AURORA, CO

PO# 554-B30023

SPECT/CT Minimum Specifications

The Eastern Colorado Health Care System is purchasing a SPECT/CT Unit for our replacement medical center. This equipment will allow us to provide superior image quality which is very important in the assessment of abnormalities.

Capital Equipment

- Capital Equipment - SPECT/CT
- Multislice CT
- Bore size ≥ 70cm
- Dual Detector
- 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
- Low Energy, High Resolution Collimator
- Medium Energy Collimator
- High Energy Collimator
- Pinhole Collimator (1)
- Internal ECG/Cardiac Gate
- External ECG Connectivity/Input
- ECG Monitor/Stand
- Four Quadrant Bar Phantom
- Automatic & Manual motion correction
- 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
- Knee support wedge
- Total body arm boards
- In room shielding with integrated system controls
- All Applicable Operator's Manuals x 2
- UPS to maintain total system functionality to allow for adequate time to complete current procedure
- Power conditioning as recommended by the vendor

In Room Workstations

- Acquisition/Console Hardware
- Minimum 19" flat panel Monitor (2)
- Supplemental In-room SPECT Acquisition Control

- Patient Radiation Dose Tracking

Physician Workstation

- Minimum 19” flat panel monitor (2)
- Ability to view all SPECT/CT scanners in department
- No acquisition controls

Software

- Acquisition Software
- DICOM Compatible Worklist
- SPECT/CT Processing
- Nuclear Medicine Diagnostic Applications
- SPECT/CT Fusion Applications
- Software Licenses
- Cedar-Sinai & Emory Cardiac Toolbox

Advanced Applications

- Whole Body SPECT Capability
- Cardiac quantification program for SPECT myocardial perfusion
- Cardiac Planar Gated Blood Pool
- Lung Analysis
- Thyroid Analysis
- Renal Analysis
- Gastric Emptying Analysis
- Brain Analysis
- Liver Analysis
- Image Fusion
- Gallbladder Analysis
- 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 (40 hours)
- Follow-up Onsite Applications Training (40 hours)
- Onsite Advanced Applications Training (40 hours)
- Offsite Training & Travel Package (2 technologists, Lodging/Meals/Transportation)
- Biomed Basic Training (1)

- Biomed SPECT/CT Training (1)
- Biomed – Console Training (1)
- Biomed – Workstation Training (1)
- Web Based Training
- Biomed Training Travel Package (1 technician, Lodging/Meals/Transportation)

Support and other Documentation to Provide

- Provide DICOM Conformance Statement
- Provide Completed Pre-Procurement Assessment form (6550) and MDS2 Document
- VPN connected remote service and applications support

Desired Options

- Advanced Nuclear Cardiology Configuration/Hardware/Processing
- Advanced Neurology Applications
- CTAC Coronary Calcium Scoring
- Iterative Reconstruction for CTAC
- 1 year extended applications support
- Table extension
- Complete advanced visualization package (thin-client)
- Patient comfort focused scanning environment