Specifications for 1.5T MRI

1.5Tesla

- ≥ 70 cm wide bore
- ≥ 50 cm coverage
- ≥ 500 lb table capability
- Motion Correction Capability
- Helium Save Technology
- Noise Reduction Technology
- Power Conditioning as recommended by MRI Scanner Provider
- UPS to maintain total system functionality for 10 minutes without facility power
- HL7 Integration (HIS/RIS)
- DICOM and IHE-Q/R, MWM, STORE COMMIT SCU, and MPPS
- Detachable table or trolley
- VCE ECG (VCG), Respiratory and Peripheral Pulse gating/triggering
- Advanced exam planning technology
- Geometry Linking (multi-station exams)
- Real-Time MIP, MPR, and 3D surface rendering
- Advanced MR viewing environment for viewing, processing and file generation
- Active self-shielding
- Patient specific shimming
- Tabletop integration coil design and ports
- Fat/water separation techniques
- Advanced non-contrast MRA imaging technology
- 3D FSE-based sequence for isotrophic resolution in all contrasts
- Bolus tracing system
- Torso Coil (16 channel or higher)
- Knee Coil (8 channel or higher)
- Shoulder Coil (8 channel or higher)
- Head Coil (8 channel or higher)
- Neuro Vascular Coil (16 channel or higher)
- Run-off Coil (16 channel or higher)
- Foot/Ankle Coil (8 channel or higher)
- Wrist Coil (4 channel or higher)
- Elbow Coil (4 channel or higher)
- Runs on Windows 7 or latest version

Advanced Applications

- MRI Cardiac
- MRI Breast
- MRI Neuro
- MRI Ortho
- MRI Body
- fMRI
- 32 channel or digital upgrade equivalent
- Integration to 3rd party advanced visualization system

Training

- Pre-installation clinical education for technologists (4 technologists – tuition and travel)
- On-site or off-site clinical applications training for physicians (2 physicians – tuition and travel)
- One week on-site education for technologists for go live (4 technologists)
- One week follow up on-site clinical education and applications training (4 technologists)
- One week additional follow up on-site clinical education and applications training (4 technologists)
- Full Biomed Engineer System MRI training (2 engineers- tuition and travel)

Desired Items

- Flex coil technology
- VPN connected remote service and applications support
- Patient comport focused scanning environment
- Fiber Tracking Software
- MRI safe headphone music system for patients
- Cardiac Coil (8 channel or comparable)
- Breast Coil (8 channel or comparable)
- Extra Tabletop and cart
- Transmit/receive only head coil
- Extended Warranty for 6 months