Nuclear Medicine Capital Equipment Specifications
SPECT Camera – Danville VAMC – 550-B20007

Danville VA is requesting a SPECT. This equipment will be used to provide general nuclear medicine studies with SPECT imaging.

Main Nuclear Medicine System

1. Dual Detector with Variable Angle
2. Table Weight Limit > 400lbs
3. Hi Resolution Detector – 3/8" Crystal
4. High Performance Dual Head Configuration

Collimators

1. Low Energy High Resolution (LEHR) Collimators (x2)– to be used for General All Purposes Images
2. Medium Energy General Purpose Collimators (x2)– to be used for Octreoscans, Indium imaging
3. Pinhole Collimator
4. Collimator Cart(s) – as required by vendor

Accessories/Additional Items:

1. ECG/Cardiac Gate
2. Four Quadrant Bar Phantom
3. Point Source/COR Source/Holder
4. Hand Controller for scanner (extra)
5. *Scanner UPS (not full – but one to allow shut down of system safely – 10-30 mins).*
6. Head Holder
7. Patient Arm Support
8. Patient Leg Rest
9. Patient Support Straps
10. Patient Table Extend Pivot

Acquisition Workstation – *located in the scan room*

1. Acquisition/Console Hardware
2. Minimum 19" LCD Monitor (quantity as required by vendor)
3. Keyboard/Mouse
4. Latest Operating Systems (e.g. Windows 7 or greater)
5. Workstation UPS (as defined by vendors)

Processing Workstation – *located in the control room*

1. Acquisition/Console Hardware
2. Minimum 19" LCD Color Monitor (quantity as required by vendor)
3. Keyboard/Mouse
4. Latest Operating Systems (e.g. Windows 7 or greater)

5. Workstation UPS (as defined by vendors)

Software

1. Acquisition Software
2. DICOM 3.0 Compatible Worklist
3. SPECT Processing
4. Nuclear Medicine Diagnostic Applications
5. Software Licenses

Advanced Applications *(all applications to be included on the all processing workstations)*

1. Quality Control Feature
2. Organ processing
3. Whole Body SPECT Capability
4. SPECT MPI Registration/QC Package (ex: Cedars QGS/QPS, Emory TB, 4DM, Autoquant)
5. Advanced Iterative Reconstruction/Processing for Nuclear Medicine/Nuclear Cardiology
6. ½ time/dose Planar
7. ½ time/dose SPECT

Each vendor is to respond with analysis packages that meet the criteria listed above. Please include all other analysis packages offered by your company in the optional section on the quotes.

Training

1. Initial onsite Applications Training – to be used 1 week prior to Go-Live for technologists
2. Follow-up onsite Applications Training
3. One technical biomedical engineering training
    - Technical biomedical engineering training travel package (Lodging/Meals/Transportation)
    - Please include any pre requisites required

Support and other Documentation to Provide:

1. Please provide the weight of the unit.
2. Please provide the physical size (Height, Width, Depth).
3. Provide 2 copies product service manuals (1 hard copy and 1 digital copy).
4. Provide DICOM Conformance Statement
5. Provide completed Pre-procurement Assessment form (6550)
6. Provide information about your companies support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)