



## NEUSOFT MEDICAL SYSTEMS

### OPEN MRI SYSTEM **Superstar 0.35T**



#### **Neusoft Medical Systems**

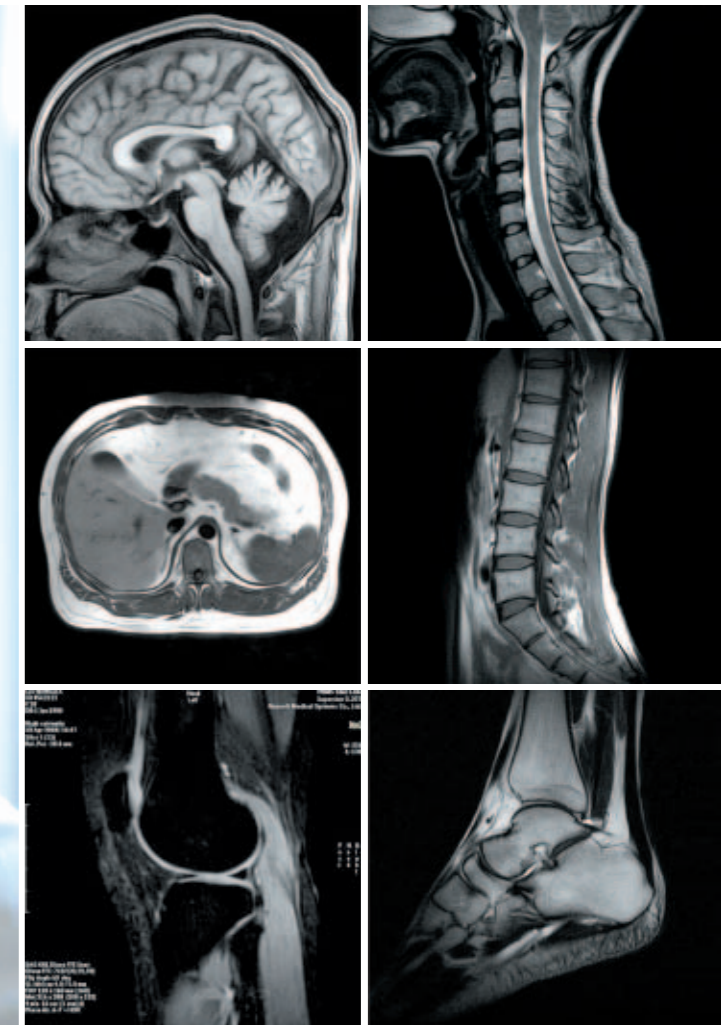
Neusoft Park, Hun Nan Industrial Area, New & High-Tech  
Development Zone Shenyang 110179, P.R.China  
Tel: (86 24) 8366 7009 Fax: (86 24) 2378 2797  
E-mail: [neumedical@neusoft.com](mailto:neumedical@neusoft.com)  
[medical.neusoft.com/en](http://medical.neusoft.com/en)

Superstar0.35T/09.03

**Neusoft**<sup>®</sup>



Image is  
Everything



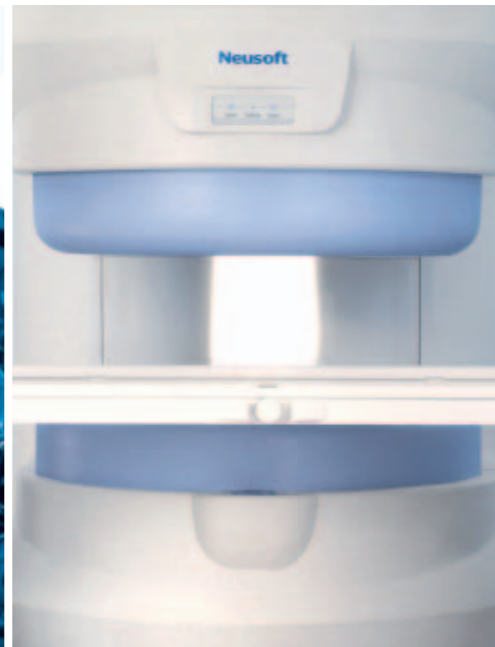
Leveraging 10+ years of  
Permanent Magnet Experience

## Open MRI Horizon Expanded



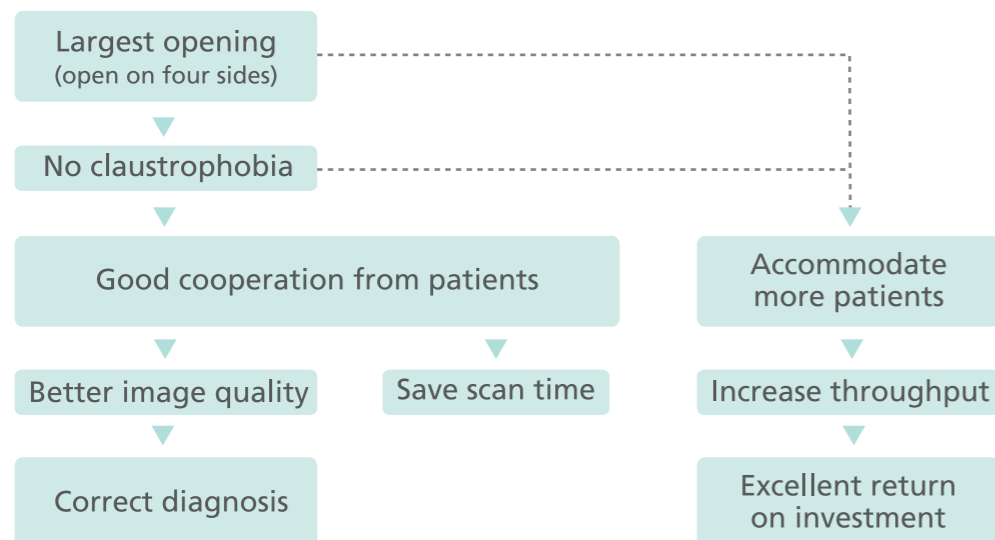
- Largest magnet opening ideal for all patients
- Strong and stable performance
- High-field technologies and competence
- Prompt Neusoft network support
- Phased array platform
- High return on investment
- Comprehensive workflow
- Considerate care to all





### Permanent Open Magnet

- Largest opening: open on four sides
- Maximum patient comfort and acceptance
- New & unique technologies produce high homogeneity and stable magnetic field
- Eddy current free and least remanence



### Powerful Gradient System

- High field technology  
Gradient field strength: 26mT/m  
Slew Rate: 67mT/m/ms
- Noise reduction technology
- Unique water cooling technology

### Higher Computer Configuration

- Higher reconstruction speed
- Larger storage capacity
- Powerful and stable performance

### Multi-Channel RF System

- Highest output power in its category: 6kw
- Phased array receiving coils
- 4 independent RF channels

## Phased Array Multi-Channel Receiving Coils



## Comprehensive Workflow Improvement

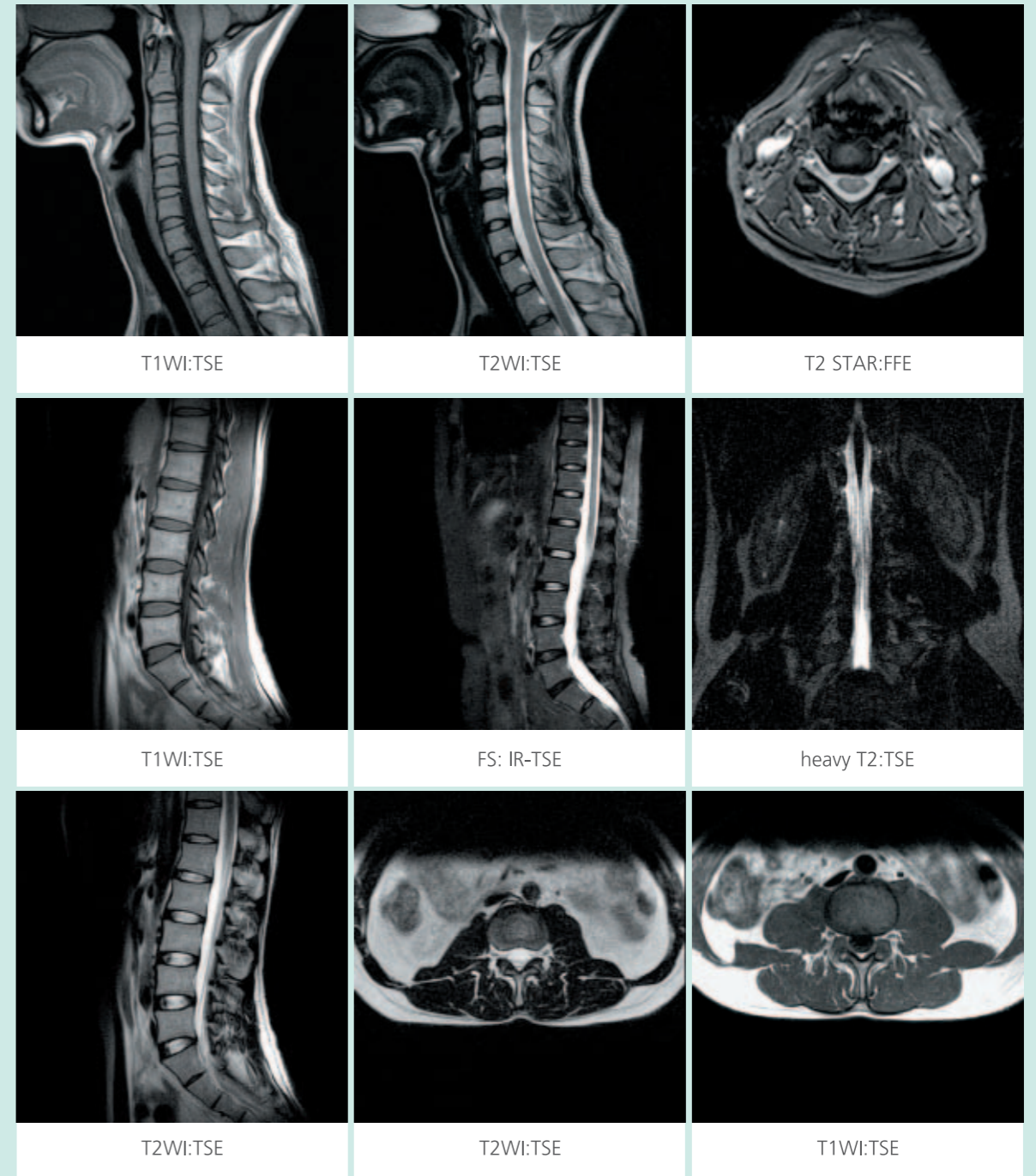
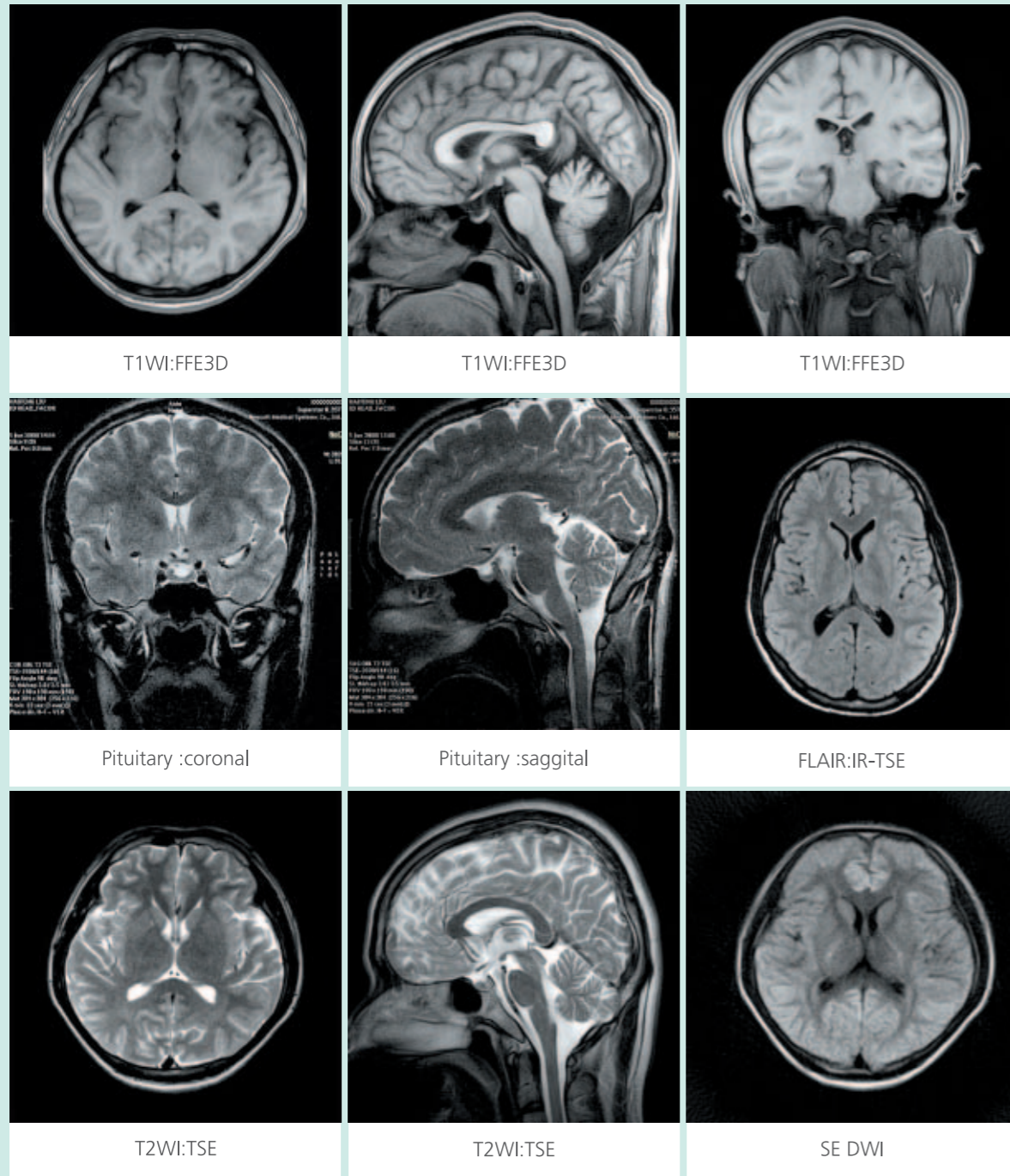
- Dedicated scan packages for different body parts and various patients
- Abundant application functions for diagnostic requirements
- Unique scan-card design and default protocols making daily operation easier and faster
- Capability for radiologists to establish local protocols for acquiring desired images

## Unique Sequence Technology

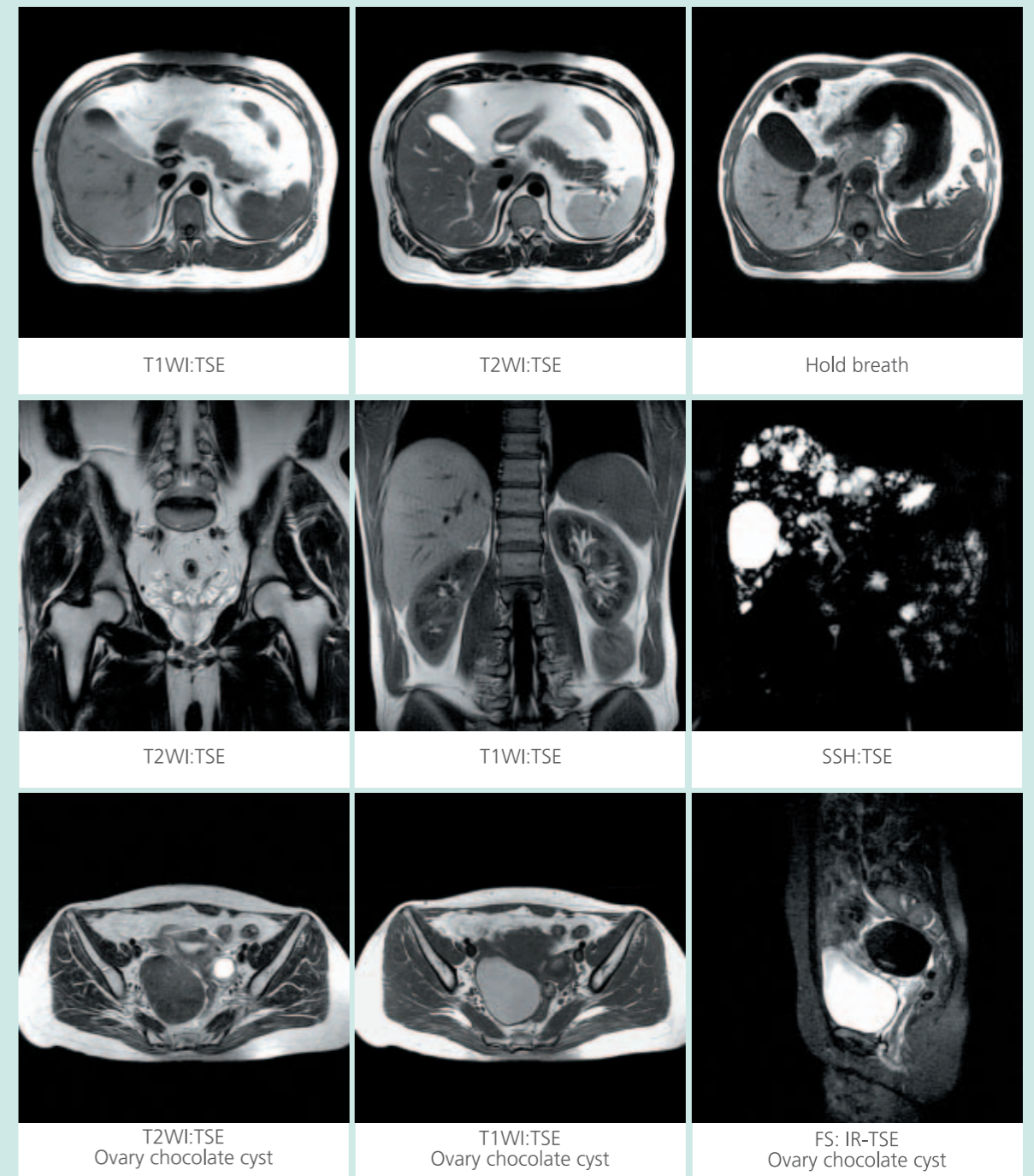
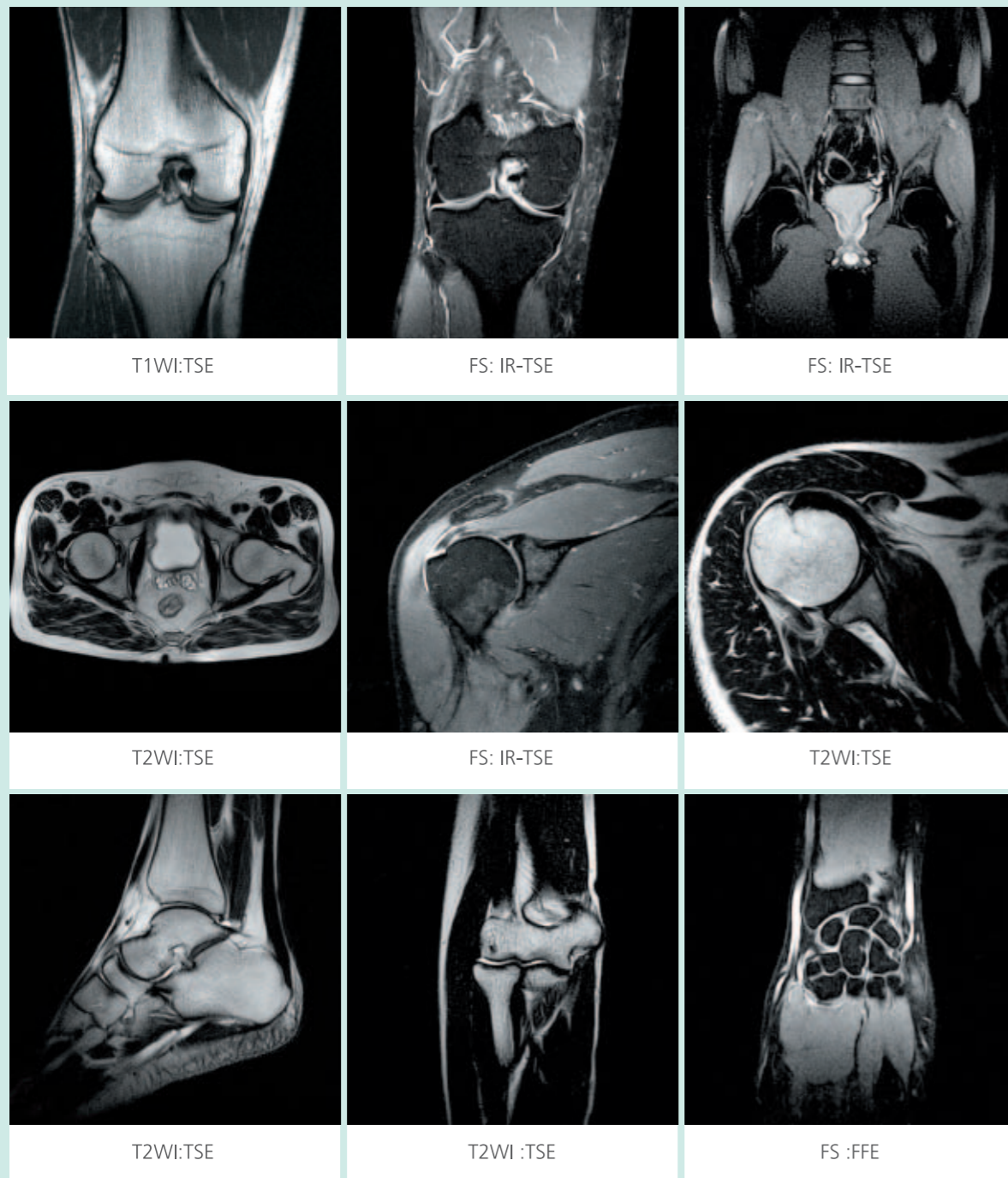
- SIMEX; SLINKY; BATCH; KEYHOLE
- REST; GATE
- DRIVE; Balanced FFE
- Inbuilt artifact reduction technology
- Advanced acquisition and reconstruction technology



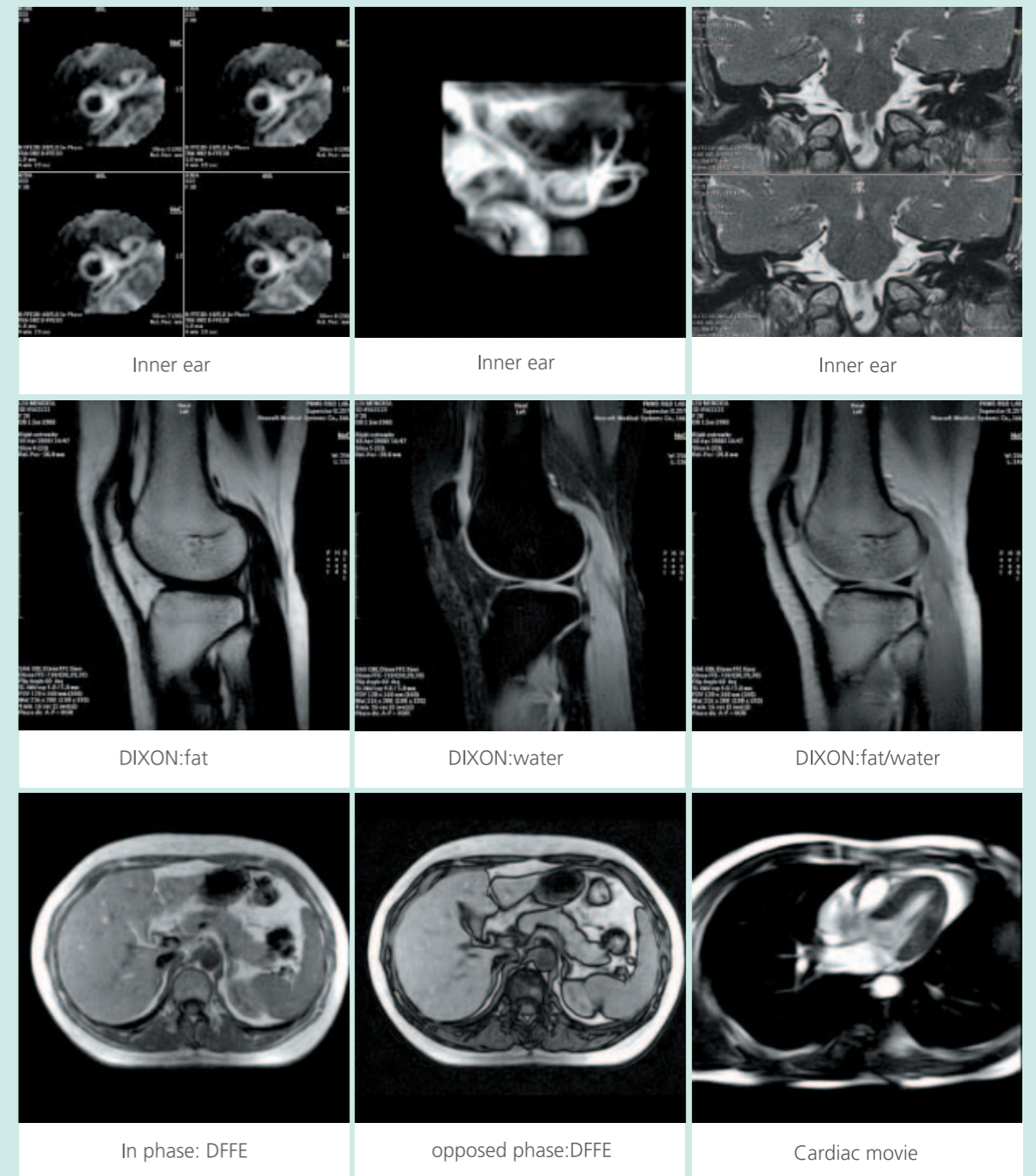
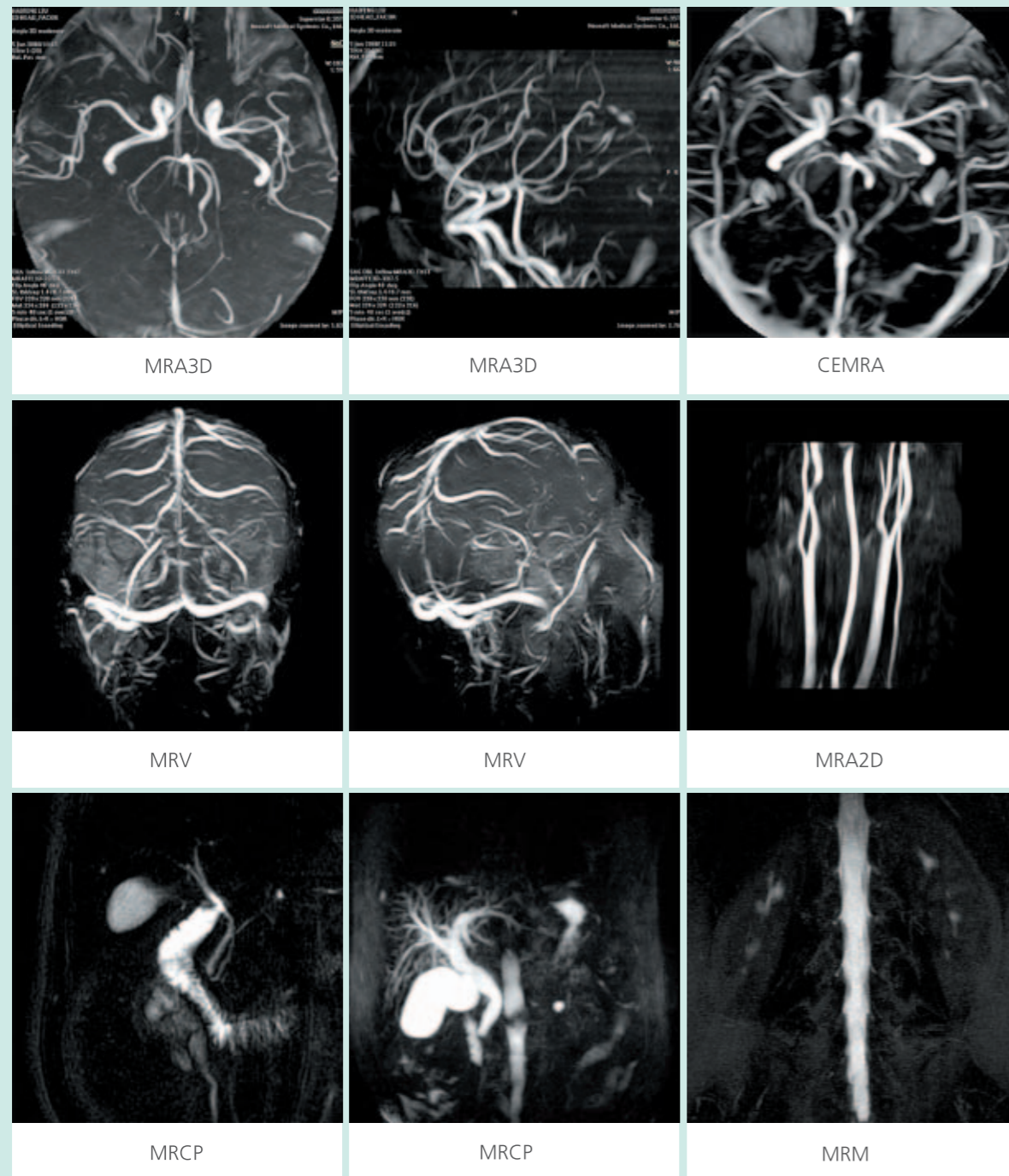
# A Wealth of Experience in Clinical Applications



## A Wealth of Experience in Clinical Applications



# A Wealth of Experience in Clinical Applications





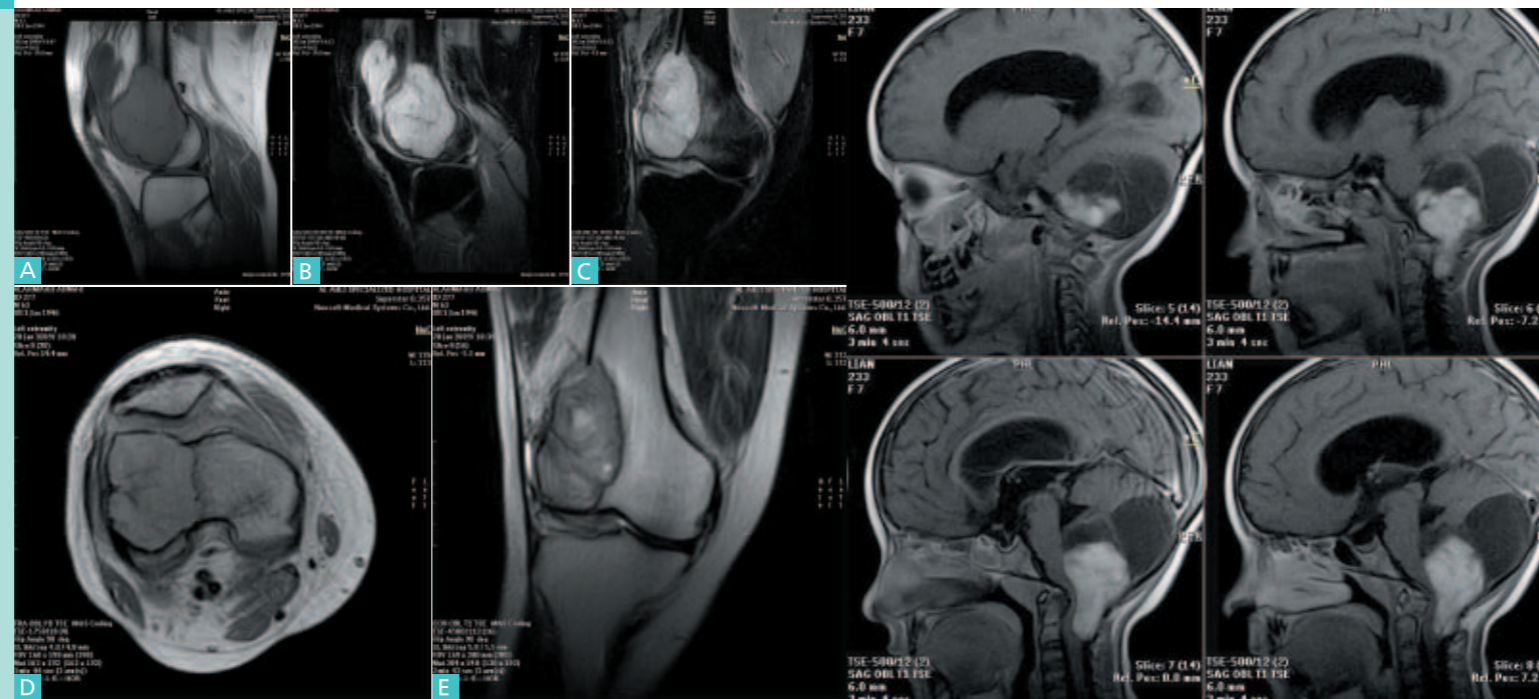
# Case Study

Helping doctors perform fast, accurate diagnosis

## Giant cell tumor

A 63 years old man has an acute pain in his left leg.

MRI revealed an irregular shape mass with well-defined border in the lateral side of distal end of left femur, T1WI is middle low signal intensity and T2WI is slightly high signal intensity, and more hypo-intensity dots can be seen inside the mass. PD is middle signal. IRTSE is high signal intensity, around the mass there is slightly edema.

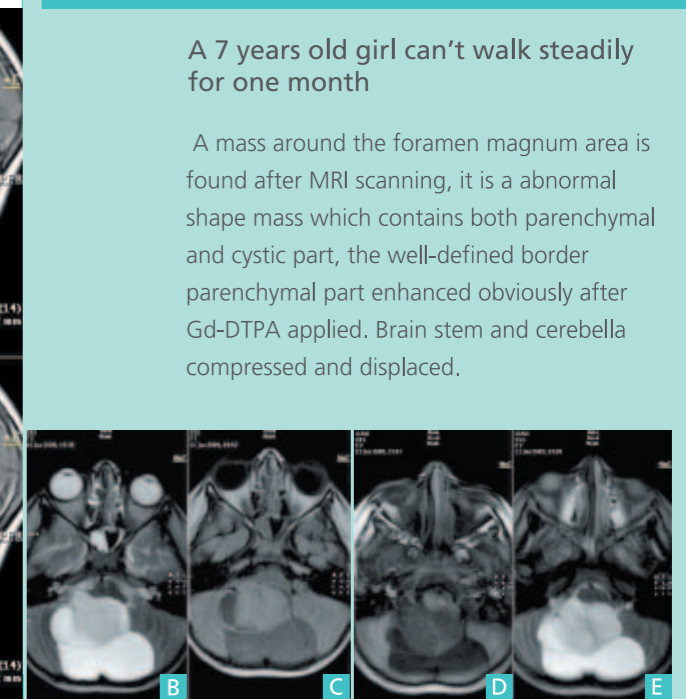


A:T1WI:TSE B/C:IRTSE D:PD E:T2WI:TSE

## Neurogenic tumor of foramen magnum

A 7 years old girl can't walk steadily for one month

A mass around the foramen magnum area is found after MRI scanning, it is a abnormal shape mass which contains both parenchymal and cystic part, the well-defined border parenchymal part enhanced obviously after Gd-DTPA applied. Brain stem and cerebella compressed and displaced.

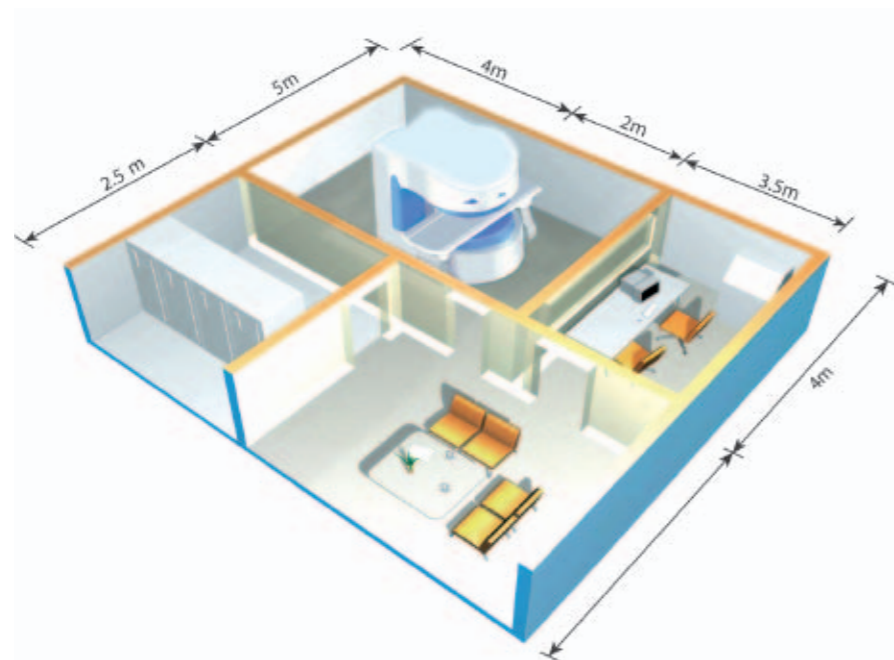


A:Contrast T1WI:TSE B/E:T2WI:TSE C/D:FFE3D

## Installation Requirements

Scan Room	
Temperature	20-26°C or 68-79°F
Relative Humidity	20%-60% (Non-condensing)
Rf shielding Facility	Attenuation>100db In 1MHz-100MHz
Typical Net Space	6M(L)×5M(W)×3M(H) or 20ft(L)×15ft(W)×10ft(H)
Floor Loading Capacity	20,000Kg or 44,000lb
Equipment Room	
Temperature	20-26°C or 68-79°F
Relative Humidity	20%-80% (Non-condensing)
Typical Net Space	4M(L)×2.5M(W)×3M(H) or 13ft(L)×8ft(W)×10ft(H)
Operating Room	
Temperature	20-26°C or 68-79°F
Relative Humidity	20%-80% (Non-condensing)
Typical Net Space	3.5M(L)×4M(W)×3M(H) or 11ft(L)×14ft(W)×10ft(H)
Mains Power Supply	
Type	3-Phase protective earth
Capacity	15KVA
Frequency	50Hz/60Hz
Voltage	480V/415V/380V
Voltage Variation	≤±10%
Grounding	Grounding resistance<1Ω and exclusive for MRI

## Typical Layout



## Comprehensive and Prompt After-Sales Service

- Professional site design, installation, testing and maintenance provided by Neusoft experienced engineers
- On-site operation training and clinical application training
- Periodic visits from Neusoft factory-trained MR field engineers
- Remote online technical and application support
- Neusoft Parts depot stocks spare parts for local support

## High Return on Investment -- A Partner of Your Business

- Stronger and stable performance
- Higher patient volume resulting from higher scanning speed
- Less investment compared with high-field MRI
- Lower running and maintenance cost



Neusoft Medical Systems reserves the right to make change in design and specification of this product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication. Technical characteristics, descriptions and drawings as provided in this publication are for guide purpose only and do not represent a commitment on behalf of Neusoft Medical Systems.