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Superstar 0.35T

OPEN BORE MARKET LEADER



Superstar 0.35T/16.04

Neusoft[®] Medical Systems



Superstar 0.35T

Superstar 0.35T MRI system is designed around a high homogeneity permanent magnet, and integrated with high-field MRI technology, achieving high system performance and excellent image quality.

The system has a large bore clearance which is ideal for claustrophobic and large patients.

This coupled with the wide array of clinical applications available on this platform makes it a leader in the open bore MRI market segment.

Superstar 0.35T Five Benefits



Class Leading User Interface Software

- Neusoft has a rich history developing software systems that are intuitive and user friendly.
- The unique Scan Card system guides the technician effortlessly through the patient examination.
- This improves the system throughput and enhances the overall patient experience by minimizing scan time.



High ROI(Return On Investment)

- The magnet system makes siting and acquiring the Superstar 0.35T more cost effective than a superconductive system with almost the same clinical capabilities.
- Without cryogenics or cold head maintenance requirements the Superstar 0.35T cost of ownership is much lower than a comparably equipped superconductive system.
- Post warranty service support is competitively priced and includes software upgrades. The Superstar 0.35T is the right choice in this era of "declining reimbursement".



Advanced Hardware Configuration

- Rapid switching of powerful gradients gives the Superstar 0.35T the ability to perform rapid, thin slice examinations.
- The multi-channel RF system allows the Superstar 0.35T to cover large anatomical areas without compromising image quality.
- Faster examinations with superior image quality, this is what defines a "Market Leader" in the open bore MRI.



High-field Clinical Application, Low-field Economy

- DWI, B-FE3D, DIXON, Dynamic enhancement curve, ROKAR and SENSE, are applications that were once reserved for high field systems.
- Using the superior technology of the Superstar 0.35T, these techniques are now available on a more economical low field platform.
- The Superstar 0.35T represents the "best of both worlds".



Comfortable Patient Experience

- With its wide bore and easy access, the Superstar 0.35T is the perfect imaging choice for claustrophobic or mobility challenged patients.
- Acoustic noise reduction technology is used to reduce scanning noise by 33%.





Powerful gradient system

High-end configuration and faster head-to-toe scanning

- Dual Shielding technology eliminates eddy current improving image quality.
- Noise reduction technology reduces gradient induced scanning noise.
- Gradient strength: 26mT/m, slew rate: 67mT/m/ms, the most powerful gradient system in the class increases your scanning speed.
- Compact, closed loop water cooling system provides superior temperature stability and extends scan duty cycle.

Efficient RF system

Superb components and outstanding image quality

- 4 channels RF system – high SNR and extended anatomical coverage.
- Powerful solid state RF amplifier – large patients can be effectively imaged using rapid imaging sequences.
- Advanced Phased Array Coils – the standard configuration includes seven coils designed to address a wide range of clinical needs.

High-Field Performance

Superior magnet design

Wide openness and high homogeneity & stability

- C shaped magnet design allows maximum access.
- High magnet homogeneity: <1.8ppm over a 36cm DSV.
- Stable magnet technology, decay < .002T/100 years.



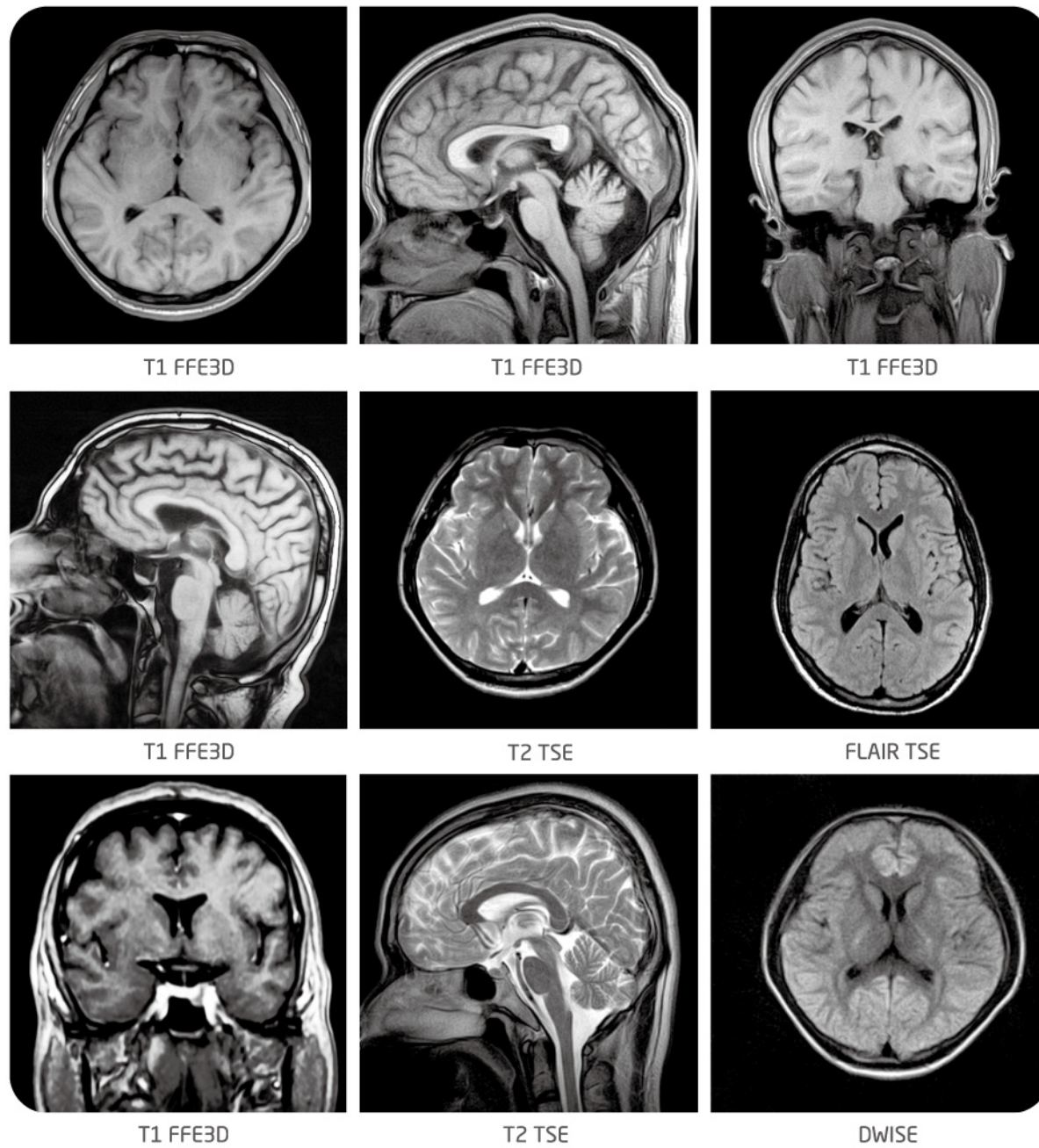
Phased Array Multi-Channel Receiving Coils



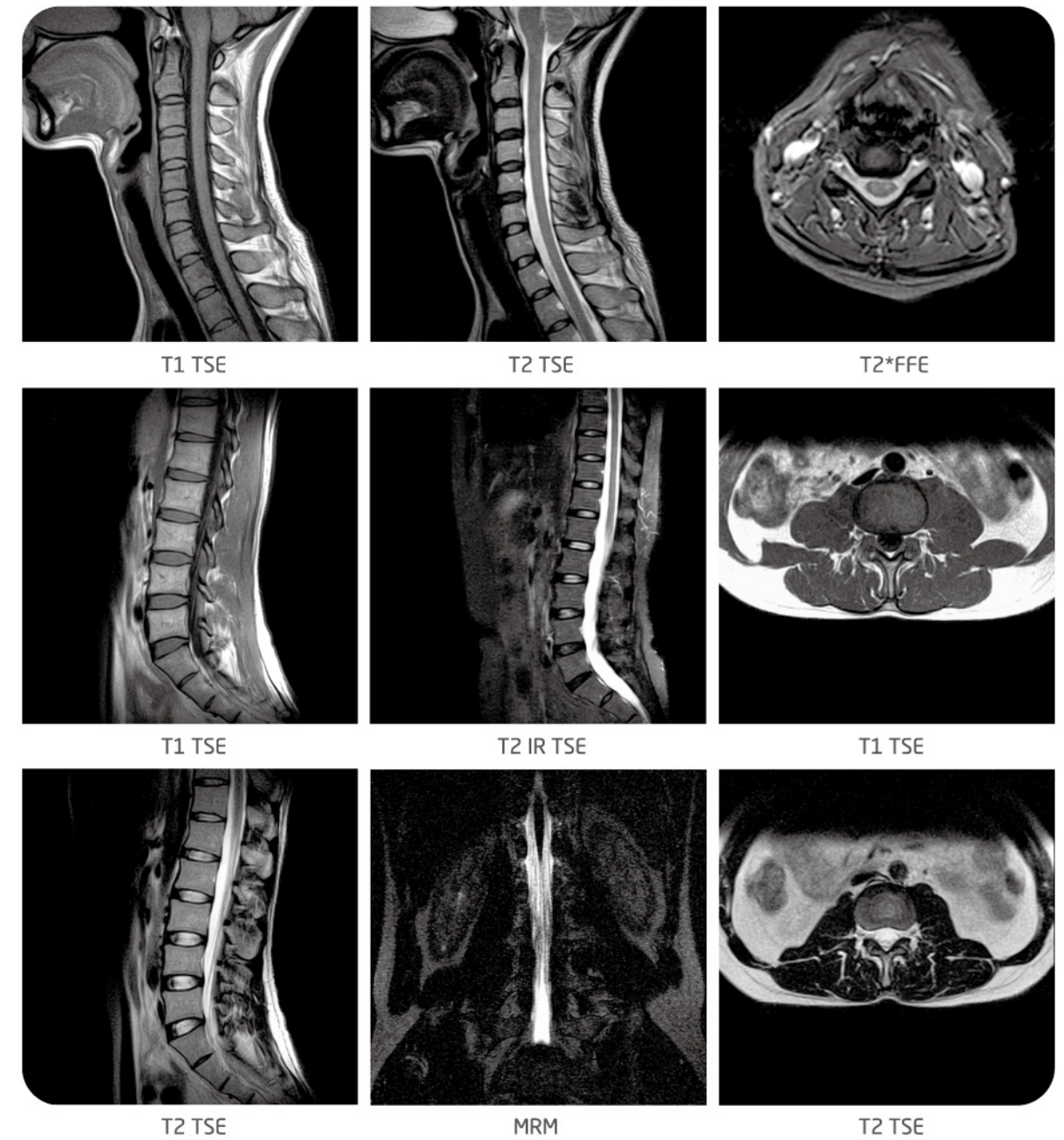
Software

- Optimized workflow, maximizing patient throughput and improving diagnostic outcomes.
- Unique “Scan Card” system, optimizing protocol selection and execution.
- High-field imaging sequences, available on a low-field system now.
- Embedded, advanced post processing capabilities, eliminating the need for an additional workstation.

Routine Examination: Head



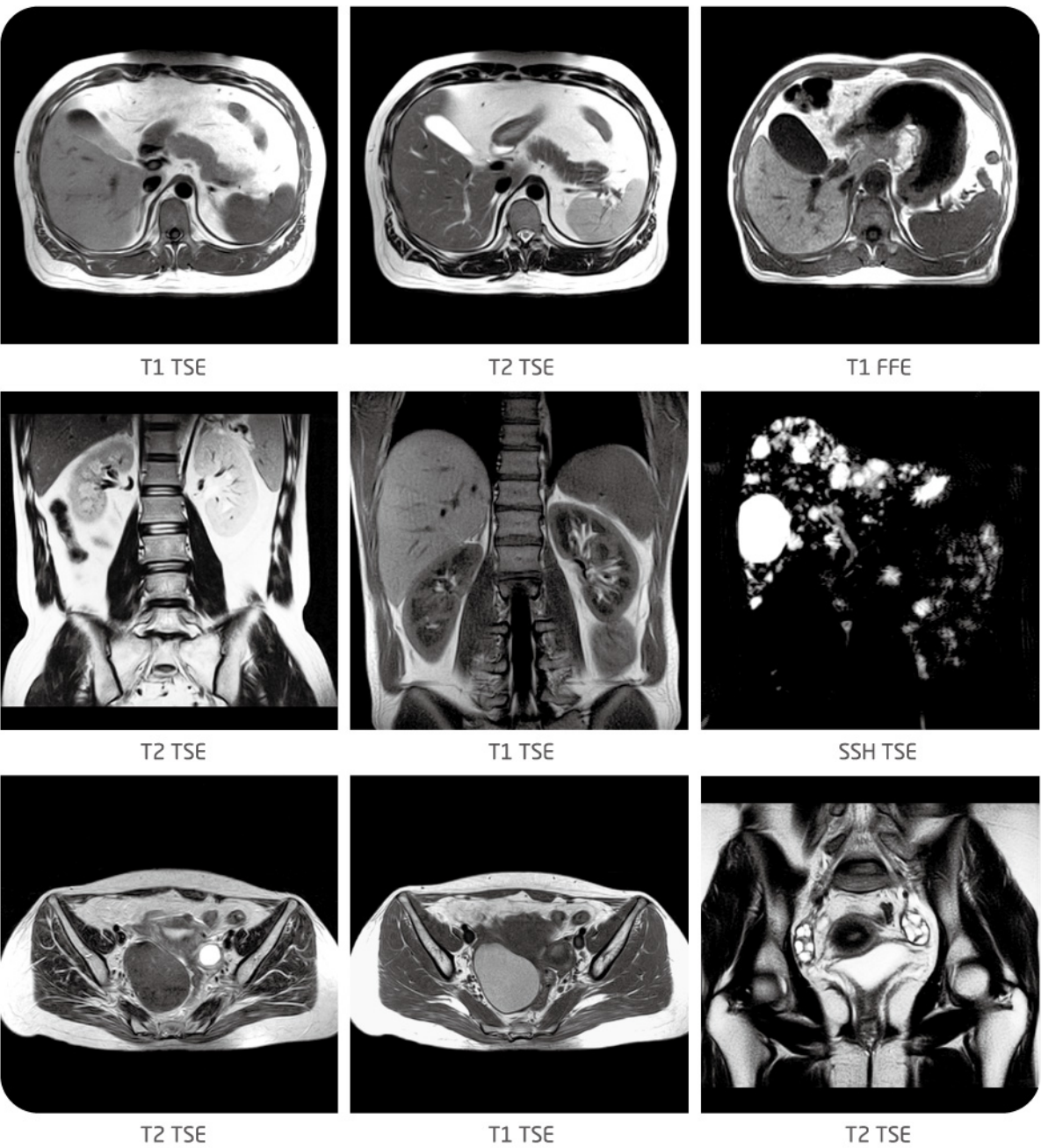
Routine Examination: Spine



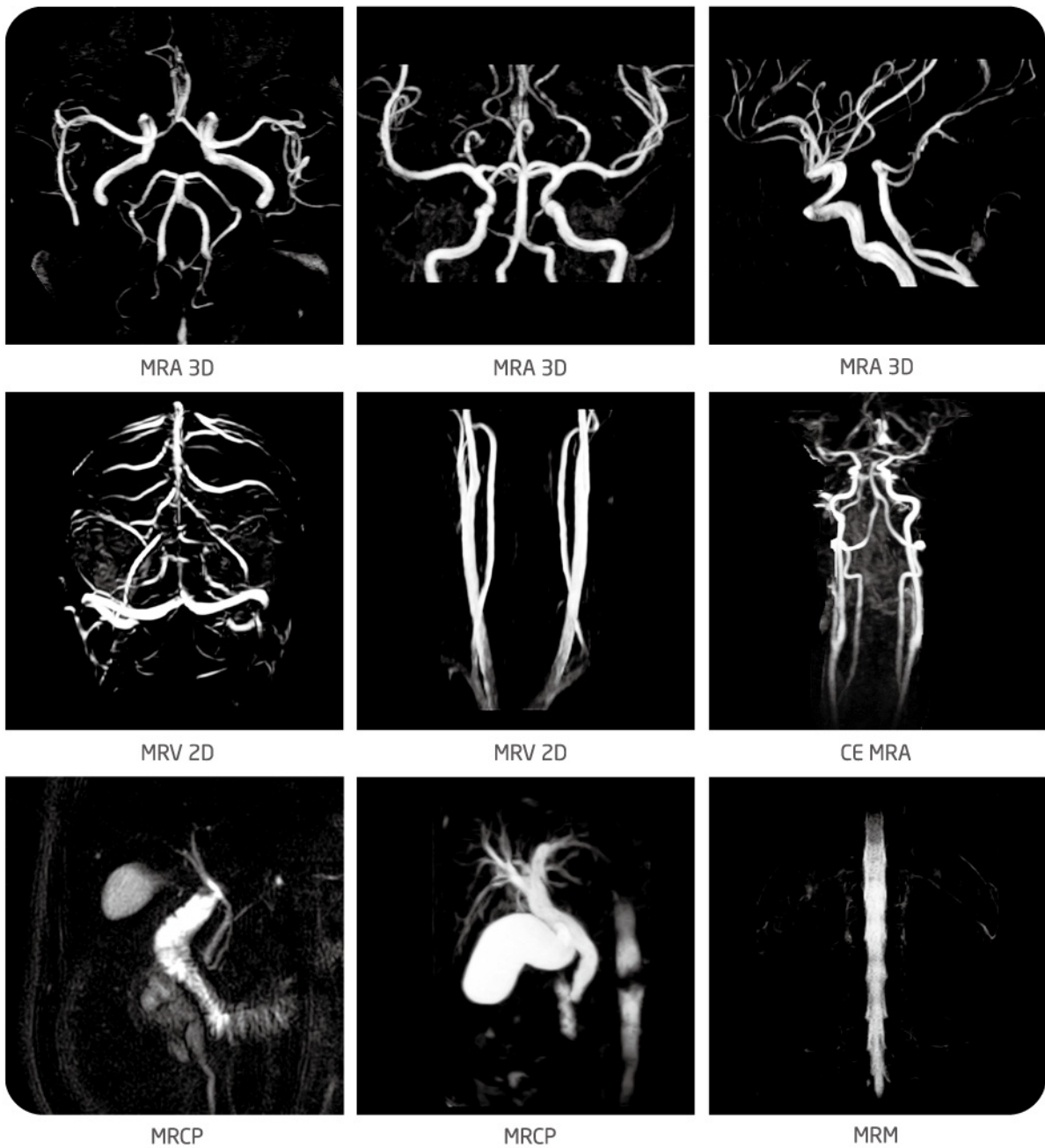
Routine Examination: Joints



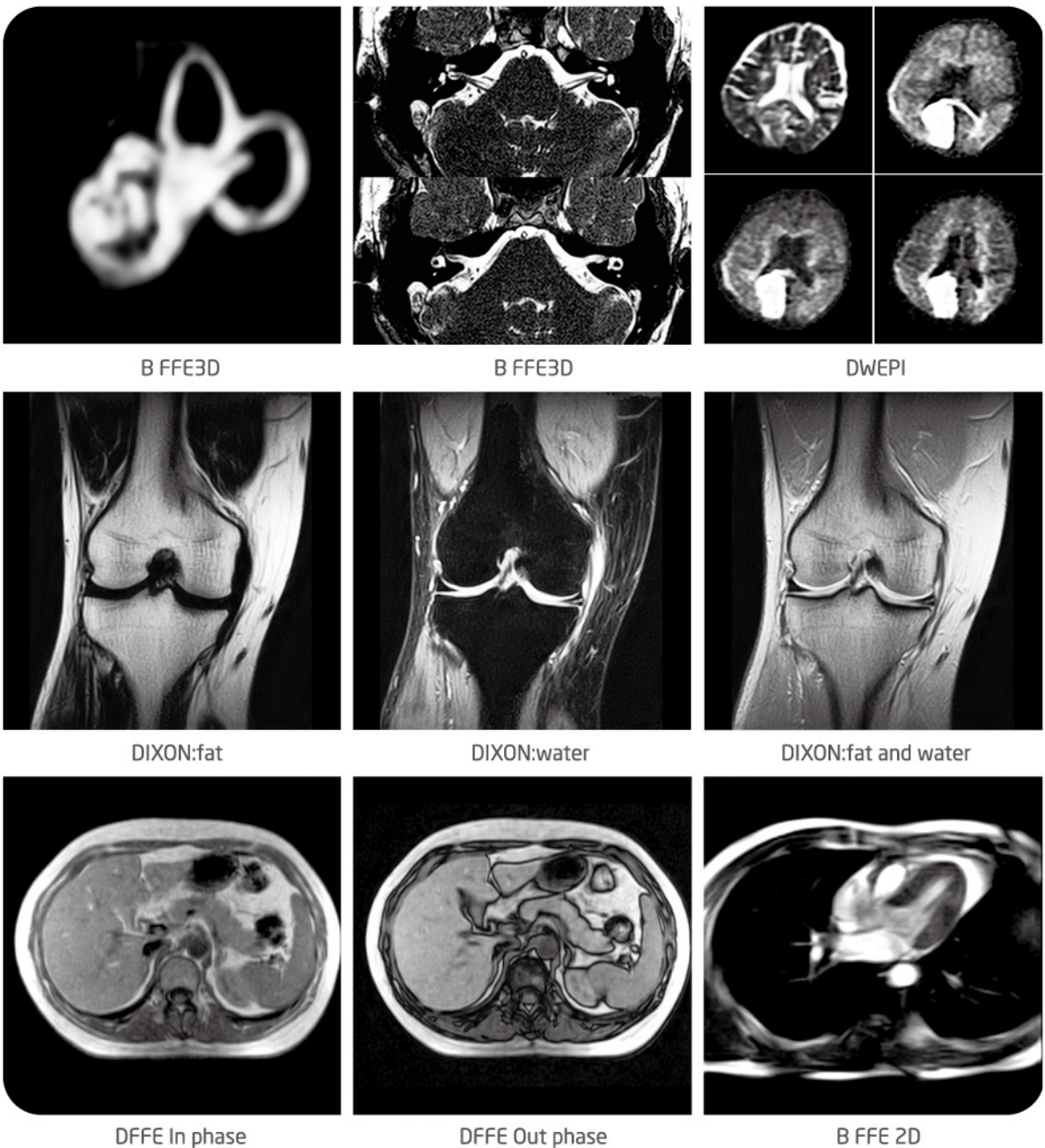
Routine Examination: Abdomen



Advanced Application



Advanced Application



Case Study

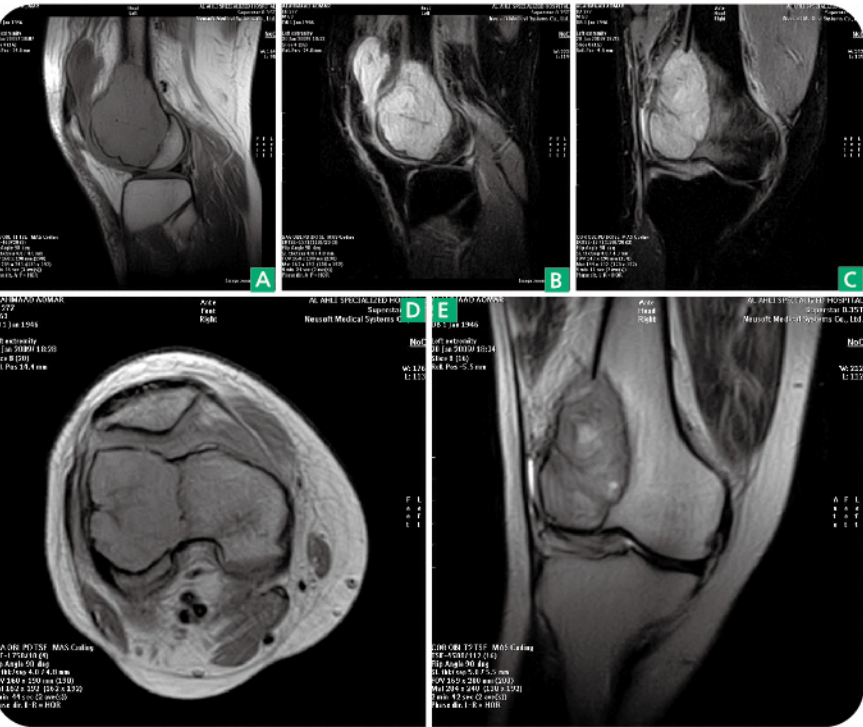
Helping doctors perform fast, accurate diagnosis

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 and T2WI is slightly high signal , and more hypo-intensity dots can be seen inside the mass. PD is middle signal.

IRTSE is high signal , around the mass there is slightly edema.



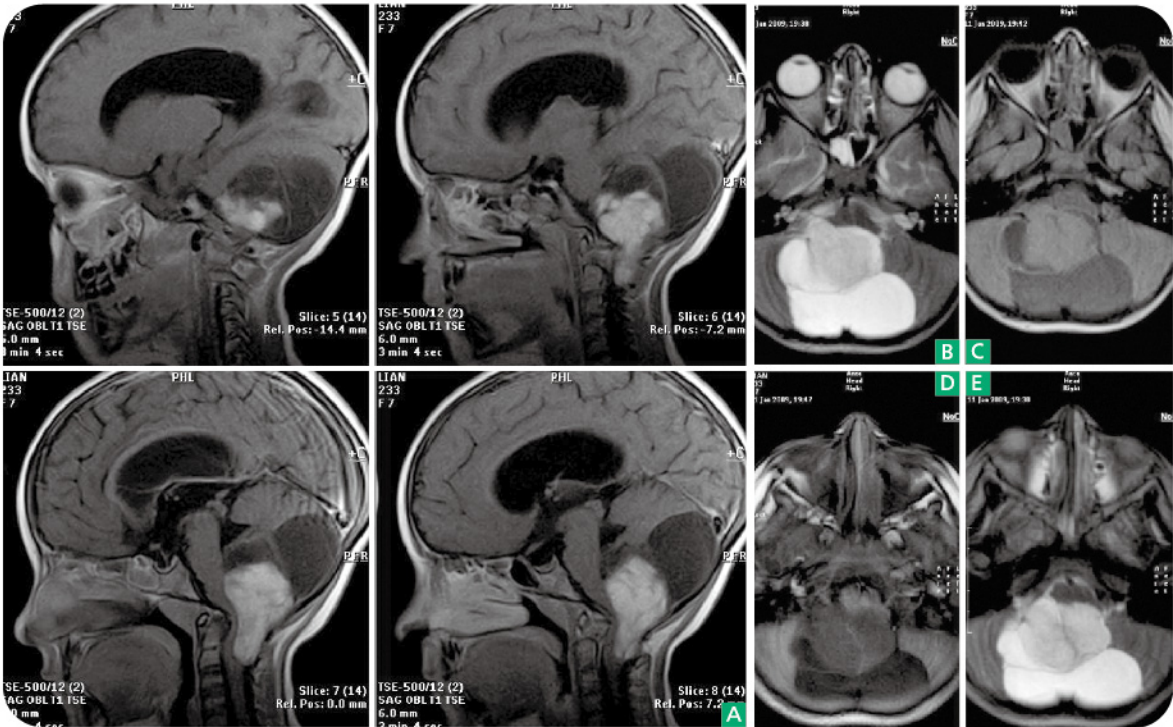
A: T1TSE; B/C: IRTSE; D: PDTSE; E: T2TSE

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: C+T1TSE; B/E: T2TSE; C/D: T1FFE3D

Neusoft MRI Systems, "A World of Experience"

Neusoft has a rich history in MRI Field. For 15 years Neusoft has improved its products and increased our installed bases with systems in the United States, Europe, South America, Africa and the Middle East.

From these efforts and successes we have gained "A World of Experience" which has resulted in the Superstar MRI system.

- 500+ customers in China
- 40+ customers in Africa 50+ customers in Asia
- 60+ customers in Middle East 50+ customers in Europe
- 70+ customers in South America 10+ customers in North America



After-Sales Service Support to maximize uptime (Global logistics and service system)



Remark

- ★ Subsidiary
- ★ Subsidiary & Spare parts center
- Service center
- Spare parts center

Remote Service Support

Neusoft remote service system, an online service support delivering prompt service to our customers worldwide.

* Broadband internet required at customer's site

Neusoft Medical Systems reserves the right to make change in design and specification of this product at any time without prior 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 any commitment on behalf of Neusoft Medical Systems.