

## NEUSOFT MEDICAL SYSTEMS



### Neusoft Medical Systems

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### MRI SYSTEM NAM-P023A (HQ)

## MRI SYSTEM NAM-P023A (HQ)

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- Reliability of a 0.23 Tesla C-type Permanent Magnet
- Large magnet openness
- Requires minimal floor space, 5 GS line 2m
- Exceptional performance-to-price ratio
- Excellent return on investment
  
- Standard with MRA, MRCP, DIXON ,EPI, respiratory gating, rect FOV, and much, much more
- Multi-channel, phase array coil technology
- Simplified user interface for quick patient set-up
- Maximum patient throughput





### Open Magnet

NAM-P023A (HQ) is permanent magnet so no cryogenics and no complicated cooling system are required. Eddy current free and least remanence

### Powerful and patient friendly Gradient System

Slew rate 47mT/m/ms with extremely low scanning noise. It's not unusual for patients using the Neusoft NAM-P023A (HQ) MRI to report falling asleep during their procedure .

### Strong RF system

Output power: 6 KW  
 Phase array platform

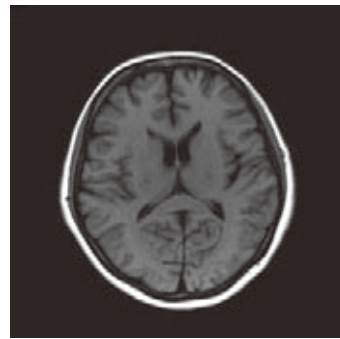
### Phase array multi-channel receiving coils

Embedded preamplifiers in each receiving coil  
 SNR of phase array coil can be improved by about 100% than QD coil.

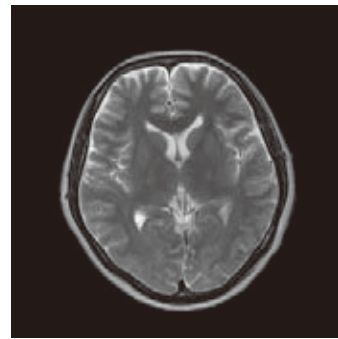
### Phase Array Multi-Channel Receiving Coils



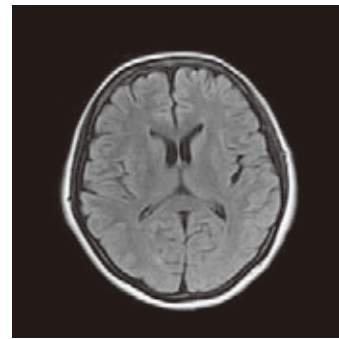
**Brain**



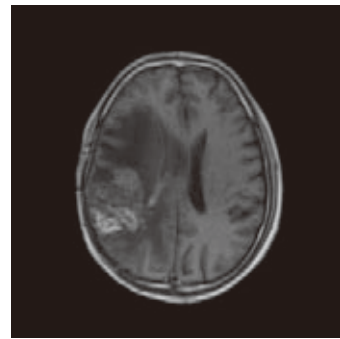
T1WI: SE



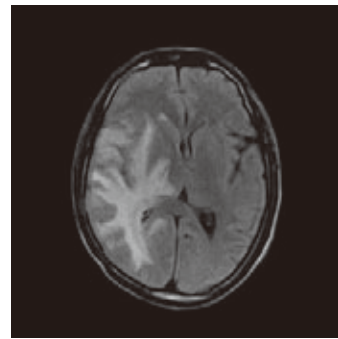
T2WI: TSE



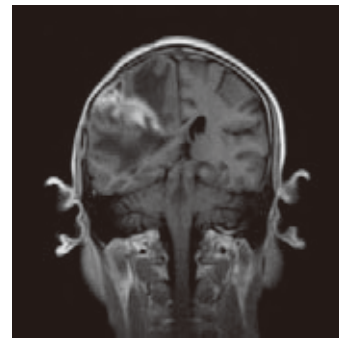
FLAIR: IR-TSE



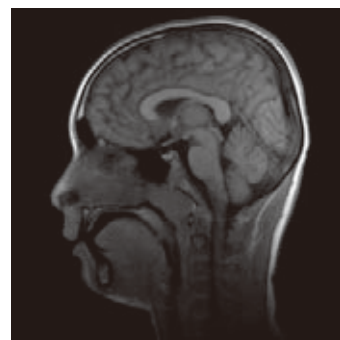
T1WI C+: SE



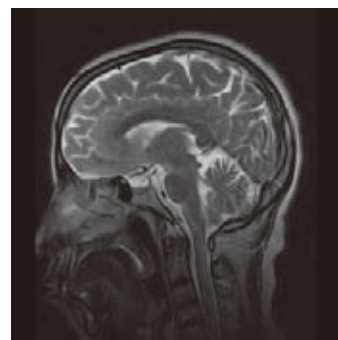
FLAIR: IR-TSE



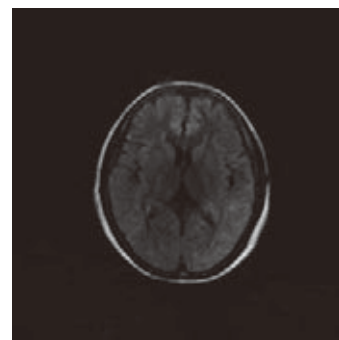
T1WI C+: SE



T1WI: SE

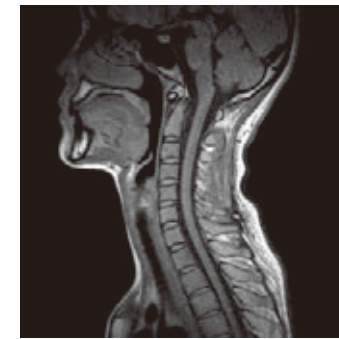


T2WI: TSE

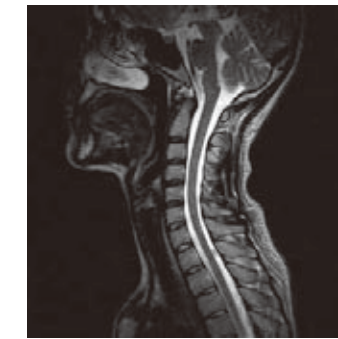


SEDWI

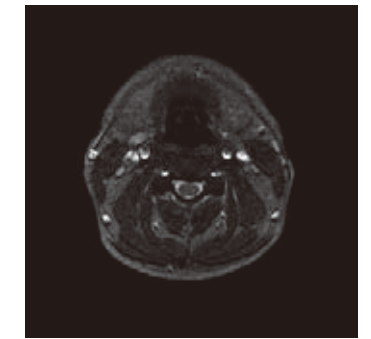
**Spine**



T1WI: TSE



T2WI: TSE



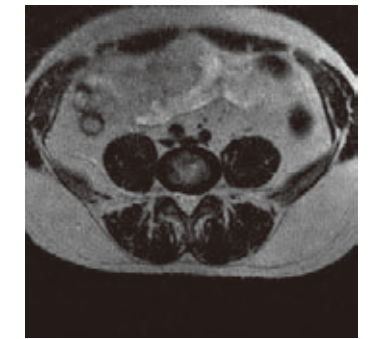
T2\*WI: FFE2D



T1WI: TSE



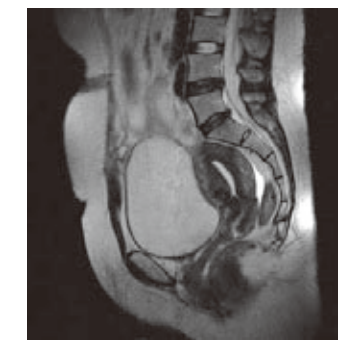
T2WI: TSE



T2WI: TSE



T1WI: TSE



T2WI: TSE



IR-TSE

**Extremities**



T1WI: TSE



T2WI: TSE



PDWI: TSE



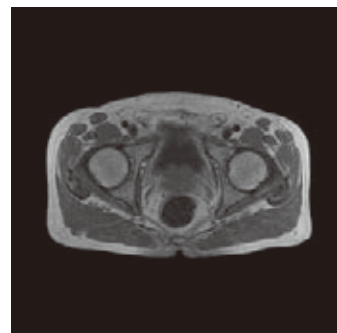
T2WI: TSE



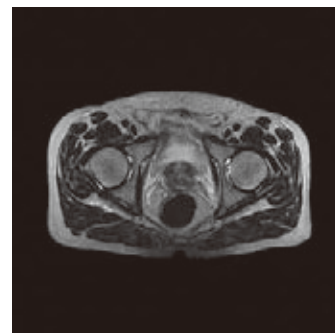
T1WI: TSE



IR-TSE



T1WI: TSE

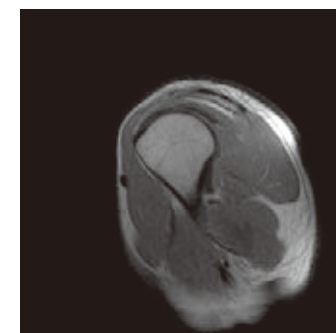


T2WI: TSE

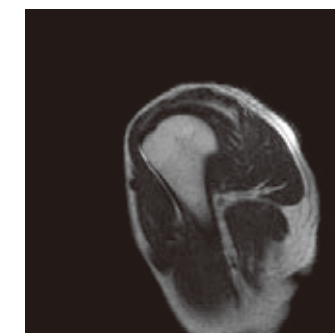


T1WI: TSE

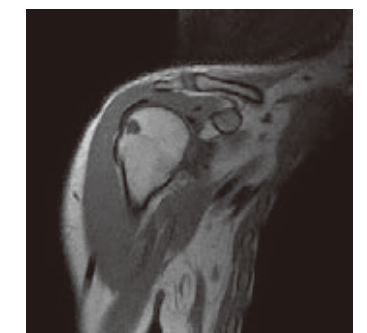
**Abdomen and others**



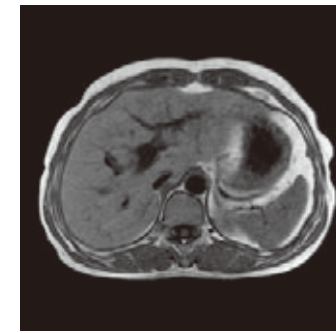
PD



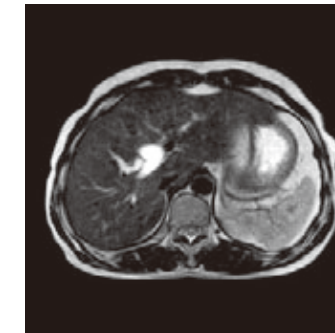
T2WI: TSE



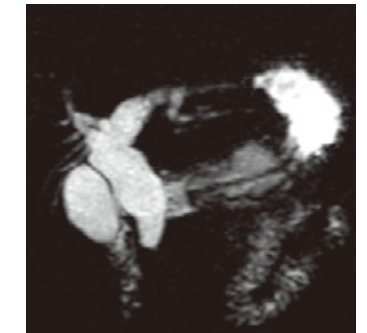
T1WI: TSE



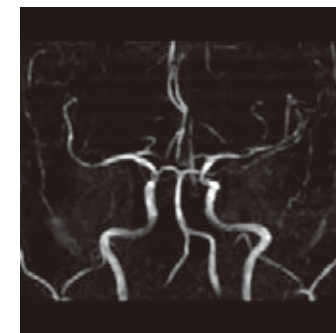
T1WI: TSE



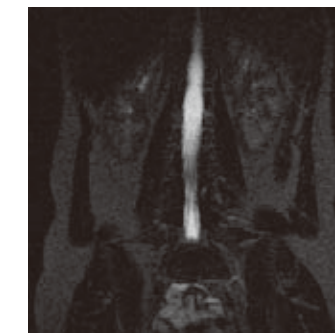
T2WI: TSE



MRCP: scan time 4s



MRA3D



MRM



MRCP

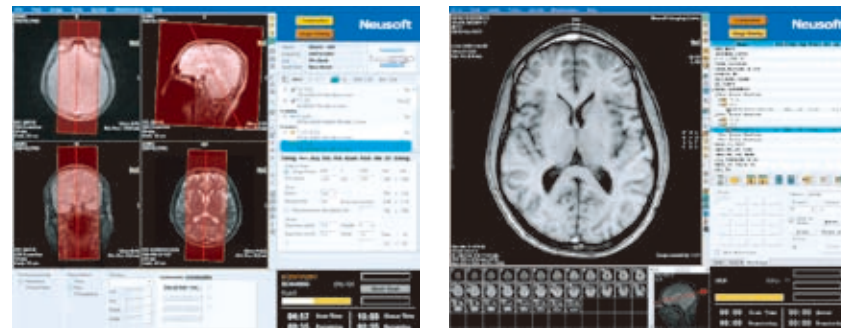
## MRI SYSTEM NAM-P023A (HQ)

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### High computer configuration

- HP XW8400 XP workstation
- Based on Windows XP
- Fast Recon Speed: 500 images/sec
- Higher configuration:
  - main memory:3G
  - hard disc: 160G
- Parallel processing:
  - acquisition, reconstruction, reviewing and post-processing simultaneously



### Advanced Acquisition Techniques

- Dynamic Imaging
- Contrast Dynamic Imaging
- Flow Compensation
- Limited Bandwidth, Optimized Bandwidth, Enhanced Data Acquisition (ODA)
- Respiratory Gating and Cardiac Gating
- Half scan
- Partial echo
- Batch imaging
- Enhanced CODA
- MTC (magnetic transfer contrast)
- IR preparation (selective and non-selective)
- Elliptical Encoding
- CENTRA (Contrast-Enhanced Timing Robust Angiography)
- Phase Encoding Grouping
- Key-hole Imaging

### Patient Couch - most comfortable for patients

- Detachable from magnet
- Truly open design: wider and flatter couch
- Maximum patient load: 200 Kg
- Easier & more convenient for patient positioning

### Remote service system

The remote service system enables experienced Neusoft engineers to directly connect to any MRI unit for immediate check-up and trouble shooting.

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