

Capital Equipment Specifications
CT scanner – Minneapolis VAMC
618-B59000

Minneapolis VA is requesting a Dual Energy CT scanner that can deliver the best imaging at the lowest possible dose. This request is for one CT scanner to be located at the Minneapolis VA.

CT Scanner Technical Requirements

1. Scanner shall provide the ability for the user to independently operate the table, gantry and CT fluoroscopy mode while performing biopsy or patient related exams. This ability would be in addition to the control happening in the control room.
2. Dual Energy Imaging
3. Gantry aperture $\geq 70\text{cm}$
4. 360 Degree rotation $\leq 285\text{ sec}$
5. Detector width must be $> 40\text{ mm}$.
6. Minimum number of samples per rotation (images, slices) ≥ 64
7. Display CTDIvol (dose) before scan
8. Display DLP (dose) after exposure
9. Automated ma regulation
10. Iterative reconstruction
11. Contrast timed injections (bolus chase)
12. Retrospective and prospective gated ECG Coronary CCTA
13. ECG Monitor
14. ROI triggered cases in which contrast attenuation during the scan during the injection using a placed gate ROI in aorta or pulmonary artery for CTA and CCTA
15. Medrad/Bayer Certegra Contrast Injector – Ceiling Mounted
16. 50cm Full Field Scan
17. Reconstruction of images (> 30) per second
18. HL7 integration (HIS/RIS)
19. DICOM and IHE- Q/R, MWM, STORAGE COMMIT SCU, MPPS
20. Power conditioning (as defined by vendors)
21. UPS (designed to cover the time required to switch to Emergency Power)

Table Technical Requirements

1. Table height will lower to a level where the patient can simply swivel around in order to transfer to a wheelchair.
2. Patient weight capacity $\geq 200\text{kg}$ or 440lb encourage to submit bids with highest weight support

Workstation Technical Requirements

1. Operators workstation including UPS (as defined by vendors)
2. Technologist workstation including UPS (as defined by vendors)

Advanced Applications

1. CT Fluoroscopy
2. CT Perfusion
3. CT Cardiac
4. Integration to 3rd party Advanced Visualization System

Training

Technologist Training:

1. Initial Onsite Applications Training (minimum 4 days) – to be used 1 week prior to Go-Live for technologists
2. Go-Live onsite Applications Training (minimum 4 days) – to be used for technologists
3. Follow-up Onsite Applications Training (minimum 2 days) – to be used with the first 9 months from Go-Live for technologists
4. Offsite Training – for four Radiology technologists
5. Offsite Training Travel Package – for four Radiology technologists (Lodging/Meals/Transportation)

Physician Training:

1. Go-Live onsite Applications Training (minimum 4 days) – to be used for Physicians
2. Follow-up Onsite Applications (minimum 4 days) – to be used with the first 9 months from Go-Live for Physicians
3. Offsite Training – for two Physicians
4. Offsite Training Travel Package – for two Physicians (Lodging/Meals/Transportation)

Technical Training:

1. Technical Biomedical Engineering Training
2. Technical Biomedical Engineering Training Travel Package (Lodging/Meals/Transportation)

Support and other Documentation to Provide:

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS2 document
3. Provide information about your company's applications and technical 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.)
4. Provide information about your company's applications and technical support structure during after the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)

Trade in

Option 1 **ALL Hard Drives will be retained by the VA.**

EE: 75102

Manufacturer: Philips

Model: Brilliance 64

S/N: 10000

Acq. Year: November 2008