

629-15-4-7224-0088

SLVHCS Radiology Ultrasound Salient Characteristics

Seven (7) Radiology Ultrasound systems

Forty (40) transducers that are compatible with the radiology ultrasound systems

One (1) Additional Clinical Training to be used after the first year of equipment use

Two (2) Biomedical Engineering Staff Trainings with Travel Costs (good for 2 years after award)

Radiology Ultrasound Salient Characteristics:

- Ergonomically adaptive features
- 17" or better high resolution color display
- Touch screen controls (optional)
- Keyboard and/or touchscreen keyboard
- Backup power supply for controlled shutdown during power loss
- Ability to power from a standard wall outlet
- Quick start up
- Lightweight and easy portability
- Multiple transducer ports
- Tissue harmonics and Pulse Inversion harmonic imaging
- Color Doppler and assisted Doppler vascular flow imaging
- Intrinsic noise and artifact reduction
- Perform elastography – both strain and shear wave
- Vascular software package
- Digital calipers
- Retrospective and prospective image capture
- Capable of generating utilization reports
- Easy access to internal parts for maintenance purposes
- On board image storage and image retrieval from PACS
- Interface with VistA imaging
- DICOM/HL7 compatible
- Ability to connect to the VA network through wireless communications (option)
- Must run on Windows 7 or newer operating system
- Onsite (3 day) applications training at time of initial install/go-live
- Onsite (1 day) clinical applications training after 1 year of use
- Two (2) Biomedical Engineering Staff Trainings with Travel Costs (good for 2 years after award)
- On-going clinical education for technologist(s) from the medical center via on-line, webinar, etc. (option)
- Clinical phone applications support for the technologist(s) from the medical center

- If applicable: Remote Access – The vendor shall provide, at no additional charge, any and all equipment service programs, such as remote diagnostics, during the warranty period. The vendor shall provide post-warranty remote diagnostic service program as an “Add Option” with the offer.
- Service and Operator Manuals – The vendor shall provide the following documentation for the proposed system:
 - Two (2) copies of operator’s instruction manuals per unit purchased
 - Two (2) copies of complete technical service manuals including detailed troubleshooting guides, necessary diagnostic software, service keys, schematic diagrams, and parts lists
 - Two (2) copies of a system manager’s manual outlining back-up procedures, managing privilege group limits, routine tasks, etc.

- Transducers/Probe Types (Requesting a total of 40 transducers):
 - All 7 units will have: (total 28 transducers for baseline machines; 1 of each transducer for all 7 units)
 - High frequency multi hertz linear array (4 MHz<=and>10 MHz or greater) for vascular
 - General abdomen probe multihertz (2 MHz<= and> 5 MHz)
 - Compact general purpose multihertz (4 MHz <= and > 6 MHz)
 - High frequency linear small parts multihertz (6 MHz<= and >12 MHz) MSK, ENT
 - 3 of the 7 units will also have: (total 9 transducers; 1 of each transducer for each of 3 units)
 - Multihertz transvaginal probe (Minimum 10-4 MHz)
 - Multihertz endocavity probe (prostate, etc.) with biopsy attachments (minimum 8-4 MHz)
 - Multihertz Curved broadband (5-1 MHz) deep penetration
 - Additional transducers: (total 3 transducers)
 - Small compact sector (2<=and>=5 MHz) TCD [1 of these]
 - High frequency compact linear (6 MHz=< and>=12 MHz) intra operative vascular/msk hockey stick [2 of these]