

Brand Name or Equal Worksheet (“Salient Characteristics”) v 2.0

Brand Name Item: Precedence SPECT/SPECT-CT Processing and Reading Workstation Windows Upgrade

- Software must operate on Windows 7 or newer
- System must have the option to be configured with full MI processing capabilities or as a client-server system
 - This would allow access to reading capabilities on any network connected device
- Should integrate with existing RIS and PACS cameras
- System must have the option of PET functionality
- System must have the ability to support 10 concurrent users through the network simultaneously
- Must include Cedars Cardiac SPECT Suite and programs for evaluation of SPECT Myocardial Perfusion Imaging
- Must be equipped to read and process SPECT and SPECT-CT studies specifically for Nuclear Medicine
 - Must have the capability to diagnose and qualitatively assess coronary heart disease and perfusion.
- Cardiology viewing and processing capabilities must be able to calculate parameters:
 - Ejection fractions, volumes, wall motion, wall thickening, perfusion, eccentricity index, shape index
 - Should have the option to use DICOM compatible output which would include secondary capture files, result files, and ability to generate an AVI file format
- Viewing options should include gated slices, a motion frozen display, interactive 3D images, and polar maps
- Must be able to quickly and efficiently reconstruct studies with optimized workflow
- User displays should be configurable
- Must include an anti-glare panel surface 19 inch display or larger with at least a contrast ratio of 450:1 and a minimum of at least a 170 degree viewing angle
- Must include processing software for the following organ-based SPECT processing:
 - 3D Orientation
 - Image Fusion
 - General Reconstruction
 - Cardiac Autocardiac Activity Processing
 - Cardiac Planar Gated Blood Pool
 - Shunt Analysis
 - Lung Analysis
 - Thyroid Analysis
 - Renal Analysis
 - Gastric Emptying Analysis
 - Hepatobiliary
 - Brain Analysis
 - Image Manipulation
- Must include syngo MI workflows
- Must include the following reconstruction applications:
 - Flash3D
 - Scatter Correction
 - CT Attenuation Correction for general, cardiac and Planer ½ Time Imaging