

Nuclear Medicine Capital Equipment Specifications
Non-Diagnostic SPECT/CT – Orlando VAMC – 675-B57021

Orlando VA is requesting a non-diagnostic SPECT/CT. This equipment will be used to provide low dose non-diagnostics CT for anatomic localization and CT attenuation correction.

Main Nuclear Medicine System

1. Dual Detector with Variable Angle
2. Large Field of View: minimum UFOV 50cm x 38cm
3. Table Weight Limit > 400lbs
4. Energy Range Minimum 60-550keV
5. CTAC Timing Resolution equal to or less than 0.5 Sec, multiple kVp, mA
6. Iterative Reconstruction for CTAC
7. Hi Resolution Detector – 3/8" Crystal
8. High Performance Dual Head Configuration
9. Our room size is limited therefore, please provide dimensions of the system H x D x W (in), as this will be important evaluation information.

CT Specifications

1. Non-diagnostics CT to be used for attenuation correction and localization only
2. Minimum 4 Slice CT
3. Field of View: minimum 47cm
4. Rotation time: minimum 60 seconds

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. High Energy General Purpose Collimators (x2)– to be used for I-131 imaging
4. Pinhole Collimator
5. Collimator Cart(s) – as required by vendor

Accessories/Additional Items:

1. ECG/Cardiac Gate
2. Flood Source/Holder
3. Four Quadrant Bar Phantom
4. Point Source/COR Source/Holder
5. Low Contrast CT Phantom/Holder
6. Scanner UPS (not full, but one to allow shut down of system safely, 10-30 minutes)
7. Main Disconnect Panel
8. Head Holder
9. Patient Arm Support
10. Patient Leg Rest

11. Patient Pallet Extender
12. Patient Table Multi-angle Pivot – to perform stand up images

Acquisition Workstation – located in the scan room

1. Acquisition/Console Hardware
2. Minimum 19" LCD Monitor (quantity as required by vendor)
3. Keyboard
4. Latest Operating Systems (e.g. Windows 7 or greater)
5. Workstation UPS (as defined by vendors)
6. Hardware memory upgrade (ex: 24GB RAM)

Processing Workstation – located in the control 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)
6. Hardware memory upgrade (ex: 24GB RAM)

Software

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

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

1. Quality Control package
2. Whole Body SPECT Capability
3. Advanced Nuclear Cardiology SPECT/CT
4. Advanced Nuclear Cardiology Configuration/Hardware/Processing
5. SPECT/CT MPI Registration/QC Package (ex: Cedars QGS/QPS, Emory TB, 4DM, Autoquant)
6. Advanced Nuclear Oncology
7. Advanced Nuclear Neurology
8. Advanced Iterative Reconstruction/Processing for Nuclear Medicine/Nuclear Cardiology
9. Advanced Resolution Recovery
10. ½ time/dose Planar
11. 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 Application Training (3 days minimum) focus on CT for technologists
2. Initial onsite Applications Training (1 week) – to be used 1 week prior to Go-Live for technologist
3. Go-Live onsite Applications Training (1 week) – to be used for technologists
4. Follow-up onsite Applications Training (1 week) – to be used with the first 9 months from Go-Live for technologists
5. Follow-up onsite Applications Training (1 week) – to be used with the first 9 months from Go-Live for physicians
6. Offsite training for minimum of 2 technologists as recommend by vendors
 - Technologists offsite training travel package (Lodging/Meals/Transportation)
7. 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.)