WDM 万东 | Animal care

Precision imaging, Caring for your pets

We are committed to meeting the ever-evolving needs of medical care, and provide advanced and reliable products and solutions for veterinary medical care, based on more than 70 years of profound accumulation of medical technology for humans and strict quality control. We respect every life and devote to continuously improve the quality of animal medical care.

WDM

Beijing Wandong Medical Technology Co., Ltd.

Address: Building 3 No.9 Jiuxianqiaodong Road, Chaoyang District,100015,Beijing, P.R.China

Tel: +86-10-84575792/3/5/6

Fax: +86-10-84575794

Web: www.wandong.com.cn

E-mail: International@wandong.com.cn

Veterinary Superconducting MRI System

I_SPACE 1.5T-VET



WDM 万东 | Animal care

Comprehensive Empowerment
Infinite Exploration

The i_Space 1.5T-VET MRI system undergoes a comprehensive upgrade. Its technology doubles the signal-to-noise ratio and quadruples the scanning speed. The advanced compressed sensing technology intelligently enhances resolution and clarity while significantly reducing scanning noise. Additionally, customers receive seamless pre-sales and after-sales support, ensuring a worry-free experience and fully assisting in improving clinical diagnostic capabilities.

High Quality

True 16-channel system / 175 gradient engine / 1ppm high uniformity magnet

Intelligent Technology

i DEAL intelligent imaging system, doubles the SNR and quadruples the speed

pSENSE compressed sensing imaging technology

i Smooth 2.0 silent acquisition technology

Comprehensive Clinical Solutions

Solutions for cranial diseases / abdominal diseases / musculoskeletal diseases

Worry-free Service

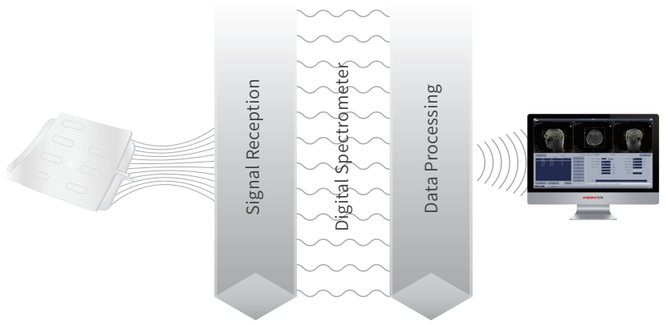
Dedicated veterinary products division / All-in-one turnkey solution



High Quality

True 16-Channel System

- The number of RF channels is a core hardware parameter determining the performance of the MRI system
- 16 analog-to-digital converters match the machine's RF channels one-to-one
- A 16-channel abdominal coil is configured accordingly



1ppm High Uniformity Magnet

- High-performance superconducting magnet and sub-second intelligent shimming technology
- Magnetic field uniformity within a 50 cm sphere is less than 1ppm
- Excellent fat saturation effect in the large FOV and off-center areas

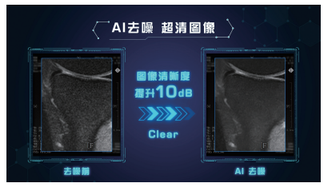
175 Gradient Engine

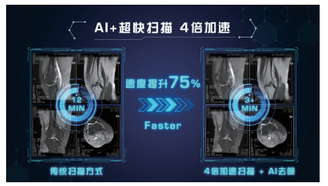
- Gradient field strength: 35mT/m, slew rate: 175mT/m/ms
- EPI's shortest TE < 1ms, shortening scan time
- Enhances advanced sequences, scan accuracy and speed

Intelligent Technology Enhancing Efficiency

i DEAL Intelligent Imaging System

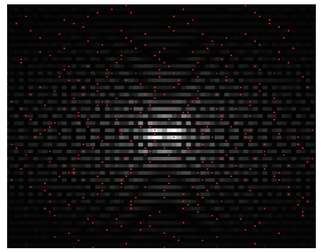
- Doubles the SNR and quadruples the speed
- Deep learning-based image reconstruction technology
- Significantly improves the signal-to-noise ratio and clarity of the images





pSENSE Compressed Sensing Imaging Technology

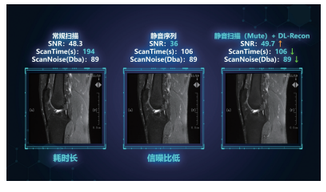
- Combines the incoherent undersampling in compressed sensing with the parallel acquisition technique SENSE
- Greatly reduces the number of encoding steps in k-space, and the sequence scanning time is exponentially shortened
- Boosts spatial resolution or enlarges 3D imaging range for rapid, precise imaging

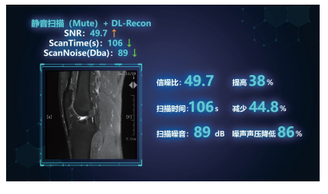


Grayscale maps k-space data; red dots mark sampled points

i Smooth 2.0 Silent Acquisition Technology

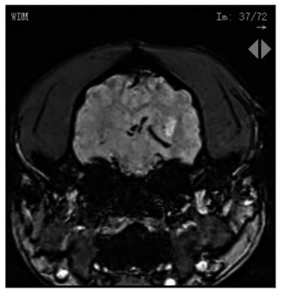
- Reduces the number of sequence excitations
- Utilizes the silent function to lower the noise
- Deep Learning Reconstruction Model (DL-Recon) combines denoising with high-quality imaging



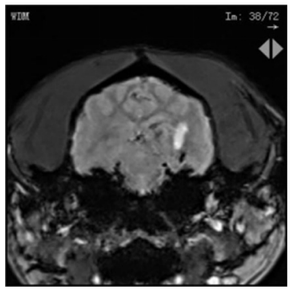


Full Clinical Application

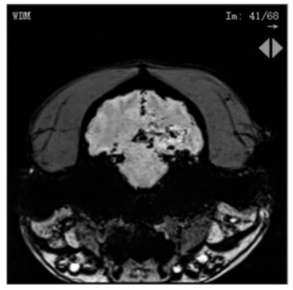
Whole-brain SWI (Susceptibility-weighted imaging for microbleed lesion imaging)



SWI

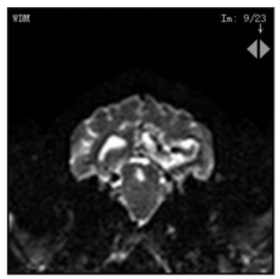


SWI mag

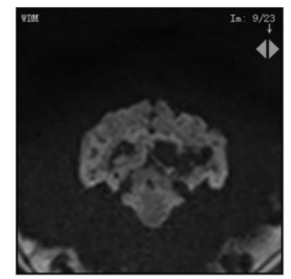


SWI MinIP

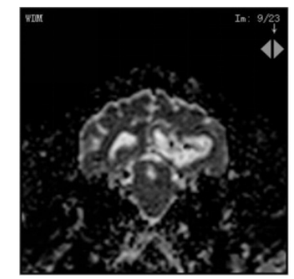
Whole-brain DWI (Diffusion-weighted imaging for early stroke diagnosis)



EPI_DWI B0

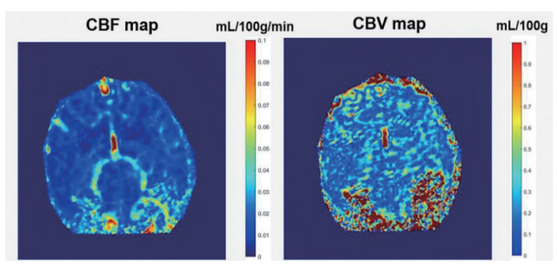


EPI_DWI B1000

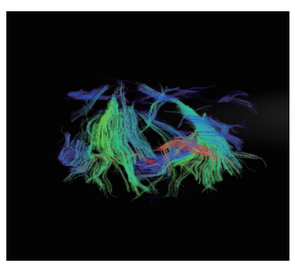


EPI_DWI ADC

Whole-brain DSC
(Dynamic Susceptibility Contrast for cerebral perfusion imaging)



ADP-DT
(Nerve Fiber Tracing)





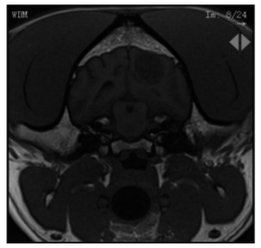
Full Clinical Application

Cranial Diseases Solutions

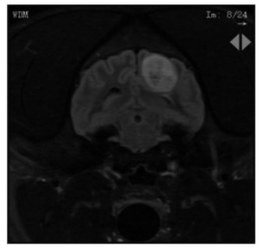
- The T2w sequence excels at demonstrating high contrast of soft tissues
- The T1w sequence can clearly depict the edges of bones
- The FLAIR sequence combines T1w and T2w to differentiate free and bound water, ideal for diagnosing lesions near ventricles or subarachnoid space



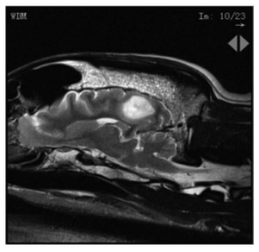
TOF



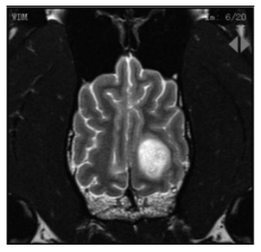
T1WI_TRA



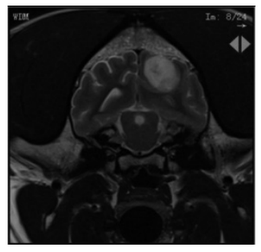
FsFlair_TRA



T2WI_SAG



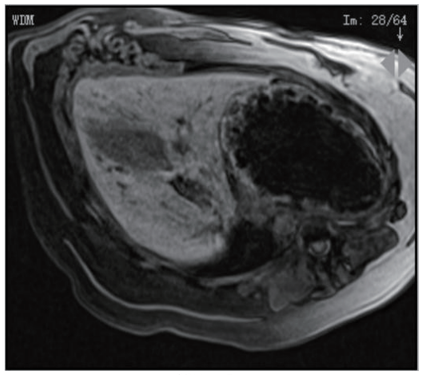
T2WI_COR



T2WI_TRA

Abdominal Disease Solutions

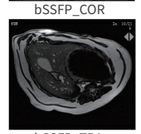
- Combines Fast Spin Echo (FSE) and PROPELLER k-space filling techniques
- Motion suppression techniques, including breath-holding and respiratory triggering, reduce respiratory motion artifacts
- T2-weighted imaging improves imaging speed, significantly reduces motion artifacts, and ensures image clarity



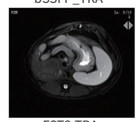
3D VALUE



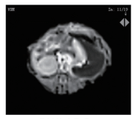
bSSFP_COR



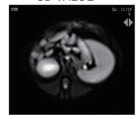
bSSFP_TRA



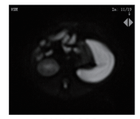
FST2 TRA



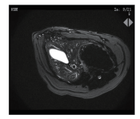
DWI ADC



DWI B0



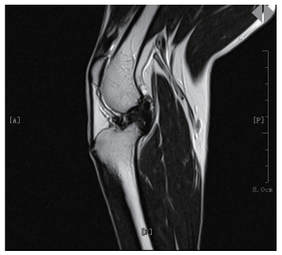
DWI B800



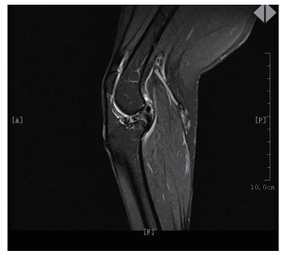
T2 Prop

Musculoskeletal Disease Solutions

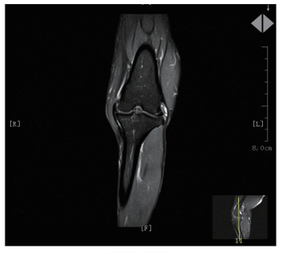
- Capable of diagnosing cartilage damage, joint effusion, or other joint pathologies
- Provides clear images with rich detail information



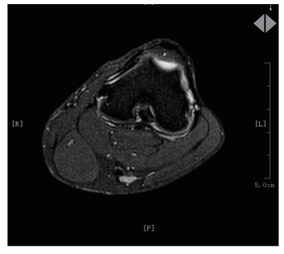
T2WI_SAG



WFS_T2_SAG(w)



FST2_COR



FST2_TRA

Global service caring for you

24hours online support

Quick response and remote technical support, on-line trouble shooting, spare parts inventory and quick delivery.

Free software upgrade

Fully self-developed acquisition platform, free lifetime software upgrade, always providing you the excellent experience.

Professional team

Wandong imaging products has been installed in over 90 countries, more than 100 distributors and authorized service partners are ready to provide professional service.

Regular maintenance

Regular maintenance by experienced and qualified engineers, guarantees the stable operation, prevents major failures, and extends the equipment life.

