High End CT Scan Specifications

Technical Requirements

- 360 degree rotation < 400 msc
- Minimum number of samples per rotation (images, slices) ≥ 256
- Display CTDIvol (dose) before scan
- Display DLP (dose) after exposure
- Advance Dose Regulation
- Detector width ≤ .625
- Automated Ma regulation
- Retrospective Gated ECG Scan
- ECG Triggered scanning
- ECG Monitor
- Contrast timed injections (bolus chase)
- Medrad injector interface
- 50cm Full Field Scan
- Patient weight capacity ≥ 440 lbs.
- Reconstruction of images < 24 per second
- HL7 integration (HIS/RIS)
- DICOM and IHE- Q/R, MWM, Storage commit SCU, MPPS
- Power conditioning as recommended by CT Scanner provider
- UPS to maintain total system functionality for 10 minutes without facility power
- Runs on Windows 7 or latest version

Advanced Applications

- CT Fluoroscopy
- CT Perfusion
- CT Cardiac
- CT Colonoscopy
- CT Lung Nodule
- CTA
- 3D Reconstruction
- Integration to 3rd party advanced visualization system

Training

- On-site or off-site clinical applications training for physician (2 physicians – tuition and travel)
- Pre-installation clinical education for technologists (2 technologists – tuition and travel)
- On-site clinical education for technologists training for go live (2 technologists)
- Follow up on-site clinical education training (72 hours)
- Full Biomed System training CT Image Review Server (2 engineers – tuition and travel)

Desired Items

- Bariatric Table
- Dual Energy Scanning
- Extended 6 months warranty