→ Medical Products & e-Hospital Solutions

Superstar 0.35T
MRI System

Neusoft
Beyond Technology

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Superstar0.35T/A 03.08

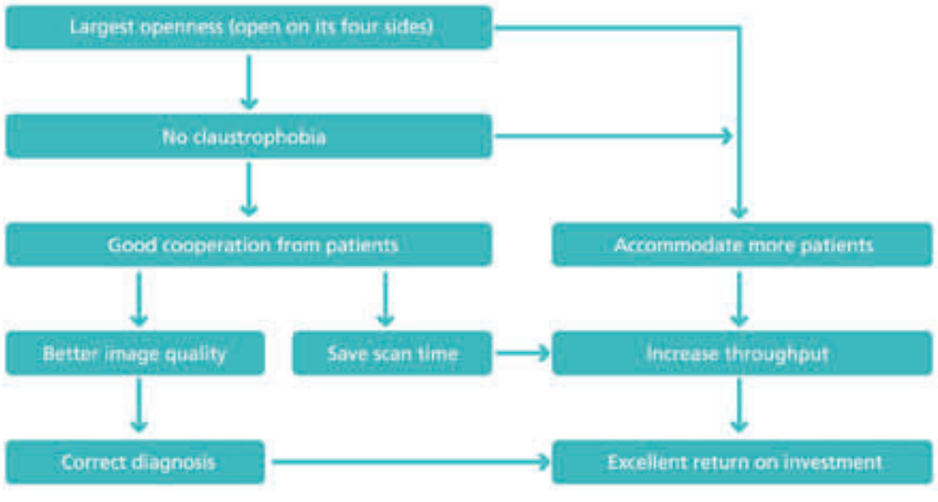
Superstar 0.35T
MRI System

- Largest magnet openness--ideal for all patients
- Strong and stable performance
- High-field technologies
- Prompt Neusoft network support
- Phase array platform
- Excellent return on investment
- Comprehensive scan packages
- Considerate care to all

Superstar 0.35T
MRI System

Open Magnet

Largest openness:open on its four sides
New&unique technologies produce high homogeneity and stable magnetic field
Eddy current free and lest remanence



Powerful Gradient System

- Gradient field strength: 26mT/m
- Noise reduction technology

Higher Computer Configuration

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

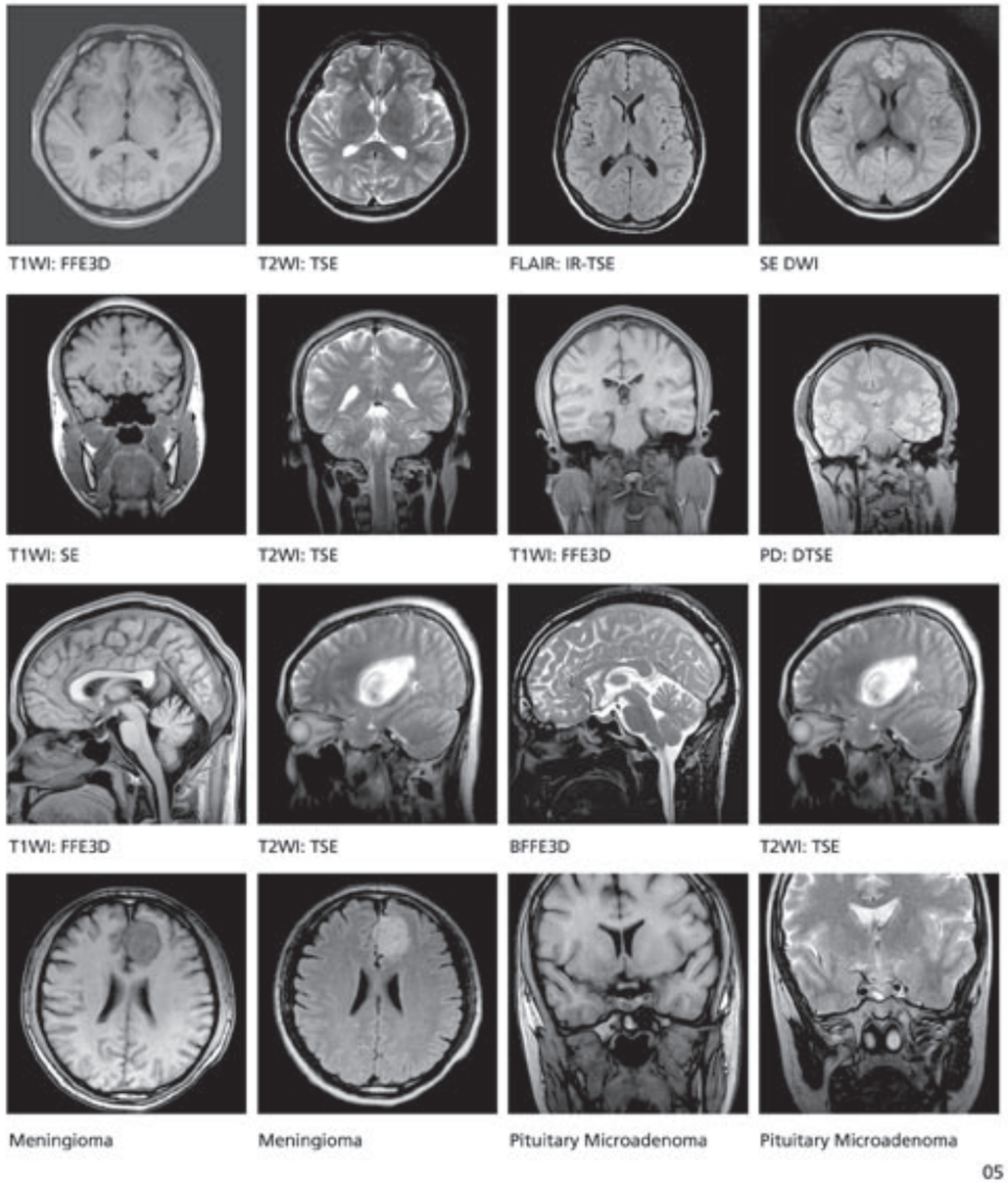
Stronger RF System

- Highest output power in low-field MRI systems: 6kw
- Phase Array platform

Phase Array Multi-Channel Receiving Coils

Comprehensive Scan Packages

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



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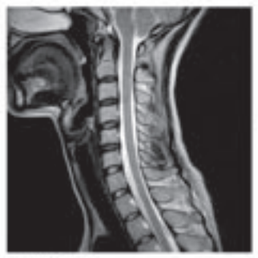
MRI System

T1WI: TSE



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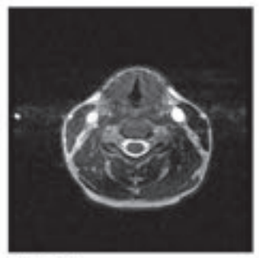
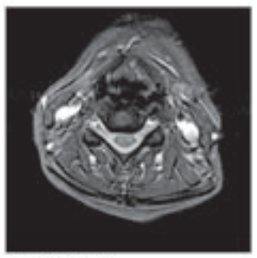
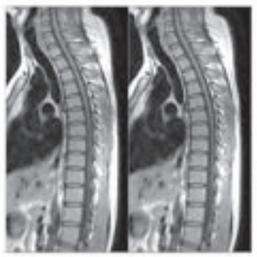


BFFE3D



T2 STAR: FFE



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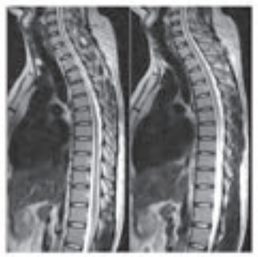
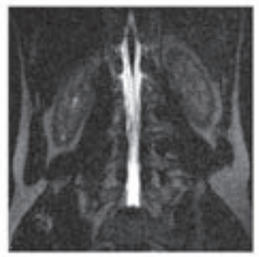
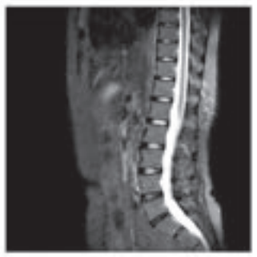


T2WI: TSE

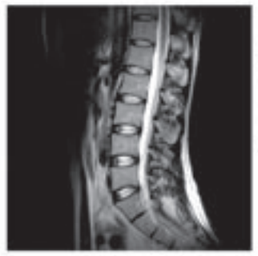


Heavy T2: TSE



FS: IR-TSE

T1WI: TSE



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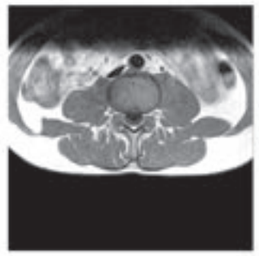

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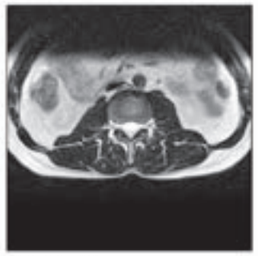

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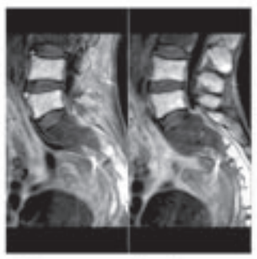
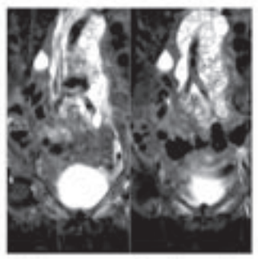
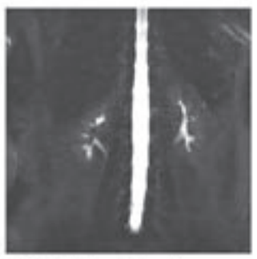


Rectum cancer Lumbar metastasis



Rectum cancer lymph node metastasis

Compressed fracture



SSH TSE: Scan time 4s

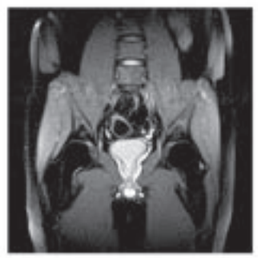
T1WI: TSE

T1WI: TSE

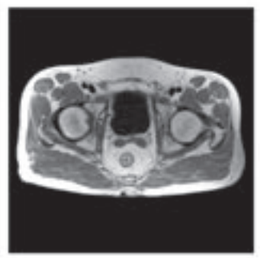
T2 STAR: FFE

FS: IR-TSE

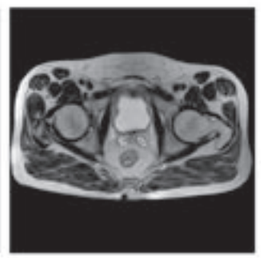
T1WI: TSE



FS: IR-TSE



T1WI: TSE



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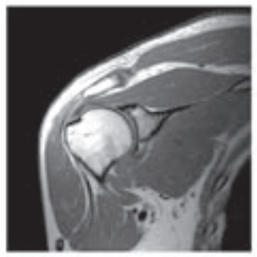

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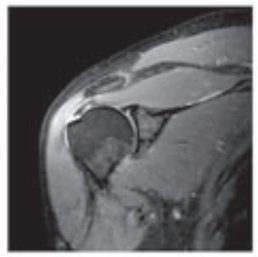

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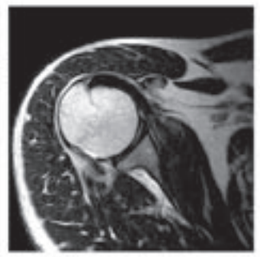
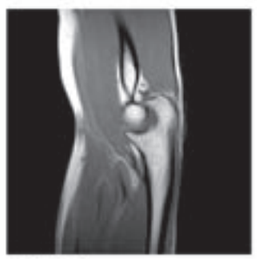


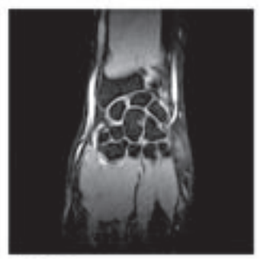
T2WI: TSE

T2WI: TSE

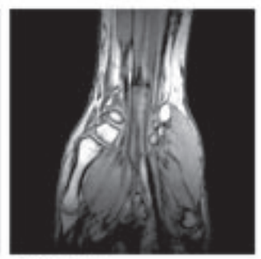


T1WI: TSE

T2WI: TSE



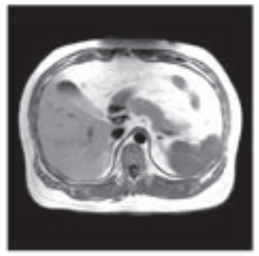
FS: FFE



T1WI: FFE3D

Superstar 0.35T

MRI System



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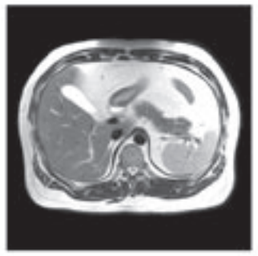
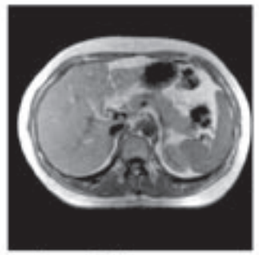
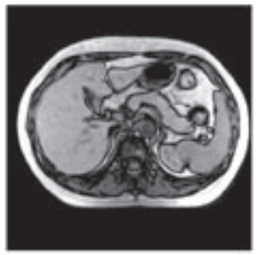


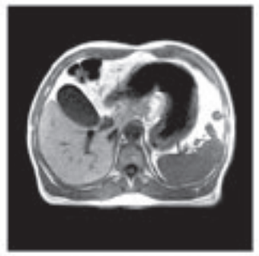
T2WI: TSE



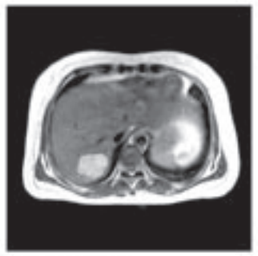
In phase: DFFE
Scan time: 20s/12slice



opposed phase: DFFE
Scan time: 20s/12slice

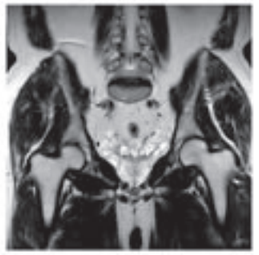


Hold breath Scan time:
15s/7 slice

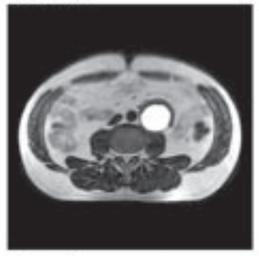


hemangioma

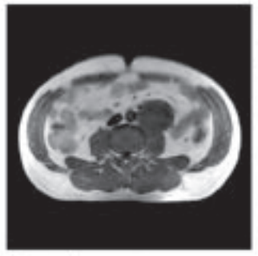
SSH TSE ST: 4s
liver mutiple cyst



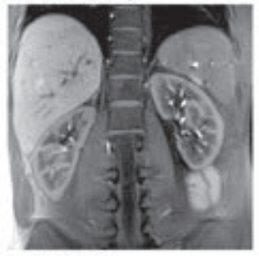
T2WI: TSE



Postperitoneum tumor

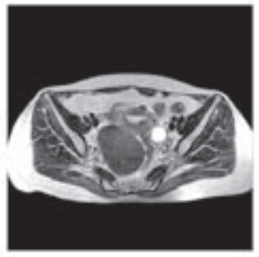


Postperitoneum tumor

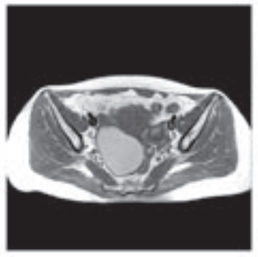


T1WI FS: TSE

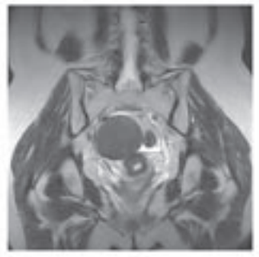
T1WI: TSE



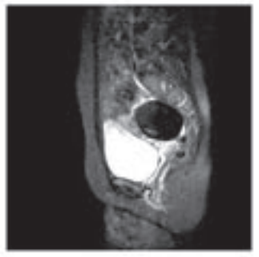
T2WI: TSE
Ovary chocolate cyst



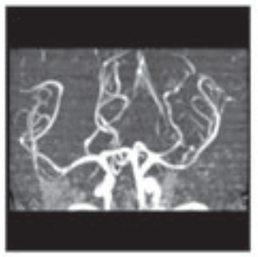
T1WI: TSE
Ovary chocolate cyst



T2WI: TSE
Ovary chocolate cyst



FS: IR-TSE
Ovary chocolate cyst



MRA: FFE3D

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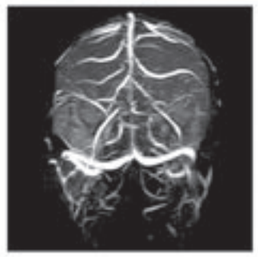
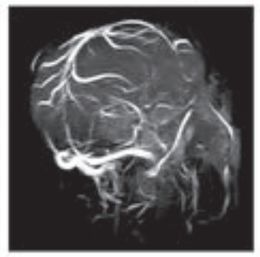
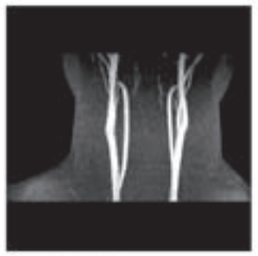


MRV: FFE3D



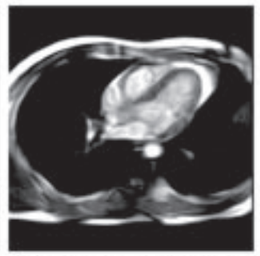
MRV: FFE3D

MRA: FFE2D



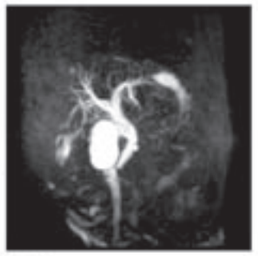
MRA: FFE2D

Cardiac movie systolic phase

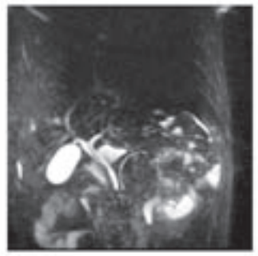


Cardiac movie diastolic phase

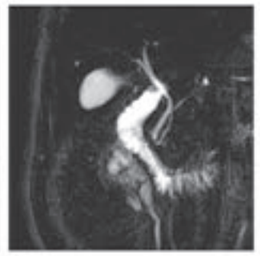
MRCP



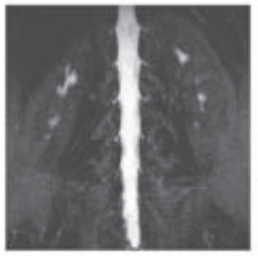
MRCP



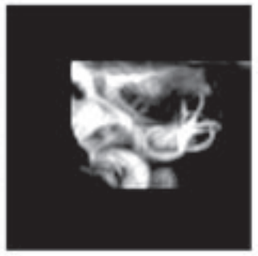
MRCP



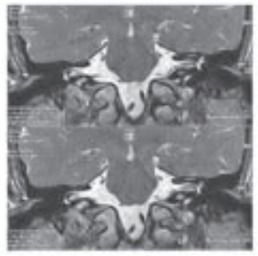
MRCP



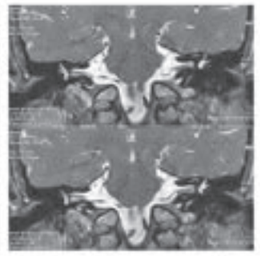
MRM



Inner ear



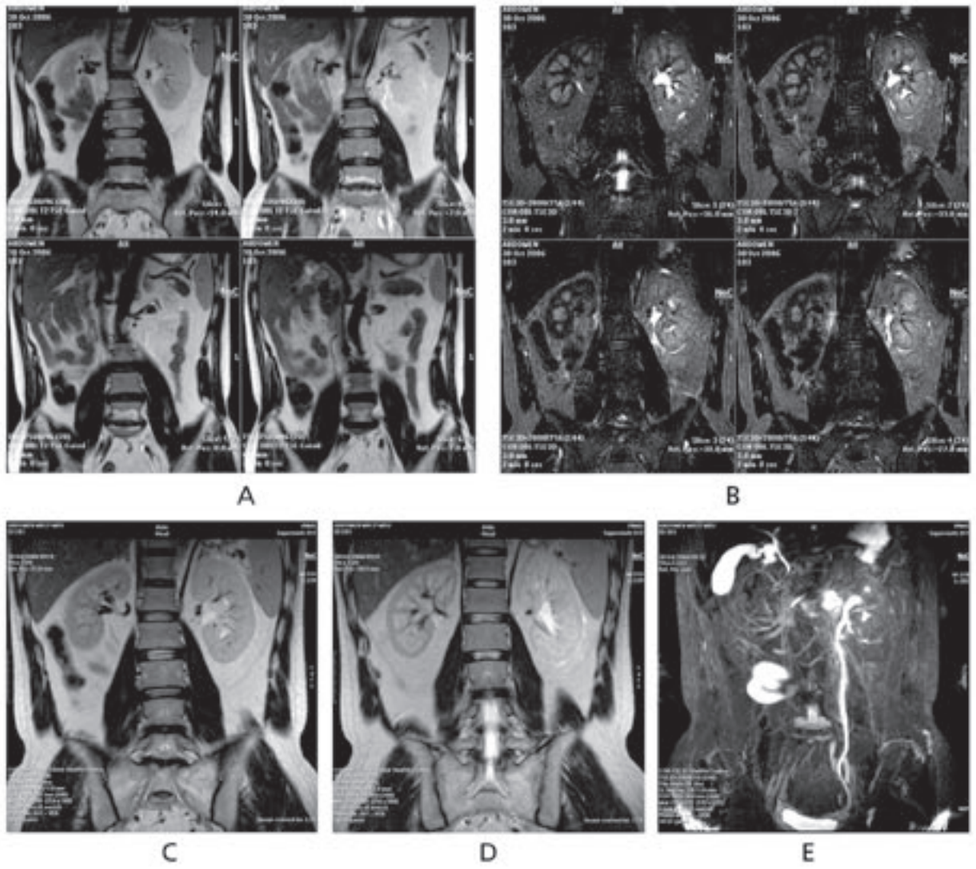
Inner ear



Inner ear

Case Study

Left hydronephrosis and hydroureter with respiratory gating



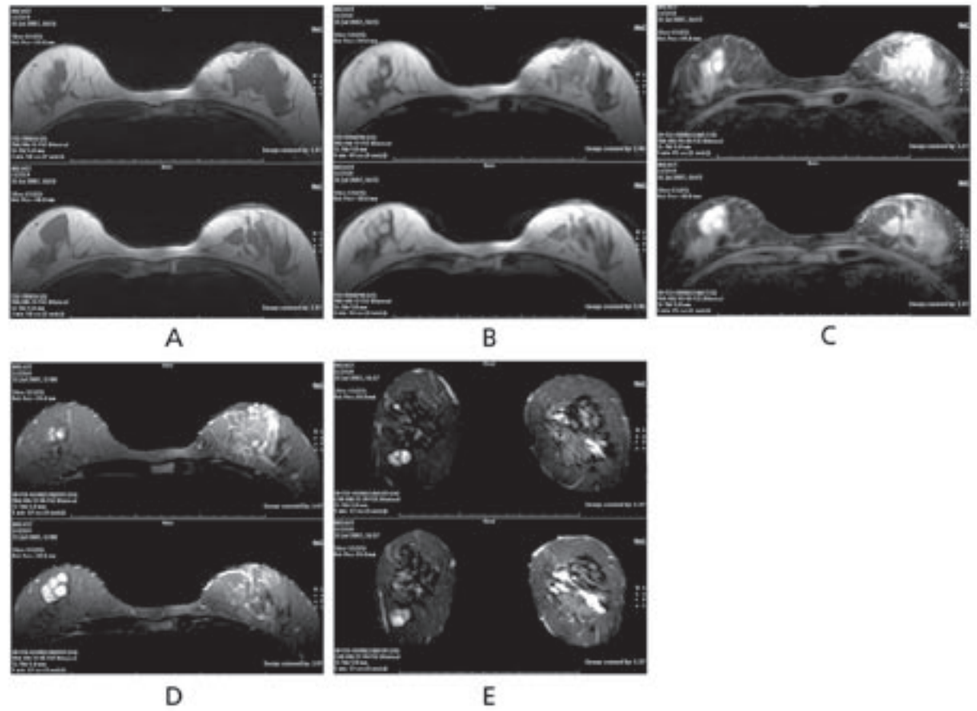
A/C/D: T2WI TSE B: TSE 3D, heavy T2WI E: MRU .

A 51 years old male has an acute abdominal pain. MRI reveal left hydronephrosis and hydroureter .Obstruction point locate near bladder, after MRI scanning the patient do the CT scanning focus on the area near bladder, and find a small stone. So avoid a large range CT scanning and IVP. With respiratory gating the respiratory artifact nearly disappear .The tiny anatomy structure demonstrated clearly. On T2WI coronal images signal intensity of left kidney is higher than right one. The cortex and medulla of left kidney can't differentiate clearly, but for the right one is easy.

Breast cancer and adenoma

A: TRA -T1WI: TSE=700/16 ; B: TRA –T2WI: TSE=4000/90; C : TRA –PD Fat suppression IR-TSE =2800/17; D: TRA –T2 Fat suppression IR-TSE =6500/105; E : COR –T2 Fat suppression IR-TSE=6500/105 .

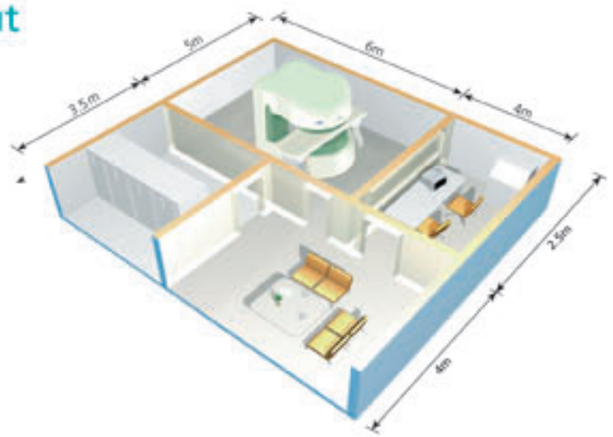
A 40 years old female found breast mass 1 year. MRI reveal breast cancer (left side) and multiple adenoma (right side). The breast-coil (option) can be used for both side imaging. The slice thickness is 4mm, slice gap is 1mm.



Installation requirements

Scan Room	
Temperature	20--26℃ or 68--79℉
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℃ or 68--79℉
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℃ or 68--79℉
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<1 Ω 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 engineer training
Remote on-line technical and application support
Sufficient spare parts for local service support

Excellent Return on Investment

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

- The appearance and specifications are subject to change without prior notice.
- The content in this brochure is based upon typical sites and may vary based on site conditions.