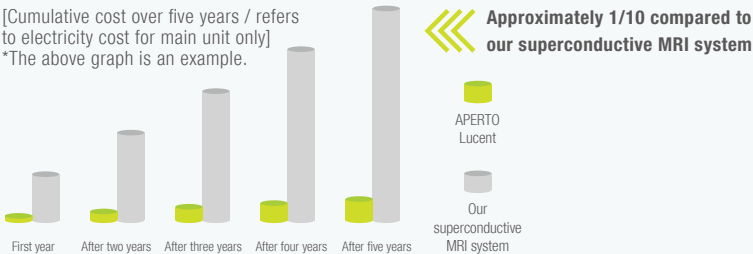


Why our Open MRI is first choice around the world.

01 Making MRI affordable

Low running costs together with an attractive initial investment accelerate your MRI business and offer an excellent return on investment

[Cumulative cost over five years / refers to electricity cost for main unit only]
*The above graph is an example.



In permanent magnet Open MRI technology, the magnetic field remains strong over the years with barely any change. Unlike superconductive MRI, there is no need for additional equipment and infrastructure in order to maintain the magnetic field, thereby keeping the costs low. A low capacity power supply means the initial power system cost can be kept low, and lowering energy consumption reduces monthly running costs too. The APERTO Lucent does not require a cooling system

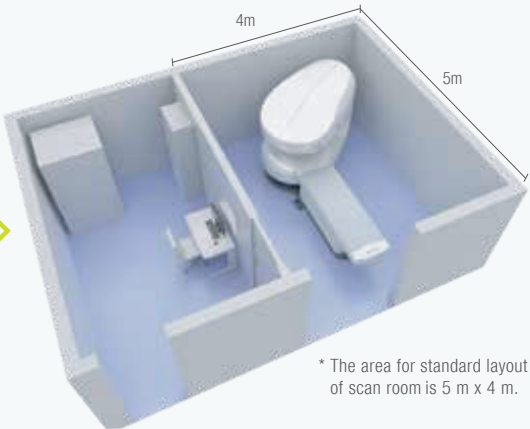
System	Power supply capacity
Our superconductive MRI system	50kVA~125kVA
APERTO Lucent	9.5kVA

03 Small Footprint

APERTO Lucent's compact design significantly reduces the space required for installation

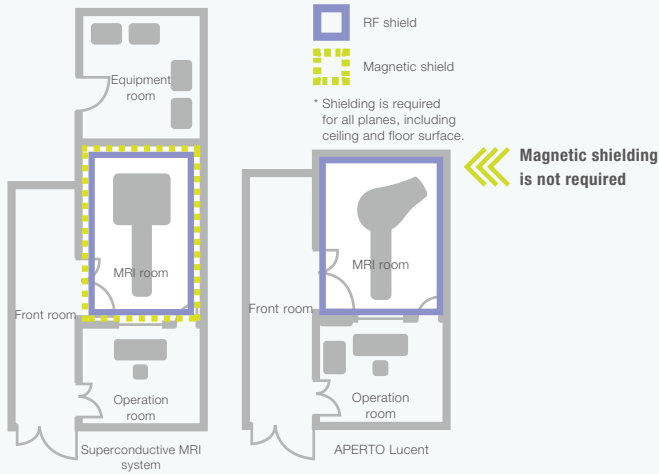
APERTO Lucent consists of three main units: the gantry, console and power supply system; fewer than its superconductive counterpart. The magnetic field leakage is also kept low, and in turn, the imaging room can be small.

Equipment room not necessary



02 Ease of Installation

Reduced construction costs with easy siting



MRI installation usually includes two types of shielding: RF shielding to block any high frequency noise from the outside and magnetic shielding to suppress leakage of the magnetic field from the inside. However, a permanent magnet MRI system generally does not require any specific magnetic shielding, so the cost of construction is reduced. Removing many of the construction processes usually associated with superconductive systems, results in faster and easier installation ensuring your Open MRI is up and running in a shorter timeframe.

Over 7000 Units

Region	Units
JAPAN	3,202
ASIA	880
U.S.A.	1,994
EUROPE	743
Others	220

APERTO Lucent

Prime Open MRI

with SynergyDrive



For more than 30 years, we have been leading the way in open MRI. With more than 7,000 MRI systems delivered worldwide, We are at the forefront of Open MRI technology.

FUJIFILM PAKISTAN (PVT) LTD.

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Hyderabad: 022-2787277	Faisalabad: 041-8548153	Sargodha: 048-3768410	Rahim Yar Khan: 068-5877151	Gujrat: 053-3515415
Sukkur: 071-5628211	Multan: 061-4543472 / 4545106	Sahiwal: 0404-226375	Gujranwala: 055-3856479	Swat: 0946-721433

The world's leading

OpenDesign

0.4T × open design

APERTO Lucent offers sophisticated MR imaging through a permanent magnet with 0.4T static field strength together with a compact gantry. Our technological expertise enabled the design and creation of a single-pillar MRI structure which offers premium open space.

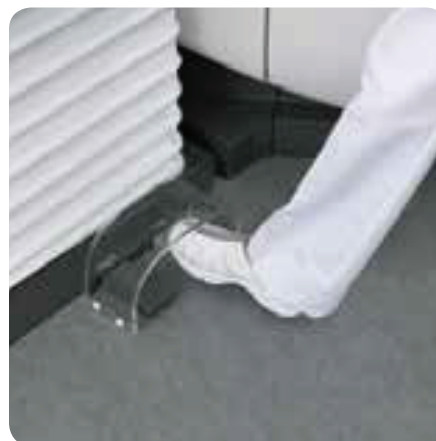
APERTO Lucent offers panoramic open aspect designed to reduce patient anxiety and provide a comfortable examination environment.

Open Your Vision, Make a Smart Choice

■ Footswitch

Allowing the operator to focus on the patient

The adopted footswitch enables hands-free control of the table in the vertical and horizontal direction, allowing the operator to focus on patient care.



■ Open Design

Created to expand space and light, helping to reduce claustrophobia and anxiety



■ Lateral Slide

Enables high-definition imaging even in off-centered regions

APERTO Lucent's table can be moved laterally (right and left) inside the gantry. Therefore, any region that is out of the midline (shoulder, knee, etc.) can be centralized to the magnetic field.



■ Floating Table

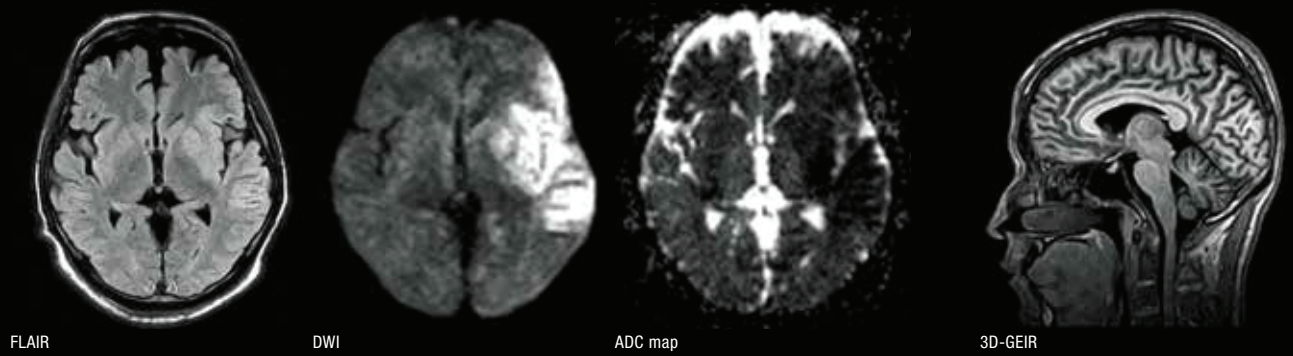
Designed for comfort, accessibility and isocentric imaging

The lateral slide function allows the floating table to move right and left inside the gantry and the target region can be positioned easily in the centre of the magnetic field. The table can be lowered to a minimum height of 490 mm, allowing easier accessibility for children and elderly patients. The 700 mm wide table top offers patients both comfort and a 'feel-good' factor, helping to reduce claustrophobia.



Image Gallery

[Hyperacute Cerebral Infarction]



[Cerebral Aneurysm]



3D-TOF VR image

[Internal Carotid Stenosis]



2D-TOF MIP image

[Neck Pulse-gated MIP image]

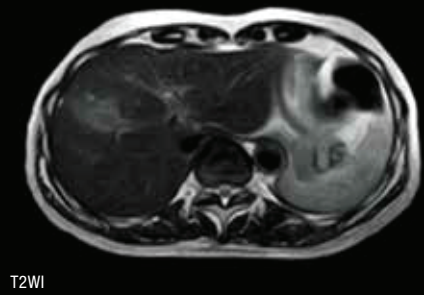


3D-VASC-ASL (Non-Subtraction technique)

[Upper extremity Pulse-gated MRA MIP image]



[Metastatic Liver Tumour]

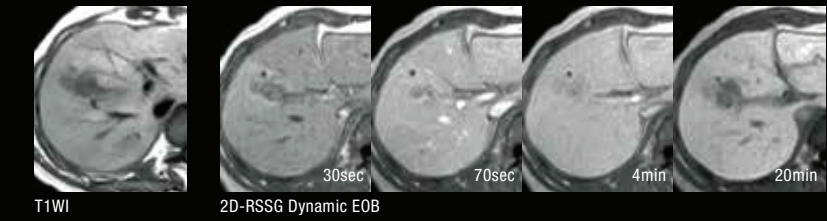


T2WI

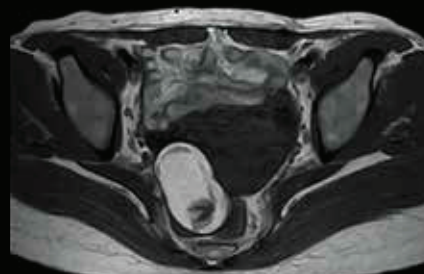
[Abdominal MRCP]



Respiratory-gated MIP image



[Right Ovarian Dermoid Cyst]

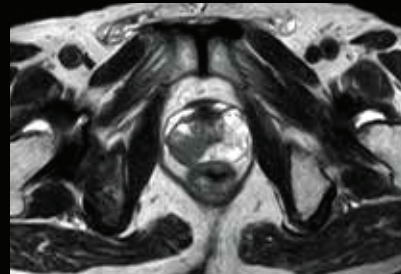


T1WI



FatSep-T1WI

[Prostate Cancer]



T2WI

[Ossification of Posterior Longitudinal Ligament]



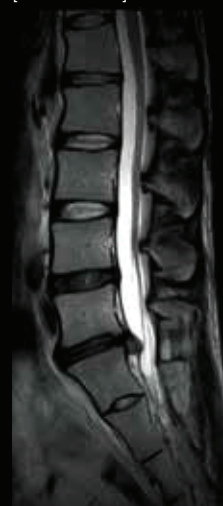
T2WI

[Multiple Myeloma]

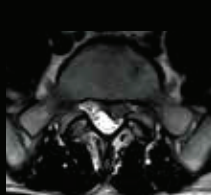


T2WI

[Disc Herniation]



T2WI



[Lumbar Spondylolysis]



FatSep-T2WI

[3D Neurography]



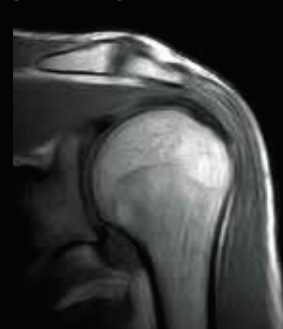
FatSep-T2*WI

[High Resolution image]



T2WI

[Shoulder Joint]



T1WI RADAR OFF

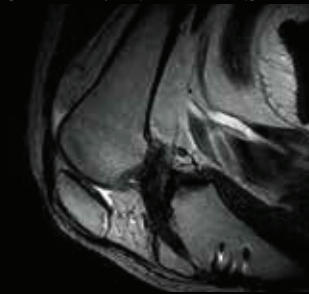
T1WI RADAR ON

[Lunate Malacia]



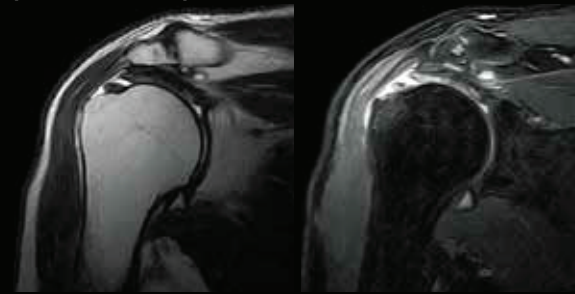
FatSat-PDWI

[ACL Post-surgery (Flexed Position)]



T2WI

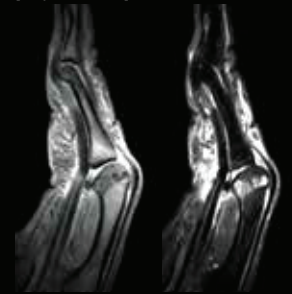
[Rotator Cuff Partial Tear]



T2WI

FatSep-T2WI

[Finger Fracture]



T2*WI

STIR

[Meniscus Injury]



T2*WI

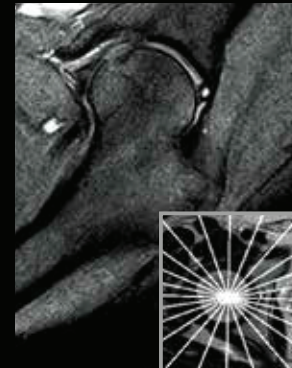
[Suspicion of Cellulitis, Osteomyelitis]



FatSat-PDWI

T2WI

[Labral Tear]



T2*WI RadialStack

Prime Imaging

Our magnetic circuit technology and unparalleled diagnostic functions enable crisp, high-definition imaging of clinically challenging regions and applications.



■ **RADAR***
Motion reduction capability

■ **SuperShim**
Reduces magnetic field non-uniformity which cannot be corrected with primary shimming

■ **VR (Volume Rendering) Function**
Supports diagnosis of complex vascular structures

■ **VASC-ASL***
Offers non-contrast MR angiography technique

■ **FatSep Function**
Provides fat suppression imaging with high SNR



■ **High Reconstruction Imaging**
Supports high-definition imaging

■ **High Sensitivity Receiver Coils**
Especially effective for images with a small FOV and high spatial resolution

■ **3D-GEIR***
Acquire high contrast, 3D, high spatial resolution images

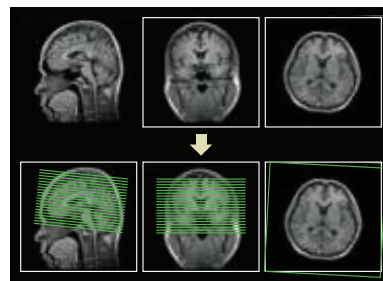
Prime Operation

Enhanced operability supports efficient and reliable diagnosis, together with ease of operation and image sharing capabilities.



■ AutoPose

Supports correct image cross-section settings and reduces strain on the operator



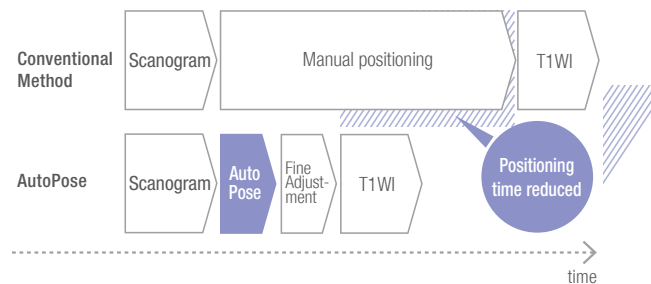
■ Customization of protocols

Supports efficient registration and alteration of protocols



■ Unified, eye-friendly colour to minimize eye strain

A user interface that is easy to understand and operate



■ Curved MPR

Reconstruction capability of various cross-sectional images from the 3D images

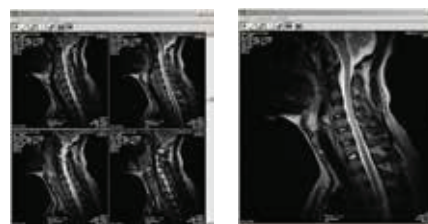
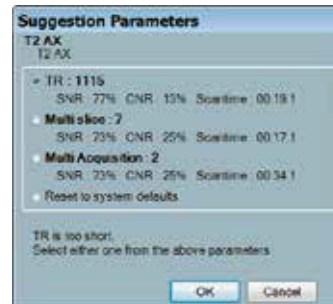


■ IHE PDI Function

Extensive coordination for compatibility with the hospital's in-house and external network systems

■ User Interface (UI) suggestions

Supports alteration of imaging parameters



■ Radial MPR

Offers simultaneous image reconstruction of multiple cross-sections

