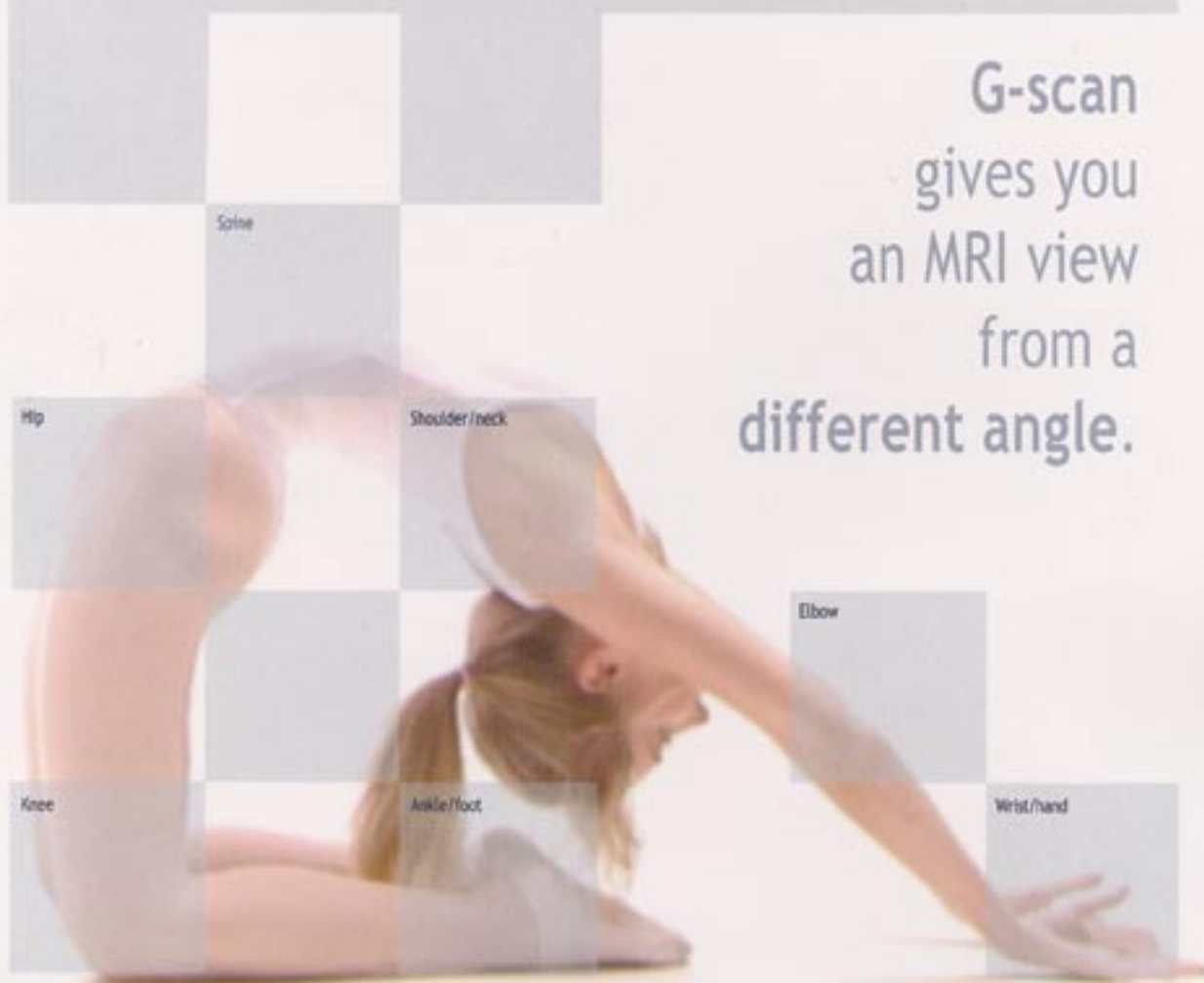


ESAOTE
THE IMAGE OF INNOVATION™

G-scan is an innovative MRI platform for the examination of all musculoskeletal applications. The open and tilting design is the new and innovative way of doing MRI in which the position of the patient becomes an integral part of the outcome of the examination



G-scan
gives you
an MRI view
from a
different angle.





MRI imaging, the old way and the G-scan way.

Imaging the spine in its natural, weight-bearing position has been one of the targets of MRI development.

There are significant bio-mechanical changes from the recumbent to the weight-bearing position and several pathologies are affected by these mechanical changes. MR imaging of the spine in the natural standing position is therefore the most

logic solution and that is exactly what G-scan is about, to give you the different view.

G-scan,
a turning point
in MR imaging



Optimal Performance

From recumbent MRI...

G-scan is first of all an excellent open musculo skeletal MRI system with optimal performance on all joints including the spine.

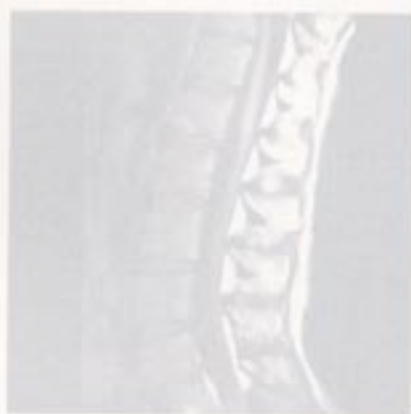
G-scan covers all musculo skeletal applications which account for about 50% of the MRI workload and in case of speciality clinics, like sport and orthopaedic centres, G-scan will cover almost 100% of the MRI examinations.

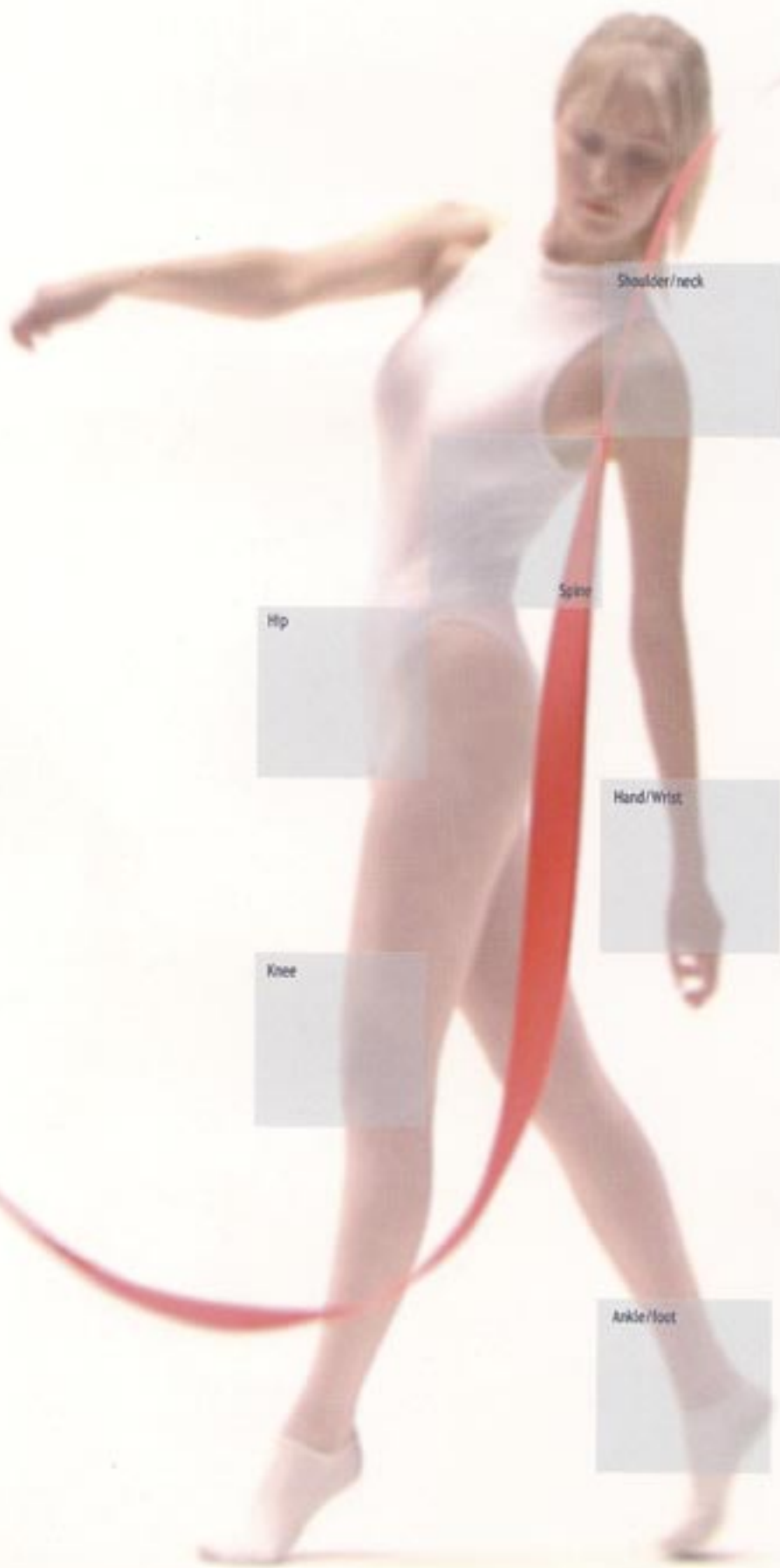
True weight-bearing is important but standard MRI examinations are still the main workload.

Esote therefore has created a system that can perform true weight bearing MRI as a feature incorporated in a standard MRI system.



Optimal performance
on all joints
including the spine





...to Weight Bearing MRI

G-scan,
Dual Use
MRI system

Thanks to its unique
tilting design, the gantry can
be rotated to move the patient
in a true weight-bearing
position.

Normally the patient will be imaged, first in the traditional supine position and next in the upright weight-bearing position also to make differential diagnosis possible.

There are several ways to perform weight-bearing MRI but there is only one simple and cost effective way : G-scan, the in office weight-bearing MRI.



> Fast and easy patient positioning with:

Instant Positioning

Another unique feature is "Instant positioning". Once the patient has been positioned on the table, just press the button of the joint under investigation which automatically moves the patient and coil in the isocentre.

Real-Time MR

G-scan comes with the realtime MR feature. Using a fast acquisition sequence, the display on the gantry will show in real-time the MR image of the joint assuring fast and accurate positioning.

Realtime Preview

Automatic patient positioning



PREVIEW



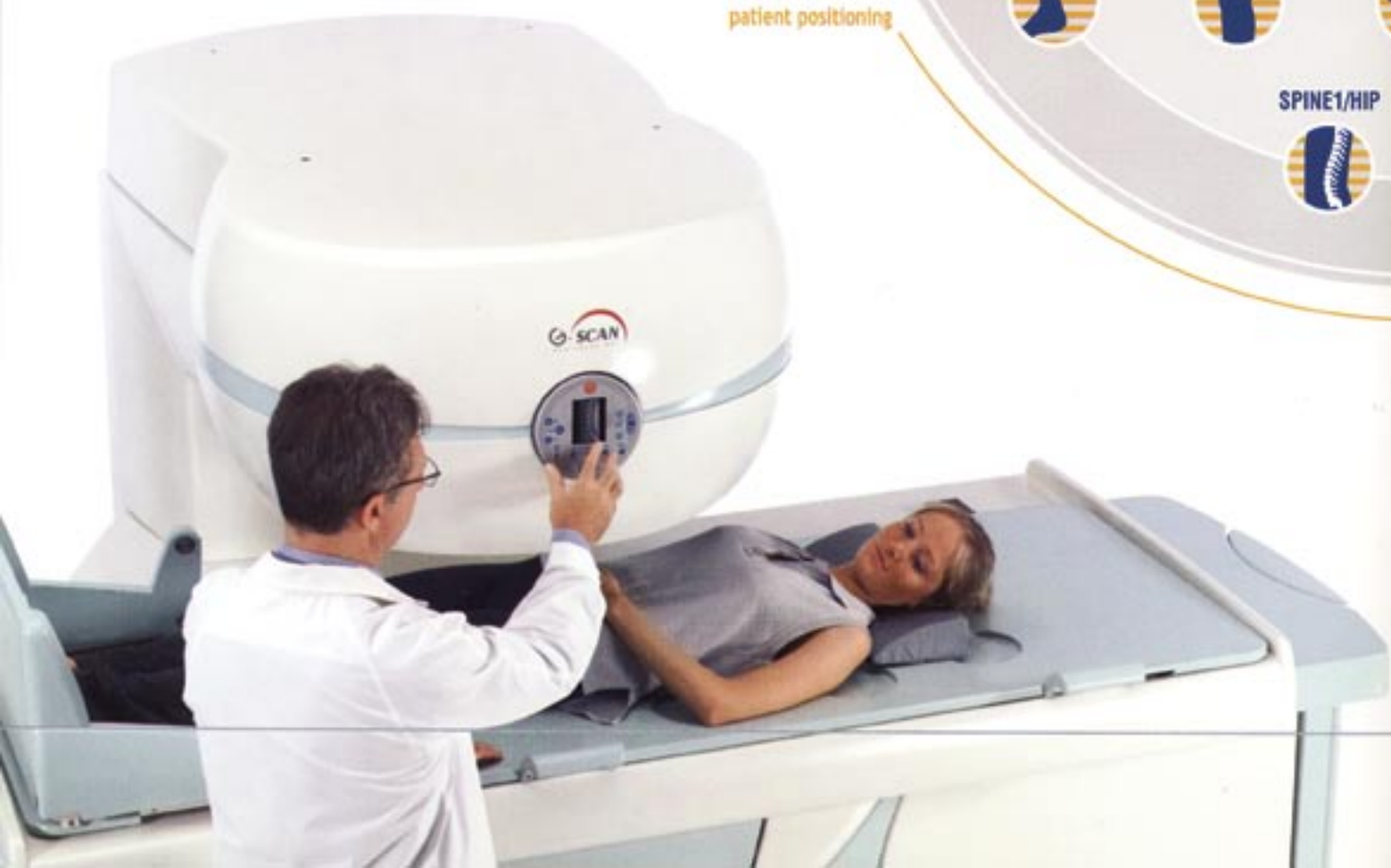
KNEE



W



SPINE1/HIP





User interface
very simple
and user friendly



Tilting



Simply push the
button of joint
under examination

G-scan is a musculo skeletal MRI system specifically developed to perform this kind of examinations. Unlike a multi purpose MRI, all aspects of the G-scan system, from coils to user interface, have been developed and optimized to perform in the most efficient and comfortable way musculo skeletal MRI examinations. System handling and patient positioning therefore can be done by a single radiologist or technician.

The use interface is very simple and user friendly, routine exams can be performed by just a few mouse clicks.

Also the most expert user will be fully satisfied as all scanning parameters can be personalized and the custom sequences can be stored and integrated in the normal menu structure for subsequent use.

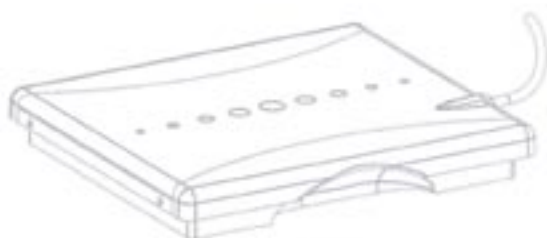
Ease of use

The Right Coil for any Examination

G-scan includes a complete set of receiving coils specially designed for the joints, which guarantees very high sensitivity and patient friendliness.

The standard set includes: a knee coil, a wrist/hand coil, an ankle/foot coil and a shoulder coil which are all Dual Phased Array.

- * The multipurpose flexible coil (optional), thanks to its shapeable characteristic and soft material, covers the hip examinations and suits particularly well for patients with painful shoulder.



spine coil



knee coil



* flexible coil



ankle/foot coil



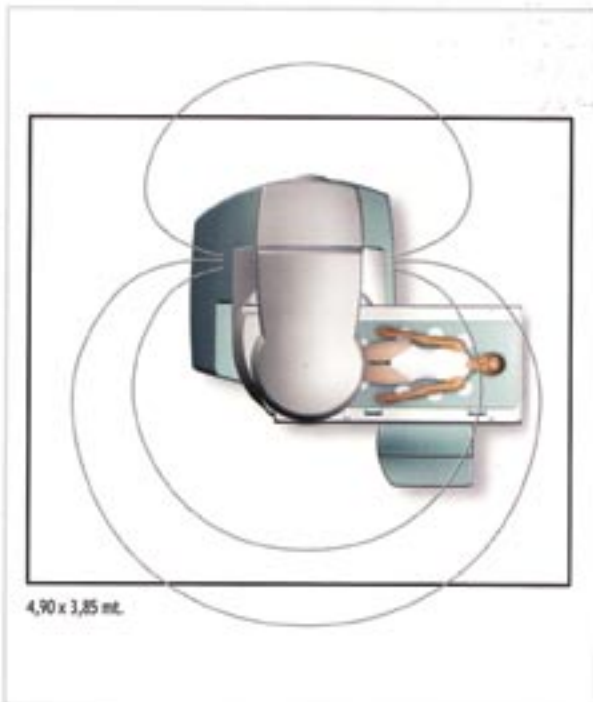
shoulder coil



wrist/hand coil



System economics



G-Scan can be installed in a single room of only 27mq.

Some facts and figures about installing and running a G-scan MRI service:

- > Like all Esaote MRI systems, also G-scan is a "one room" MRI system which means that the complete system, magnet, electronics and console can be installed in a single room of only 27 mq.
- > G-scan is based on a 0,25 T permanent magnet so no cryogenics and no complicated cooling systems are required.
- > Dedicated shielding available. The Esaote dedicated shielding is a pavilion style independent shielding that can be installed without any construction works.
- > Fast and high quality service. Thanks to the build in remote service capability, technical assistance is fast and efficient.

All these features make G-scan not only a unique system from a clinical and diagnostic point but it also makes G-scan a system that is easy to site and very economical to run.

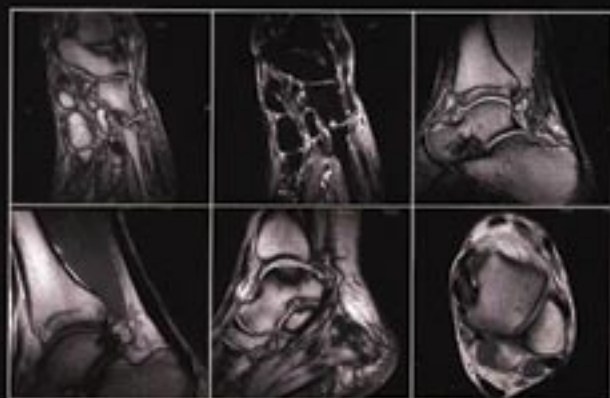
The low break even point of G-scan is fully in line with the economical constraints of today's healthcare environment and make G-scan therefore an optimal investment also for the private clinic.



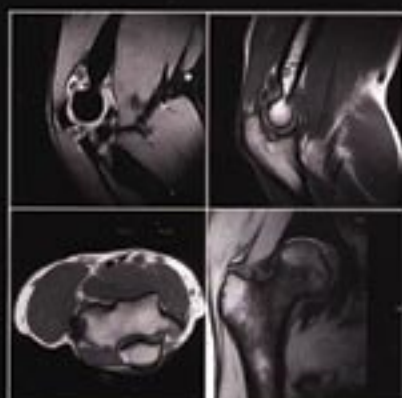
G-scan is the system that makes it possible to offer the extra diagnostic capability and service that can give your diagnostic service a cutting edge.

G-scan has the extras to distinguish your MRI service :

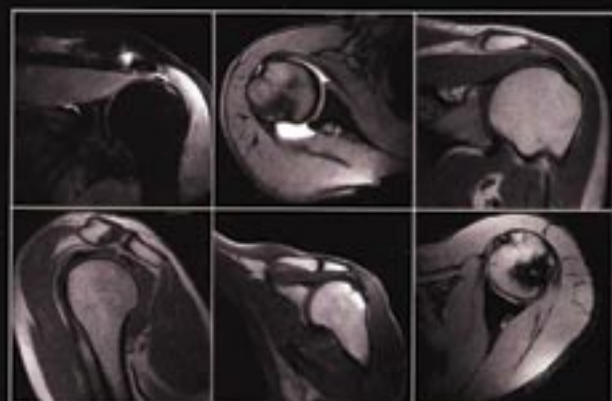
- high quality musculo skeletal MRI
- open MRI, no claustrophobia
- weight-bearing MRI



- > Flexible positioning and dedicated coils allow imaging of the ankle and foot with optimal comfort
- > Traumatic and degenerative lesions are accurately imaged with high spatial resolution



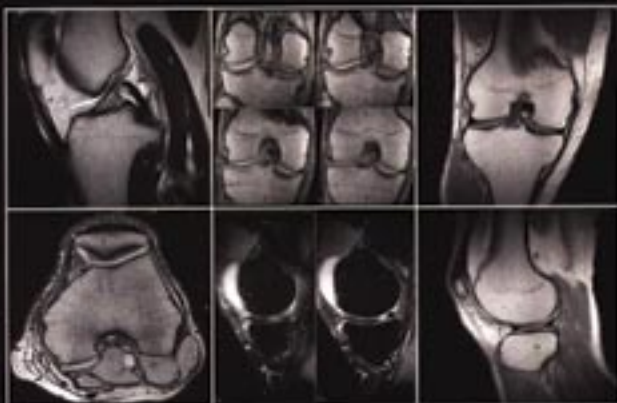
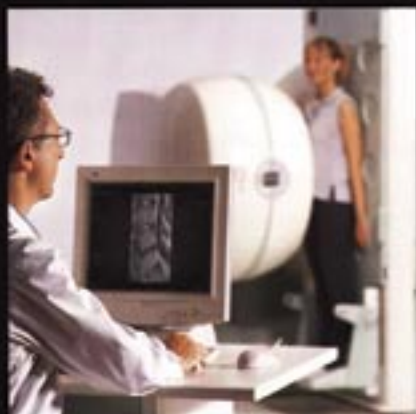
- > Dedicated MRI philosophy includes dedicated Coils for any joint



- > Spin Echo for diagnosing rotator cuff diseases, labral tears, lesions of the supraspinatus tendon, impingement
- > 512 matrix generates high resolution images with improved accuracy in the evaluation of cartilage and osteochondral pathologies

Give your
diagnostic service
a cutting edge

G-scan, the system that makes a difference



- > Accurate imaging of menisci, ligaments and tendons with a wide variety of spin echo sequences
- > Cartilage and osteochondral pathologies best visualized with Gradient Echo and 3D-CE
- > STIR and GE-STIR for maximum sensibility in diagnosing bone-marrow pathologies



- > A dedicated hand coil provides high resolution imaging of the small structures in the hand and wrist joints
- > 3D volume acquisitions and STIR are used in several sites for screening purposes and trauma applications

Standard supine examination



Weight bearing examination



This Painful and harmful nerve compression is better visualized with Weight Bearing examination. The axial view allows optimal surgical planning.

- > Real Time Imaging for easy and fast positioning of the patient
- > Supine exam can be performed as a first step toward Weight Bearing Imaging
- > Weight bearing feature opens a new era in pathology investigation



G-scan connects

Connection to the hospital network is easy as G-scan comes complete with network hardware and software.

By using the DICOM® standard, images can be sent to other modalities like PACS system and printers. The "Autosend" (also called "Auto-push") function will automatically send all images to the destination of choice without the need of operator interaction.

Modality Worklist: G-scan can receive patients lists of the day directly from the HIS/RIS, for optimized integration within a hospital network.

Service on Line.

The G-scan is supported by Esaote's comprehensive MRI service departments. The remote service program ARAS, specially developed for Esaote MRI systems, enables service technicians to directly connect to any Esaote MRI unit for immediate check-up and trouble shooting.

G-scan is part of the Esaote family of innovative MRI products.

Esaote MRI systems are on the market for over 10 years and worldwide more than 1400 systems have been installed



C-SCAN
DEDICATED MRI

E-SCAN X0
DEDICATED MRI

G-SCAN
DEDICATED MRI

Esaote introduced E-MRI in 1993 as a response to the growing demand for MRI of the extremities. Research and development has been driven by customer needs and patient comfort while still focusing on the cost benefit ratio. This innovative approach has made Esaote the recognized world leader in dedicated MRI

**Not available
for sales in USA**

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THE IMAGE OF INNOVATION™

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G-SCAN

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DICOM® is a registered trademark of the National Electrical Manufacturers

Association



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