

VAMC OKLAHOMA CITY, OK
PO# 635-B36021

TRADE-IN INFORMATION FOR A
PHILIPS MEDICAL SYSTEMS MODEL
NUMBER; MX8000 IDT 16 SLICE.
PURCHASE DATE 28 APRIL 2004,
PURCHASE PRICE: \$ 1,007,500.00.

EQUIPMENT SUMMARY:

**AQUILION PRIME 80E FAST WHOLE
BODY CT SCANNER WITH AIDR 3D**

CT SCANNER AQUILION PRIME WITH
HIGH CAPACITY EXTENDED COUCH

CT PHANTOM

CHAIR WITH ADJUSTABLE ARMS AND
BACK (Qty 2)

MEDIA FOR DVD-RAM DRIVE (9.4 GB)
(Qty 5)

CABLE, CATEGORY 5E/RJ45 5M

CABLE, CATEGORY 5E/RJ45 35M

CONSOLE DESK 65" X 36" X 30"

SERVICE MODEM CABLE (Qty 2)

EQUIPMENT SUMMARY: (continued)

FLOOR LEVELING EPOXY KIT

DICOM 3 MODALITY WORKLIST
MANAGEMENT (MWM) SERVICE CLASS
USER (SCU) SYSTEM

DICOM 3 PERFORMED PROCEDURE STEP
SCU

PRESENTATION OF GROUPED
PROCEDURES (PGP) AND EXAM HARD
SPLIT

TOSHIBA POWER DISTRIBUTION UNIT

SURECARDIO WITH PHASEXACT &
PROSPECTIVE GATING FOR AQUILION
PRIME

ECG GATED SCANNING FOR AQUILION
PRIME

ECG MONITOR, R-WAVE TRIGGER

ROLL STAND FOR MODEL 3000

SUREFLUORO: CT FLUORO KIT WITH
FLAT-PANEL MONITOR

CT FLUOROSCOPY

LCD MONITOR 19" FOR FLUOROSCOPY
REMOTE VIEWING-ONLY FOR
SUREFLUORO

NEEDLE HOLDER KIT FOR CT
FLUOROSCOPY

- *For SureFluoro*

FLUOROSCOPY STERILIZATION KIT FOR
AQUILION-4 THROUGH AQUILION ONE

SURESUBTRACTION FOR AQUILION

ADDITIONAL ON-SITE APPLICATIONS
TRAINING - 32 HOURS

BTL ACCRUED BIOMED TRAINING

MEDRAD STELLANT® D OCS DUAL FLOW
INJECTOR

LCD MONITOR 19" FOR FLUOROSCOPY
REMOTE VIEWING-ONLY FOR
SUREFLUORO

- *Only for SureFluoro*

Special Information & Terms

- This quotation/order will be subjected to the Agreement for Computed Tomography equipment products between Government and Toshiba America Medical Systems, Inc., Reference contract no. SPM2D1-09-D-8322/V797P-6033(b).
- Includes 12 month Service Warranty.

The Bio Med training course must be completed twelve (12) months from equipment installation date (or purchase date if sold separately). If training is not completed within the applicable time period then the obligation to provide this course will expire without refund.

AQUILION PRIME 80E FAST WHOLE BODY CT SCANNER WITH AIDR 3D

The Aquilion PRIME 80/ e Series, with Adaptive Iterative Dose Reduction 3D (AIDR 3D), is the latest addition to the ONE family of CT scanners with the technology of the Aquilion™ ONE built in. It includes Aquilion's best-in-class, 0.5 mm detector elements with a new 40 channel quantum detector covering of up to 40 mm of anatomy every 350 msec. rotation using 1mm collimation.

Aquilion PRIME 80/e Series is capable of reconstructing 80 unique slices with every rotation of the gantry and incorporates a host of ergonomic and automated features to streamline productivity and deliver the highest quality images while lowering radiation dose. Aquilion PRIME 80/E Series accomplishes this by integrating Toshiba's proprietary coneXact algorithms found on the Aquilion ONE.

Aquilion PRIME 80/e Series also achieves consistently superior image quality with industry-leading, low-contrast resolution of 2 mm at 0.3% and high-contrast resolution of 0.35 mm. The ability to scan at 40x0.5 mm or 40x1 mm enhances clinical capabilities for all CT exams and all patients.

The speed and clinical accuracy of this technology offers significant benefits to patients – especially trauma, pediatric and critically ill patients. This technology enables physicians to more clearly visualize internal injuries and disease in less time.

Ultra-Fast Workflow with Patient Comfort

The Aquilion PRIME 80/e Series boosts productivity with fast scan and image reconstruction times of up to 30 fps while offering comfort features for patients of all sizes.

From the iStation video of a child giving instructions for pediatric patients to the wide bore (78 cm) and large table capacity (660 lbs) for scanning large patients, Aquilion PRIME 80/e Series makes exams easier for all patients.

The routine fast scans made possible by the 40-channel detector also mean short breath-holds. With a suite of SURE^{TECH} Technologies for real-time imaging, even CTA exams are fast and provide motion-free coronary artery images.

DOSE-REDUCTION FEATURES

Aquilion PRIME 80/e Series ensures delivery of the best possible image quality at the lowest possible dose, reinforcing Toshiba's guiding principle of ALARA for every patient. To achieve this, Aquilion PRIME 80/e Series has an array of adaptive and integrated dose-reduction strategies that are implemented at every stage, from patient registration to image reconstruction. In addition, patient dose reduction is integrated into the console software, so it activates prior to turning on the x-ray beam.

Active Collimation

Active collimation synchronizes the width of the x-ray beam at the ends of the scan range to the clinically useful area needed for image reconstruction. By eliminating exposure that is not used for diagnosis, patient dose is reduced.

Adaptive Iterative Dose Reduction 3D (AIDR 3D)

AIDR 3D is the third generation in the evolution of Toshiba's iterative reconstruction technology. AIDR 3D is an iterative algorithm in which noise is removed from the original data, the results analyzed, and the process repeated until the target level of noise-reduction is achieved. This iterative algorithm is superior in removing background noise while preserving diagnostic information compared to non-iterative approaches.

AIDR 3D can be integrated into all acquisition modes for routine clinical use and is able to remove image noise resulting in dose reduction. This feature, a \$150,000 value, is included in each Aquilion PRIME 80/e Series at no additional charge.

Quantum De-Noising Software - QDS (Adaptive Noise Reduction)

Toshiba's quantum de-noising software is an adaptive noise-reduction algorithm that works in the image data space. It smoothes areas of uniform density while preserving the information at the edge of the image.

SUREExposure3D (x, y, z automated mA modulation software)

Toshiba's SUREExposure3D software automatically adjusts the mAs based on patient anatomy to adapt to and compensate for changes in attenuation level.

Boost3D

Boost3D is an adaptive, three-dimensional algorithm that virtually eliminates degradation of image quality due to highly attenuating anatomical structures, such as the pelvis or shoulders.

NEMA XR-25 Dose Check

Aquilion PRIME 80/E Series includes the National Electrical Manufacturers Association (NEMA) XR-25 dose check software, which includes dose alert and dose notification.

DICOM IHE SR

Aquilion PRIME 80/e Series also integrates with DICOM IHE SR software to allow patient-dose tracking.

COMPONENTS

- Large-aperture 78 cm, slip-ring gantry
- High-power 72 kW x-ray generator and tube
- 660 lb high-capacity couch
- Ergonomic operator controls
- 3-D and 4-D software for display console
- High-capacity hard disks
- Image data transfer link
- Custom patient table pad and positioning accessories
- Operator manuals and quality-assurance phantoms

KEY FEATURES

Easily Upgradeable

The Aquilion PRIME 80/e Series proven platform is easily upgradeable to the PRIME 160 Series when your facility is ready without purchasing a new system or making additional, extensive renovations. This scalable configuration gives you more flexibility to respond to demands for improving care and lowering costs.

The on-site upgrade will allow 160 slice reconstruction using 0.5 mm x 80 detector row acquisition. This ability to perform a simple field upgrade, with no additional siting costs, reduces down time and revenue loss associated with new installations. In addition, productivity improvements are assured over time with the availability of continuous software enhancements from Toshiba.

Double-Slice Technology

Using Toshiba's proprietary coneXact algorithm, the Aquilion PRIME 80/e Series reconstructs 80 unique images per axial scan, enabling volume reconstruction in double density.

Aquilion PRIME 80/e Series achieves this by first reconstructing data sets as a volume, then using information from oblique, cone-angle projections to extract distinct axial slices in between detector planes without resorting to interpolation or upsampling.

Clinical benefits include:

- More true-to-original reconstruction in MPR and 3-D rendered images
- Increased detail in the z-direction, which is ideal for IAC and extremities
- Reduction of partial-volume effects leading to more detailed images while maintaining superior low-contrast detectability
- Dynamic study capability
- Increased storage capacity to a maximum of 500,000 images

Routine Fast Scanning

Patients benefit from the extremely short exam times. In just 350 milliseconds, the scanner reconstructs 80 slices per rotation.

Aquilion PRIME 80/E Series is capable of performing low-dose cardiac exams using ^{SURE}Cardio prospective-scan mode with 350 msec gantry rotations providing motion-free coronary artery images. Fast scan acquisition can also be used to meet the demands of helical CTA examinations for vascular imaging.

Optimal Space Utilization

The Aquilion PRIME 80/E Series has only four main components: gantry, couch, console and transformer. The recommended minimum CT room size is only 27 square meters.

SURETechnologies

Improve workflow with real-time imaging, which provides the ability to view a scan at 12 frames per second (512x512) during the acquisition. This allows the operator to rapidly assess if additional images are needed.

The following are standard features on Aquilion PRIME 80/E Series:

- **SUREExposure** – Dose modulation based on scanogram
- **SUREStart** – Real-time contrast detection at 12 fps. With **SUREStart** there is no need to perform a timing bolus, saving up to 30 cc's of contrast.

Easy Operation

Aquilion PRIME 80/E Series is easy to operate using the 19-inch LCD monitor, mouse and ergonomic keyboard. Scan automatically by programming procedures with eXam Plan and vocal instructions through VoiceLink™.

EQUIPMENT COMPONENTS

eVolution Gantry with iStation

The philosophy behind eVolution is to build medical imaging equipment with less energy and more recycled materials leading to a much more environmentally 'green' platform.

iStation

The iStation is a 12-inch LCD screen that uses video and voice prompts to ensure patient compliance during scanning. This is especially useful during pediatric scanning as the iStation displays a video of a small child that tells the patient when to raise their arms, when to hold their breath, and so on. These child-friendly instructions, coming from a child figure helps assure compliance.

iStation also allows the user to visualize the patient's ECG waveform when acquiring ECG-gated exams.

eVolution Gantry

The eVolution gantry is the world's most eco-friendly gantry design, built using 30% less energy than standard, multi-slice CTs.

- Hybrid slip-ring technology conserves unused electricity
- Self-cleaning system reduces the frequency of preventive maintenance and associated scheduling issues
- Gantry tilts ± 22 degrees
- Large aperture: 78 cm
- Five scan fields of view
- Wide range of scan times provides greater flexibility for optimal image quality

Couch

The eVolution couch is patient-friendly for the largest or smallest of patients with easy access and comfort. This patient couch provides a 47 cm wide, metal-free couch top with increased scan range and load capacity.

- Longitudinal scan range: 2000 mm (1,500 mm for short couch version)
- Load capacity: Minimum couch-top level: 33 cm from the floor, facilitating the easier transfer of a patient from a wheel chair or low stretcher
- AutoSet/ AutoHome facilitates efficient patient removal:
 - Automates gantry tilt and couch movements, together, with the push of a button
 - Controls the couch remotely from the control-room console

Console – Acquire and Display

- Powerful, ergonomic console computer handles display, image feed, filming and transferring multi-planar reconstructions with the same interface used for axial images.
- Capable of true simultaneous scanning, retrieving, archiving and filming without interruption using the optional second console. This is a genuine multi-tasking system for multi-slice and volume data sets.
- Powerful reconstruction tower with CPUs and hard drives with RAID 5 controllers.
- Includes user-friendly keyboard, mouse, monitor, CPU cabinet/reconstruction enclosure.

MegaCool™ X-ray Tube

This compact, high-performance tube is designed to minimize tube-cooling delays with heavy patient loads at all scan times. It was built on the proven, anode-grounded, MegaCool tube technology used on every Aquilion multi-slice CT.

Other features include:

- Dual focal spots
- Anode capacity of 7.5 MHU
- Dissipation rate of 1,386 kHU per minute maximum

Quantum V Detectors and DAS

- Unique Toshiba ceramic, solid-state detector array and DAS
- Ultra-fast DAS to acquire large-volume data
- 35,840 element solid-state detector array with 0.5 mm detector rows
- Low-contrast resolution of 2 mm at 0.3% with 18.6 mGy (with AIDR 3D)
- View rate of 2,572 views per second

High-Power Generator

Robust, high-voltage circuits generate 72 kW of power and 600 mA. This provides support for the 7.5 MHU x-ray tube and allows helical scans of up to 100 seconds with a metal-free scan range of up to 2000 mm.

Multiple kV Selections: 80, 100, 120 and 135 kV.

NETWORKING

DICOM 3.0 Modality Worklist Management

- Enter patient information at the time of exam manually or import it via a Modality Worklist Management query.
- On-line patient appointment file management.

DICOM 3.0 Performed Procedure Step SCU

Works in tandem with Modality Worklist Management to provide exam information to an RIS that supports DICOM MPPS (SCP).

Enhanced DICOM 3.0

Allows up to 60 images per second transfer capability from the Aquilion console using the new DICOM standard.

DICOM 3.0 Presentation of Grouped Procedures (PGP) and Study Split

PGP is an Integrated Health Enterprise (IHE) standard designed specifically with multiple examination orders (Requested Procedures) that can be performed in single CT examination.

- Provides preset and automatic transfer solutions for multiple exams from a single CT exam.
- Facilitates clinical viewing of images and reporting of individual requested procedures.
- Use with PACS systems that are IHE PGP compliant.
- Use the study split option for PACS systems that are not yet IHE PGP compliant to physically split images into multiple examinations.

DICOM 3.0 (Storage SCU)

Allows the CT scanner to export images onto a network.

- Includes software only.
- Uses pre-existing Ethernet ports on the CT scanner to connect to a coax-Ethernet-based network running TCP-IP communication protocols.
- Can set the system to automatically transfer images to the network after an exam is complete.

DICOM 3.0 Query/Retrieve Service Class Provider (SCP)

Allows a Storage Class User (SCU) to query the SCP device to retrieve patient, study, series and/or image information in conformance with the DICOM 3.0 standard.

DICOM 3.0 (Print SCU)

Allows the CT scanner to send image data that has been acquired and reconstructed to a film imager for printing via Ethernet in conformance with DICOM 3.0 standards.

Image Display

- Display in multiple formats ranging from 1 to 16
- Overlay an inset scanogram for quick reference marking
- Add, subtract, rotate or filter images
- Adjust window width and level non-linearly, accommodating up to six built-in curves and six user-defined curves

HELICAL SCAN & FUNCTIONALITY

MultiView

Built into protocol for fast multi-planar reconstruction in batch mode specifically for multi-slice data sets. Coronal, sagittal and axial images are created and displayed for immediate viewing.

3-D Imaging on Console

Provides excellent image quality with surface-shaded renderings and volume-rendered 3-D images. Provides zooming and panning over the 3-D surface and performs distance measurements.

Other features include:

- Easy 3-D
- Bone removal
- Maximum intensity projection (MIP)
- Minimum intensity projection
- Intensity volume rendering

Quantitative Analysis

- Profile display of CT numbers along a selected line in the axial plane
- Distance measurement and display
- CT number display
- Histogram display

eXam Plan Protocols

- 600+ eXam plan protocols that can be adjusted while scanning
- Four preset reconstructions

Archiving

- Can be automated with each eXam plan
- Raw data and image data can be protected to prevent deletion

Filming

- Auto filming can be set as part of the eXam plan
- Images are displayed in 512x512 or 1024x1024

CUSTOMER CARE SERVICES

Developed with customer input, Toshiba's innovative support programs have resulted in increased customer satisfaction. These include the following:

InTouch Center®

This centralized service facility provides applications and service support for customers 24 hours a day, seven days a week.

InnerVision™ Plus

Remote system diagnostics are available around-the-clock to help identify problems and provide potential solutions before care is interrupted or an engineer can arrive.

InTouch Agreements

Based on customer needs, InTouch customer agreements can range from an a-la-carte approach to full-security agreements that provide complete system protection.

Technical Assistance

Customer support specialists are available 24/7 to help resolve technical issues in real time. Application support specialists are also available to assist staff with protocol and image-quality issues.

Local Customer Teams

A single call mobilizes a local team of Toshiba customer engineers. With an average of 10 years of Toshiba experience and 105 hours of specialized training, they can resolve almost any performance issue.

Parts Support

A complete inventory of product parts is ready for shipment when and where they are needed, any time of day or night.

Image Maker Express

The Image Maker Express is an online marketing resource designed exclusively for Toshiba customers that helps create outreach programs to generate awareness about imaging services.

- Includes positioning and messaging guides to help you strategize your communications efforts and tactics
- Contains product information, ready-to-use collaterals, and ideas for creating custom materials to promote new imaging capabilities

Image Maker Express gives you access to:

- Product images
- Clinical images
- PowerPoint presentations
- Sample brochures
- Sample press releases
- Marketing strategy tutorials
- Tips on effective presentations

APPLICATION TRAINING

Each system includes three phases of education using a customized approach.

- **Phase I Training:** Two vouchers for a one-week intensive course for core trainers at the Toshiba Institute of Advanced Imaging in Irvine, California, using the most advanced education approach in the industry.
 - Two attendance vouchers good for course and travel expenses provided with each system. One technologist must attend prior to system installation. The second voucher is valid for six months following installation.
 - Accredited for continuing education by the ASRT Education Foundation.
 - Additional vouchers available for purchase.
- **Phase II Training:** 32 hours (one weeks) of on-site training at the customer's facility by two applications specialists, one dedicated to technologists and the other to physicians.
 - Training for up to four technologists.
 - Technologist who attends the Phase I course must attend Phase II.
- **Phase III Training:** 32 hours (one week) of follow-up training
 - On-site at client facility
 - Approximately 8-10 weeks after Phase II training
 - Toshiba recommends follow-up training within 6 months of installation for maximum benefit

Applications support is available by phone on the toll-free ASSIST line.

COMPONENT SUMMARY:

CT SCANNER AQUILION PRIME WITH HIGH CAPACITY EXTENDED COUCH

CT PHANTOM

Measures image quality to ensure compliance to Toshiba standards for:

- High-contrast resolution
- Low-contrast resolution
- Slice thickness
- Noise
- Contrast scale

CHAIR WITH ADJUSTABLE ARMS AND BACK (Qty 2)

MEDIA FOR DVD-RAM DRIVE (9.4 GB) (Qty 5)

9.4 GB Removable Cartridge Media for DVD-RAM Drive.

- Type 4, Double-sided
- 3x Speed

CABLE, CATEGORY 5E/RJ45 5M

CABLE, CATEGORY 5E/RJ45 35M

CONSOLE DESK 65" X 36" X 30"

Measures 65" x 36" x 30"

SERVICE MODEM CABLE (Qty 2)

FLOOR LEVELING EPOXY KIT

DICOM 3 MODALITY WORKLIST MANAGEMENT (MWM) SERVICE CLASS USER (SCU) SYSTEM

Allows the CT system to obtain details of patients and scheduled examinations electronically from the HIS/RIS system, avoiding the potential mistakes of manual entry.

Note: This option does not include a DICOM gateway for the HIS/RIS system.

DICOM 3 PERFORMED PROCEDURE STEP SCU

In combination with COT-32D (MWM), MPPS provides notification of the start and end of the examination back to an RIS that supports DICOM MPPS (SCP). Exam record and patient information can also be sent to the RIS.

PRESENTATION OF GROUPED PROCEDURES (PGP) AND EXAM HARD SPLIT

PGP is an Integrated Health Enterprise (IHE) standard designed specifically with multiple examination orders (Requested Procedures) that can be performed in a single CT examination.

- Provides preset and automatic transfer solutions for multiple exams from a single CT exam.
- Facilitates clinical viewing of images and reporting of individual requested procedures.
- Use with PACS systems that are IHE PGP compliant.
- Use the study split option for PACS systems that are not yet IHE PGP compliant to physically split images into multiple examinations.

TOSHIBA POWER DISTRIBUTION UNIT

The PDU is engineered to address common power problems found in the hospital environment and to isolate the CT system components to meet IEC 60601-1 Third Edition requirements. This is important to assure optimal reliability and performance of CT systems. Customer is responsible for complying with Toshiba's site specifications for electrical power.

This device provides most of the electrical site preparation requirements of Toshiba CT systems. The PDU contains a low impedance isolation step-down transformer with a shielding plate between primary and secondary.

Voltage Conversion

Wiring costs are significantly reduced since the PDU accepts a single, 480V delta input, supplying 200V to the generator and the various other parts of the system.

Distribution

The PDU comes prepackaged with the distribution breakers needed for each system feed. Having all system breakers in one location also makes it easier for service personnel to remove power.

Installation

Installation is much faster, more predictable, and less expensive with a factory-assembled and tested system.

SURECARDIO WITH PHASEXACT & PROSPECTIVE GATING FOR AQUILION PRIME

Provides a comprehensive package of hardware and software for advanced cardiac imaging, including phaseXact and prospective/retrospective gating for ultra-low-dose coronary imaging.

SURECardio with Prospective Gating

Provides low dose to the patient for evaluation of calcified plaque.

Prospective cardiac CTA mode offers further flexibility to the Target CTA low-dose protocol.

SURECardio with phaseXact

Eliminates the need for unnecessary multiple reconstructions by automatically selecting the cardiac phase with the least motion. With the combinations of 350 msec rotation time and up to five SURECardio adaptive segmented reconstructions, the temporal resolution can be as low as 35 ms.

In addition:

- The reconstructed images for specific (cardiac) phases are generated (by raw data processing) from the Aquilion PRIME scan data acquired simultaneously by the ECG-gated scan system.
- Real-time beat control monitors R-R interval to assure diagnostic cardiac images even with challenging patients.

SURECardio's Automated Feature Set

Simplifies cardiac protocol setup and improves workflow.

ECG GATED SCANNING FOR AQUILION PRIME

Acquires images for specific cardiac phases. Includes:

- ECG-gated helical scanning and reconstruction with dose modulation and arrhythmia rejection.
- phaseXact: automatically detects cardiac phases with minimal motion to perform reconstruction.
- SURECardio Prospective: sets helical pitch and ECG dose modulation based on ECG/heart rate.

Prerequisites: MODEL-3000T-B or MODEL-3000TR-B ECG monitor with trigger.

ECG MONITOR, R-WAVE TRIGGER

- Compact ECG monitor with fast gated trigger output for R-wave synchronization applications
- 6.5" Color LCD Display (TFT Active Matrix)
- Integrated ECG simulator to test the integrity of the patient cables, lead wires, and electronic circuitry.

ROLL STAND FOR MODEL 3000

SUREFLUORO: CT FLUORO KIT WITH FLAT-PANEL MONITOR

The CT Fluoroscopy option provides the ability for continuous imaging during interventional procedures.

- Single image viewing rate is 8 fps in a 512 matrix.
- All operations are performed by an operator at tableside. The operator is able to control table movement, gantry movement, and X-ray exposure while observing the progress of the procedure.
- The pistol-grip control handle initiates fluoro with an index finger trigger and the table motion is controlled by a thumb switch.
- Reconstructed images are displayed on a high line rate in-room monitor as they are acquired.
- The *last-image hold* feature maintains the latest image while the beam is switched off.

This option can greatly improve CT scanner productivity for biopsies and percutaneous therapy by speeding the procedures and allowing small targets close to critical structures to be accurately and safely approached.

Patient dose is kept within reasonable levels by using low tube currents. A complimentary biopsy needle holder is provided so the operator can manipulate a needle while X-rays are "ON" without exposing extremities to the primary X-ray beam.

Contents:

- In-room control console and stand
- X-ray on/off footswitch
- CT Fluoro biopsy tool kit
 - Biopsy needle insertion guide holder
 - Syringe clamp
- Aspire CI: CT Fluoro software
- Hardware interfaces and electronics

CT FLUOROSCOPY

SUREFluoro CT fluoroscopy provides the ability for continuous imaging during interventional procedures and greatly improves productivity for biopsies and percutaneous therapy. Patient dose is kept within reasonable levels by using low tube currents.

Prerequisite: CT Fluoroscopy & Monitor

LCD MONITOR 19" FOR FLUOROSCOPY REMOTE VIEWING-ONLY FOR SUREFLUORO

Simultaneously displays the same images as those on the main console to assist in needle placement.

Includes:

- Flat-panel, image-display unit
- Video cables (30 m)
- Manuals
- Resolution controller
- Multiplexer

Prerequisite: CT Fluoroscopy

NEEDLE HOLDER KIT FOR CT FLUOROSCOPY

- For SureFluoro

Allows users to keep their hands outside the primary X-ray beam while inserting a biopsy needle under CT fluoroscopic guidance.

FLUOROSCOPY STERILIZATION KIT FOR AQUILION-4 THROUGH AQUILION ONE

Fluoroscopy Sterilization Kit for Aquilion 4 -ONE

Includes ten (10) sterile CT hyper handle drapes and ten (10) non-sterile gantry aperture drapes.

SURESUBTRACTION FOR AQUILION

This neurovascular CT digital subtraction angiography (CT DSA) software, with ^{SURE}Subtraction Carotid, improves workflow and enhances diagnostic accuracy through greater image clarity. This fully automated non-rigid registration algorithm digitally subtracts bone from the intra- and extra-cranial vessels including carotid vessels providing superior clinical images in a fraction of the time required for manual subtraction.

Enhanced Diagnostics

- Subtraction volume is completely free of bone, providing unsurpassed subtraction CTA studies of the brain and neck
- ^{SURE}Subtraction Carotid– provides superior visualization of the vertebral arteries internal and external carotids
- Easily achieves arterial and venous segmentation
- In just seconds, creates 3DVR and MIP images with 360° left-to-right and head-over-heels tumble views

Enhanced Workflow

- Less than 5 minutes to load, process and display images
- Subtracted dataset is still in DICOM format
- Maximize productivity with programmable features
- Streamline patient throughput with a simple 3-step process
- No special head immobilization required

Note: SURE Subtraction Carotid requires V4.74 or later

ADDITIONAL ON-SITE APPLICATIONS TRAINING - 32 HOURS

- Four (4) consecutive days (32 hours) additional on-site applications support for all modalities.
- \$7,000 (trainer's expenses included)
- Training is held Monday through Friday only, with Monday mornings and Friday afternoons scheduled as travel time for trainers

BTL ACCRUED BIOMED TRAINING

MEDRAD STELLANT® D OCS DUAL FLOW INJECTOR

Ceiling mounted Stellant D CT injector is a full-featured, dual syringe injection system that enables clinicians to perform the most critical contrast enhanced CT exams.

Stellant D CT injector

Key features:

- Dual-syringe design for the most complicated protocols such as CTA and cardiac CT
- Effective contrast utilization
- Saline test injection for more precise control of contrast delivery
- Saline flush, following the injection, chases contrast from peripheral veins directly into the heart

Dual Flow Injection

Key features:

- Designed with CTA exams and Cardiac CT
- Effective contrast utilization
- Inject contrast and saline at a measured ratio through simultaneous plunger motion.
- This means a more uniform enhancement of both the right and left sides of the heart with reduced artifacts.

LCD MONITOR 19" FOR FLUOROSCOPY REMOTE VIEWING-ONLY FOR SUREFLUORO

- Only for SureFluoro

Simultaneously displays the same images as those on the main console to assist in needle placement.

Includes:

- Flat-panel, image-display unit
- Video cables (30 m)
- Manuals
- Resolution controller
- Multiplexer

Prerequisite: CT Fluoroscopy