

Equipment Specifications
CT scanner – Sioux Falls VAMC – 618-B69055

VISN 23 is requesting 2 additional CT scanners that can deliver the best imaging at the lowest possible dose. This request is for one CT scanner (additional not replacement) to be located at the Sioux Falls VA - order number 618-B69055.

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. Gantry aperture $\geq 70\text{cm}$
3. 360 Degree rotation $\leq .35\text{ sec}$
4. Minimum number of samples per rotation (images, slices) ≥ 128
5. Display CTDIvol (dose) before scan
6. Display DLP (dose) after exposure
7. Automated ma regulation
8. Iterative reconstruction – both model and statistical based
9. Contrast timed injections (bolus chase)
10. Retrospective/prospective gated ECG Coronary CCTA
11. ECG Triggered scanning
12. ECG Monitor
13. 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
14. Medrad/Bayer Contrast Injector – Ceiling Mounted
15. 50cm Full Field Scan
16. Reconstruction of images > 24 per second
17. Dual Energy Scanning
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. Full articulation of the table
2. Patient weight capacity $\geq 500\text{ lb}$ 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. Of
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. Of
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)
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

None