

MRI LONWIN



LONWIN SUPERCONDUCTIVE 1.5T MRI

Lonwin Super Conductive 1.5T MRI merupakan penyempurnaan dari teknologi Nuclear Magnetic Resonance yang dikembangkan oleh Beijing University dan telah dipakai selama lebih dari 60 tahun. Lonwin Super Conductive 1.5T MRI dirancang secara khusus untuk memaksimalkan fitur-fitur yang dapat mempermudah para ahli kesehatan dalam membuat diagnosa dan menganalisis kondisi pasien.

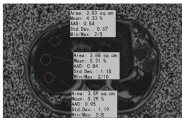
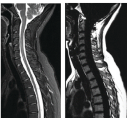
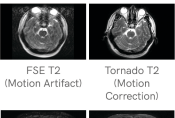
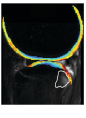
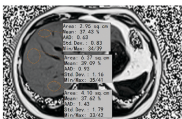
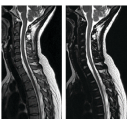
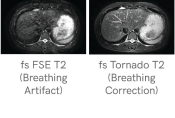
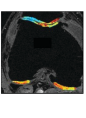
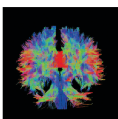

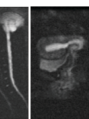
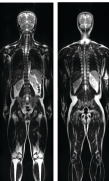
Beberapa fitur eksklusif tersebut antara lain: Magneto Central Control Unit (CCU) Spectrometer, GM4K Magnet (zero helium boil-off magnet, 24 steps dynamic high order shimming), Focus Phased Array Coils dan Hifi-Performance of Gradient & RF System. Lonwin Super Conductive 1.5T MRI juga sudah dilengkapi dengan mLIVE technology, T2-mapping, tornado technology dan focus DIXON.

LEADING 1.5 PERFORMANCE

- CCU SPECTROMETER
- FOCUS PHASED ARRAY COILS
- GM4K MAGNET
- HIFI-PERFORMANCE OF GRADIENT AND RF SYSTEM



ACCURATE QUANTITATIVE FUNCTIONAL IMAGING

mLive Technology (PDF)	Focus DIXON	Tornado Technology	T2 Mapping
			
Normal Liver	Water Fat	FSE T2 (Motion Artifact) Tornado T2 (Motion Correction)	
			
Severe Fatty liver	In-phase Out-phase	fs FSE T2 (Breathing Artifact) fs Tornado T2 (Breathing Correction)	
Advanced Application			
			
DTI	Focus FIRE	Focus DWI	Whole Body Scan

SERTIFIKASI



SPESIFIKASI

No.	Parameters	Specification
*	Overall requirements	Qualified for FDA, CE, and CFDA certification.
**	Certification	
1	Magnet	
1.1	Intensity of magnetic field	1.5 Tesla.
1.2	Type	Superconducting magnet.
1.3	Homogeneity stability	0.125 ppm/h.
1.4	Inner diameter of patient bore	60 cm.
1.5	4K Dr Bon Rate Technology	Yes.
1.6	Helium volume	1000 lt.
1.7	Magnet weight	3.8 ton.
2	RF transmit and receive	
2.1	RF amplifier maximum output power	20 kW.
2.2	Power Consumption	80 kW.
2.3	Standby Power	30 kW.
2.4	High-density coils	
2.4.1	Music phased array head and neck	16 channels coil.
2.4.2	Music phased array spine coil	18 channels.
2.4.3	Music phased array body coil	8 channels.
2.4.4	Phased array knee coil	8 channels.
2.4.5	Phased array shoulder coil	4 channels.
3	Patient table	
3.1	Maximum weight for patient	260 kg.
3.2	Positioning accuracy	± 0.5 mm.
3.3	Automatic movement	Yes.
4	Host computer system	
4.1	Model	Industrial level.
4.2	Operating system	Windows 64 bit.
4.3	RAM	8 GB.
4.4	Hard disk	1 TB.
4.5	Monitor	21" Medical LED 1600x1200. 19" LED 1280x1024.
4.6	DICOM 3.0 standard interface: transmit / receive / print / archive / query / worksheet / MPPS, etc.	Yes.
4.7	IHE communication with RIS / HIS which comply with HL7 standards	Yes.
4.8	DICOM laser camera interface	Yes.
5	Accessories	Included.
5.1	Warranty period	5 years including maintenance and spare parts.
5.2	RF cage, interior, lighting room	Included.
6	Advantages	
6.1	M1 Live - Fat and iron dual quantitative solution	Yes.
6.2	T2 mapping	Yes.
6.3	Full body scanning	Yes.
7	Training	
7.1	Onsite technical training	Yes, 3-4 days after commissioning.
7.2	Clinical training 1	Yes, 3-4 days after commissioning.
7.3	Clinical training 2	Yes, after 3-6 months.
	Clinical training 3	Yes, after 1 year.