Medonica
A Partner for Health

magVUE elite

Medonica

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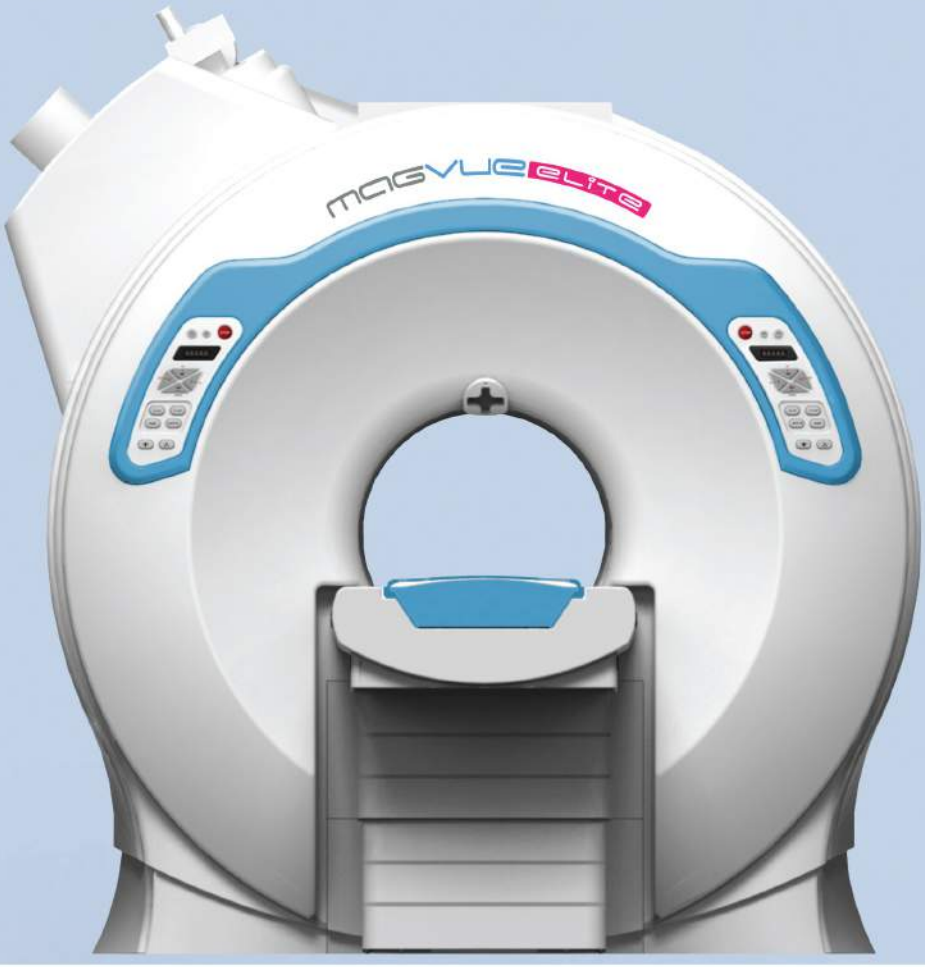


Splashing Medonica

The Improved MR Imaging System Magnet

Since "Green Technology" is Medonica's core value, Medonica considers and focuses on the true meaning of Green Activities. As Medonica follows the direction of concept and implication of green activities, human life and health are automatically follows. Medonica's advanced medical technology,and the efforts from green activities are well combined to have succesful development. Now Medonica presents 1.5T MRI system along with 0.33T. Why is Medonica keep trying on human life and health? So they can step forward to give the best life to the world.

Superconducting Magnet

- Compact, ergonomic
- Large bore diameter
- Short length
- High homogeneity covering up 50cm D.S.V
- Minimum helium Consumption

Patient's Comfortability

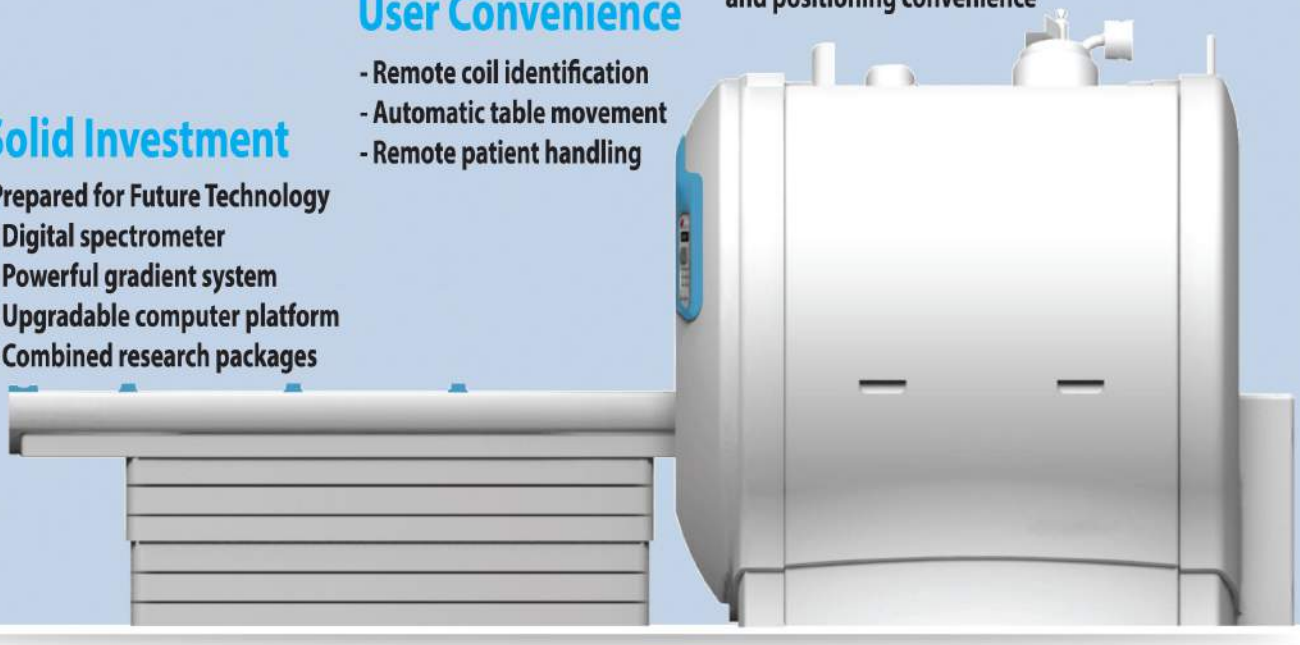
8/16 channel phased array coil
and positioning convenience

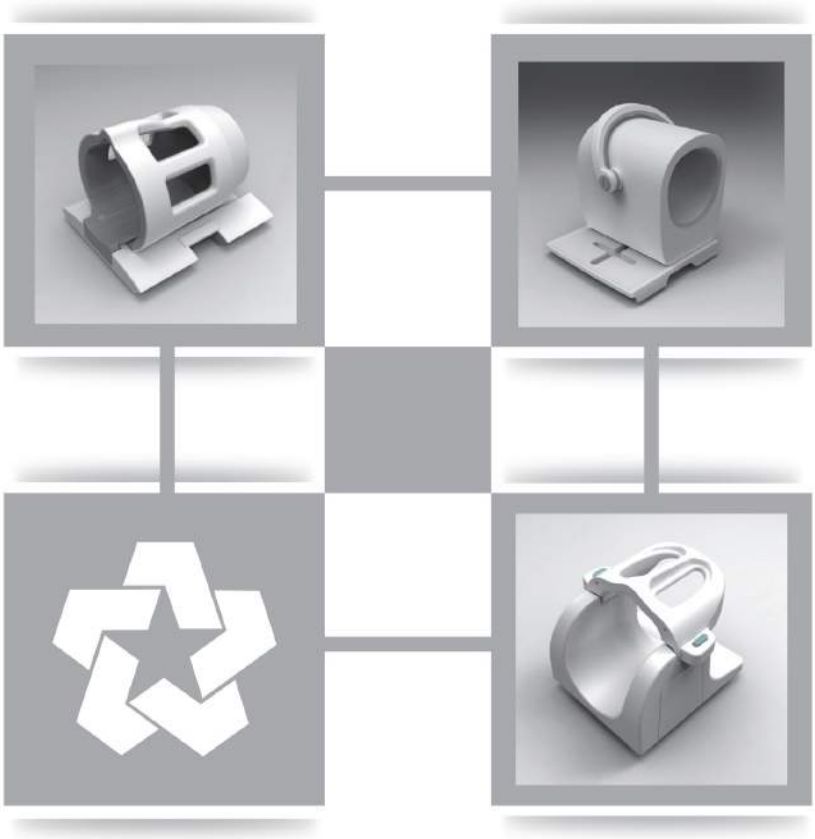
User Convenience

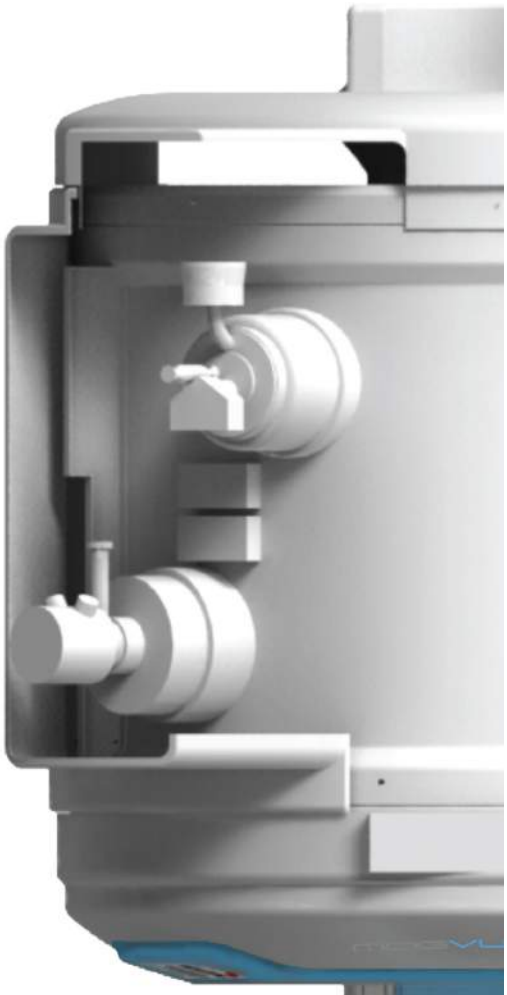
- Remote coil identification
- Automatic table movement
- Remote patient handling

Solid Investment

Prepared for Future Technology
- Digital spectrometer
- Powerful gradient system
- Upgradable computer platform
- Combined research packages







Major Subsystem

Magnet

- Length : 1.4m Weight : 4100kg
- 5 Gauss Line : 4.0X2.5m
- Liquid Helium Consumption : Zero or < 0.065 liters/hr
- Homogeneity : ≤1.0ppm@40cm DSV

Gradient System

- Peak Strength : Max. 35 mT/m
- Slew Rate : Max. 150 mT/m/ms
- Design : Self Shielded

RF System

- Peak Power : 18 kW
- Receive Path : 8/16 channels
- Receiver Bandwidth : 1 MHz
- ADC : 16bit, 20 MHz

Computer System

- CPU : 3.0GHz
- OS : Windows XP or Windows 7
- Memory : > 16GB

Standard P.A Coils (8/16CH)

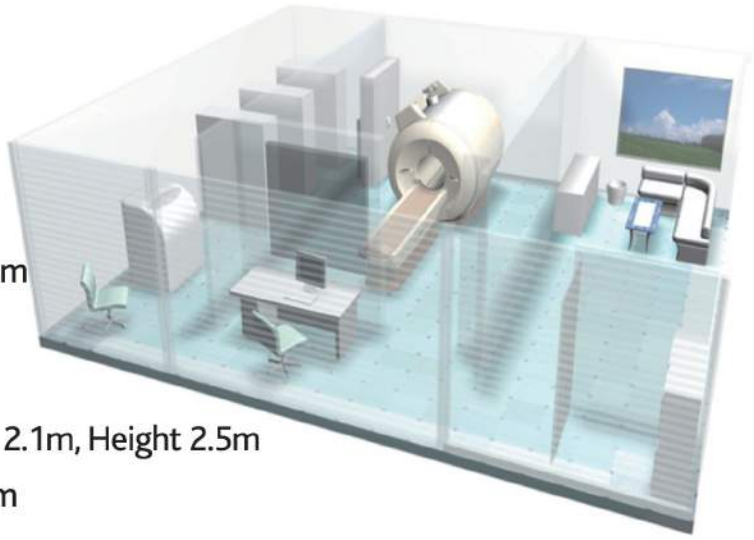
- Body, Head, Knee, L-Spine, C-Spine(Neck)
- Surface(GP), Shoulder, Wrist/Elbow
- Pelvic/Abdomen

Application Packages and Techniques

- Spine Echo
- Optimized Band Width
- Gradient Echo
- Phase Over Sampling
- Dual Spin Echo
- Rectangular Data Acquisition
- Fast Spin Echo (up to 128 ETL)
- Flow Compensation
- Fast Flair, Stir
- Magnetization Transfer Contrast
- 3D Gradient Echo, 3D Fast Gradient Echo
- 2D/3D SSFP/b-SSFP
- TONE pulse imaging
- 2D/3D TOF
- Auto Tracking Pre-saturation
- Single Shot Fast Spin Echo (up to 240 ETL)
- 2D/3D Interpolation
- SE-EPI, GE-EPI
- Half Nex/Half Echo Data Acquisition
- Single Shot, Multi Shot EPI
- Advanced Data Processing
- Diffusion Weighted EPI
- 2D/3D Post Processing (MIP)
- Fat/Water Separation
- Double Oblique, Double Angle Imaging
- Arbitrary Pre-saturation (up to 6 bands)
- Dynamic Imaging Evaluation
- Optimized Flip Angle
- Advanced Image Filter

Site Installation

1. Site condition



1-1. Installation site

1) Required site area

-Shield Room : 30m² , Height 2.9m

-Computer Room : 20m²

-Operation Room : 15m²

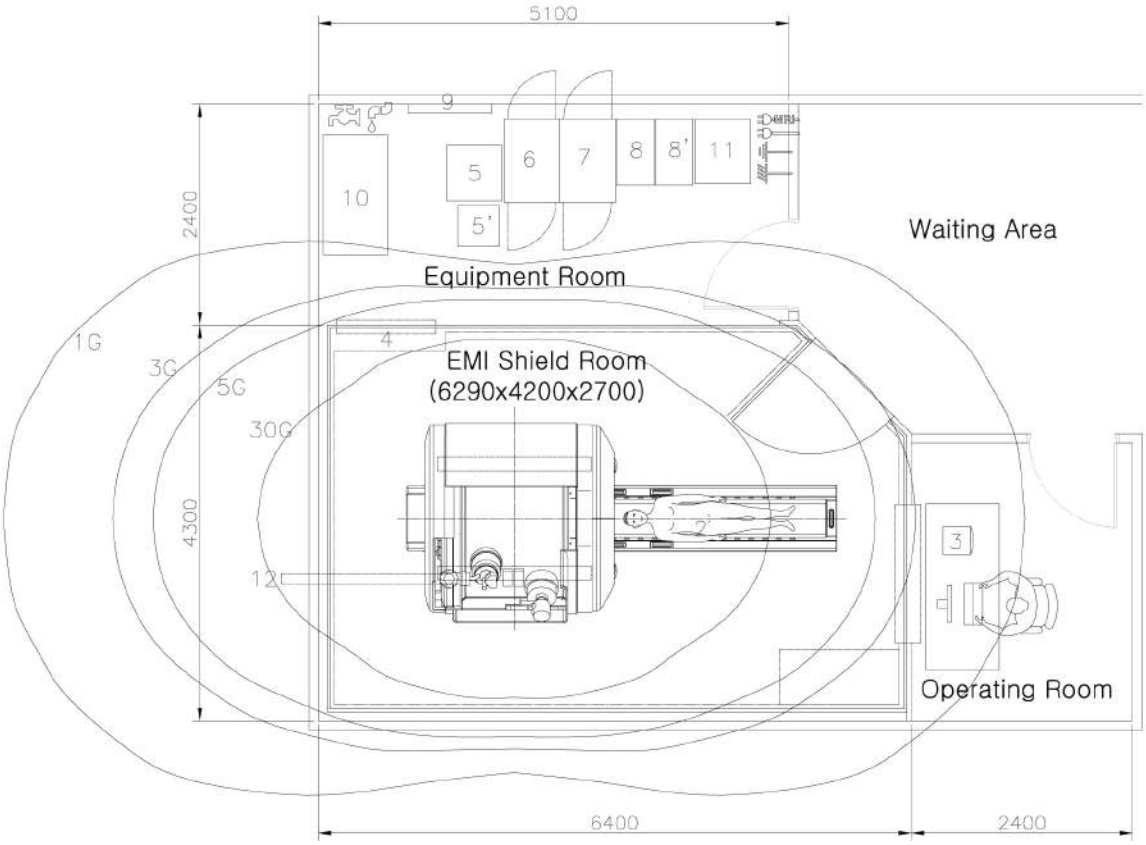
2) Carrying hole of magnet : Width 2.1m, Height 2.5m

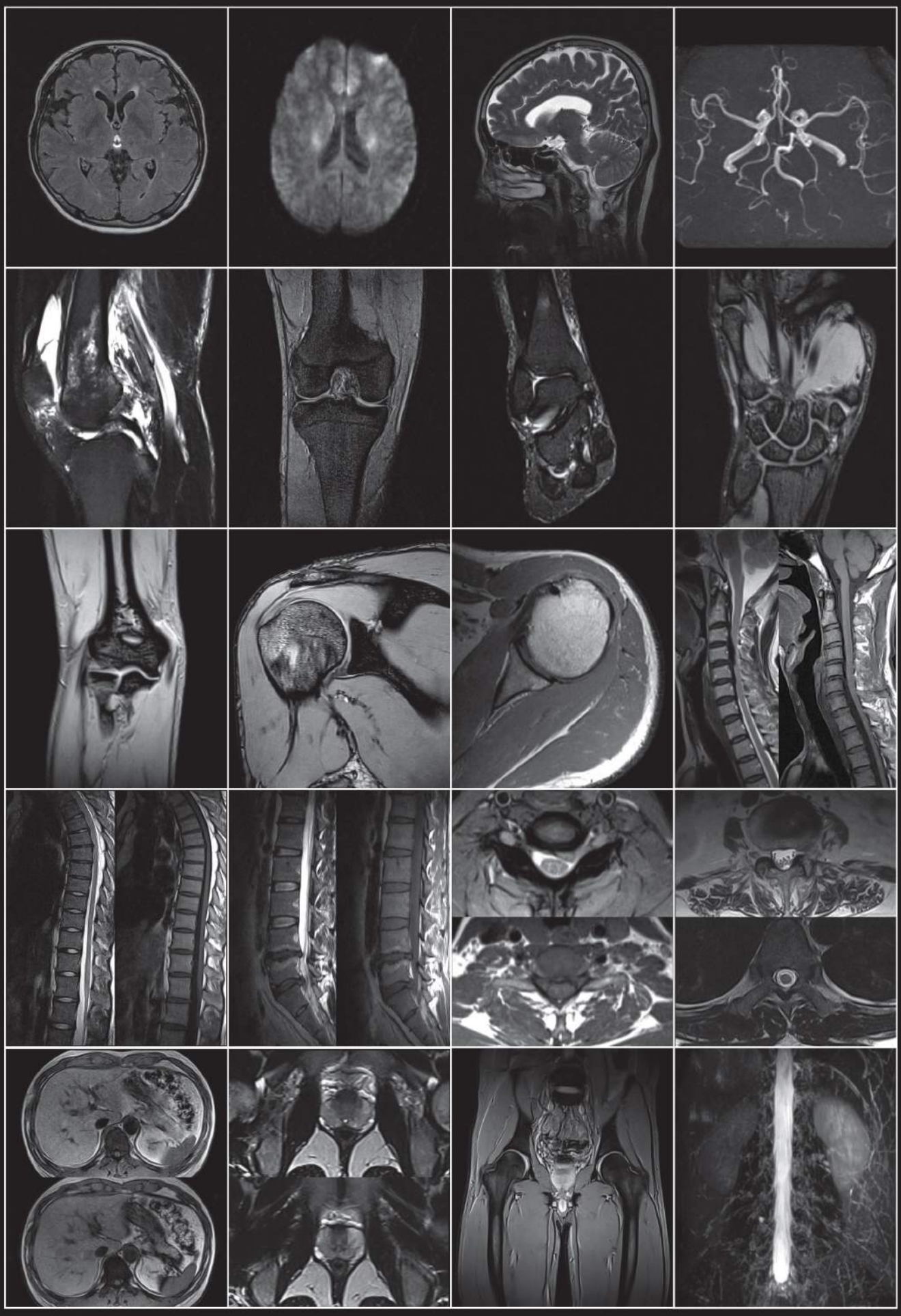
3) Pathway : Width 2m, Height 2.4m

4) Floor load : >1.25 Ton / 600 cm²

5) MRI main power : 3Phase 380V 80KVA

independent transformer (incl. Helium cooling device power).





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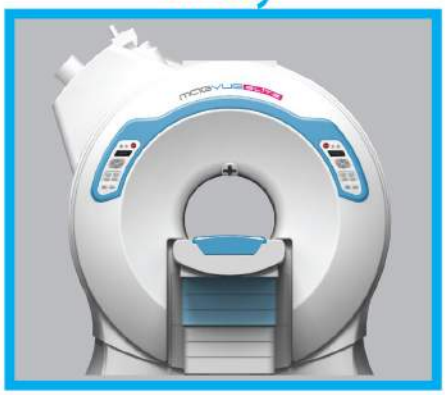
X-ray



MAGVUE ELITE 1.5T

MAGVUE 0.33T

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