Nuclear Medicine Capital Equipment Specifications

Modality: SPECT/CT

Capital Equipment

- Capital Equipment - SPECT/CT
- Multislice CT
- Dual Detector with Variable Angle, Cephalic & Caudal Tilt
- Large Field of View: minimum UFOV 50cm x 38cm
- Table Weight Limit > 400lbs
- Energy Range Minimum 60-550keV
- Persistence Scope
- CTAC Timing Resolution equal to or less than 0.5 Sec
- Multiple kVp
- Hi Resolution Detector
- High Performance Multi-Head Configuration
- Collimators, multiple energy levels
- Internal ECG/Cardiac Gate
- External ECG Connectivity/Input
- ECG Monitor/Stand
- Flood Source/Holder
- Four Quadrant Bar Phantom
- Point Source/COR Source/Holder
- Low Contrast CT Phantom/Holder
- Main Disconnect Panel
- RIS/HIS Interface
- Head Holder
- Patient Arm Support
- Patient Leg Rest
- Patient Pallet Extender
- All Applicable Operator's Manuals x 2
- UPS to maintain total system functionality for 10 minutes without facility power

Workstations

- Acquisition/Console Hardware
- 19" flat panel Monitor x 2
- Supplemental In-room SPECT Acquisition Control
- Runs on Windows 7 or latest version

Software

- Acquisition Software
- DICOM 3.0 Compatible Worklist
- SPECT/CT Processing
- Nuclear Medicine Diagnostic Applications
- SPECT/CT Fusion Applications
- Software Licenses

Advanced Applications

- Whole Body SPECT Capability
- Advanced Nuclear Cardiology SPECT/CT
- SPECT/CT MPI Registration/QC Package
- Advanced Nuclear Oncology
- Advanced Nuclear Neurology
- Advanced Iterative Reconstruction/Processing for Nuclear Medicine/Nuclear Cardiology
- Advanced Resolution Recovery
- ½ time/dose Planar
- ½ time/dose SPECT
- Multi-frame Secondary Capture
- Processing Placeholder
- Remote Diagnostic Services
- Applications Support
- 3D/CTA Fusion Overlay

Training

- Initial Onsite Applications Training (x1 week)
- Follow-up Onsite Applications Training (x2 weeks)
- Onsite Advanced Applications Training (x 1 week)
- Offsite Training & Travel Package (Lodging/Meals/Transportation)
- Biomed Basic Training
- Biomed SPECT/CT Training
- Biomed – Console Training
- Biomed – Workstation Training
- Web Based Training
- Biomed Training Travel Package (Lodging/Meals/Transportation)

Desired Options

- Auto QC
- Advanced Nuclear Cardiology Configuration/Hardware/Processing
- Oncology/Treatment Planning Positioning/Pallet
- Advanced Neurology Applications
- CTAC Coronary Calcium Scoring
- Iterative Reconstruction for CTAC
- Radiation Dose Tracking
- 1 year extended applications support
- 6 month extended warranty