Functional Requirements for SPECT Scanners

Technical Requirements

- Multi-Head Detector
- Variable Angle
- Cephalic & Caudal Tilt
- Field of View: ≥38 cm x 50 cm
- Patient Table Weight Limit: ≥400lbs
- Head Holder
- SPECT Armrest
- Patient Support Straps
- Persistence Scope
- System and Processing Computer UPS
- Internal ECG/Cardiac Gating
- Acquisition and Processing Capability at Console
- Hand Controller for Technologist
- Low Energy High Resolution Collimators (2)
- Medium Energy Collimators (2)
- DICOM Interface
- Runs on Windows 7 or latest version

Advanced Options & Applications

- Cardiac quantification program for SPECT myocardial perfusion
- Cardiac Planar Gated Blood Pool
- Shunt Analysis
- Lung Analysis
- Thyroid Analysis
- Renal Analysis
- Gastric Emptying Analysis
- Brain Analysis
- Liver Analysis
- Image Fusion

Quality Control

- Four Quadrant Bar Phantom
- Flood Source Holder
- Automatic and Manual Motion Correction

Clinical Applications

- Initial On-site Training for Technologist and Physicians: ≥32 hours
- SPECT Training Class for Technologist
- Phone support during warranty period

Support

- VPN connected remote service and applications support
- Applications support via phone during warranty and service coverage period
- On-site Field Service Engineer support of ≤ 4 hours
- Service Support via phone of ≤ 30 minutes
- One year warranty period for the SPECT System
- Extended 6 moths of warranty