Cath Lab Specifications
(Single Plane System)

Technical Requirements

1. System
    a. Single Plane
    b. Ability to offer either floor and/or ceiling mounted systems
    c. High-capacity x-ray tube
    d. 80 kW Generator
    e. Flat Panel Detector (≤ 30cm x 40cm)
    f. 1 Large display monitor (56 inch or greater) with inputs for at least six sources
    g. Backup monitors (at least 2 each)
    h. Multiple options of high resolution image/data viewing configurations
    i. Rotational Acquisition
    j. Run-off capability
    k. Ceiling mounted radiation shield
    l. Staff Dose Display System
    m. Wireless headset intercom system
2. Table
    a. 500 lb weight limit (minimum)
    b. Ability to tilt cranial and caudal
    c. Multiple options for controls (i.e. foot, at tableside, etc.)
    d. Integrated ultrasound capability
    e. Remote control capabilities (i.e for exposure and monitors)
    f. Table must include arm rests for supine and prone procedures, including a head rest
    g. Mattress pad
    h. Table side floor mats that are specifically antimicrobial
3. Hardware/Software
    a. Operators console with expanded memory
    b. Workstation UPS for operators console
    c. Integrated System Shielding
       Soft and hard shutter shielding
       Filters necessary for radiation safety efficacy
    d. HL7 and necessary licenses for integration ancillary equipment
    e. Dose reduction features including fluoro save, pulse fluoro
    f. Software:
       Digital Subtraction Angiography
       Stenosis Measurement
       Vessel Analysis/Mapping
       Peripheral Angiography
    g. System UPS to maintain total system functionality for 10 minutes without facility power
    h. Power conditioner as recommended by vendor
    i. Patient Center items (audio sound system)
    j. Rubber lef filters
    k. Runs on Windows 7 or latest version
4. Interface Specifications
    a. Must be on the Vista Imaging Approved DICOM Modality Interface List
    b. Ability to interface with PACS

c. 3rd party post processing workstation integration
d. H7 integration/HIS/RIS (Worklist)
e. VPN/Remote access for service
f. Ability to interface with 3rd party integration system

Advanced Applications

1. Latest needle tracking, cryoablation software, and multi-modality software included
2. The ability to fuse images from CT, MRI and ultrasound
3. Software to aide with positioning of a needle using an ultrasound device
4. Cone Beam/3D image capable/CT-IR Imaging/Cross-beam for needle localization
5. Post processing workstation
6. Ability to integrate multiple modalities into the software/workstation of the IR unit
7. IVUS integration (Volcano)
8. Ability to do rotational imaging
9. Neuroradiological Software

Training

1. Off site – Basic Clinical Training for two technologists on main system to include tuition and travel
2. On site – Clinical Training for four physicians (minimum 24 hours)
3. On site Clinical Applications Training for technologists for startup (minimum 24 hours)
4. Follow up applications training to be performed after technologists have hands-on experience with the system
5. Off-site training for one Biomedical Engineering staff to include tuition and travel

Support and other Documentation to Provide

1. Provide DICOM Conformance Statement
2. Provide Completed Pre-Procurement Assessment form (6550) and MDS2 Document