

RECEIVING WHSE B58033
V.A. Medical Center
VA MEDICAL CENTER
650 E INDIAN SCHOOL
PHOENIX, AZ 85012

Qty

Item Description

1

Artis Q biplane BC Interv. Rad.

Artis Q biplane for interventional radiology.

The Artis Q product line is setting new standards in interventional imaging.

The Artis Q biplane with PURE(r) for interventional radiology adds smooth interaction to Siemens' smart technologies. It boosts productivity and enhances outcomes, while increasing image quality and further reducing dose.

The GIGALIX X-ray tube concentrates high pulse power on small, square-shaped focal spots (flat emitter technology for all focal spots). This provides unprecedented image quality for confidence in challenging situations.

Imaging two projections simultaneously saves time and contrast. With the floor or ceiling-mounted stand full patient coverage is achievable.

The patient table is fitted with a freely movable patient positioning tabletop.

The as40HDR and as20 flat detectors are optimized for radiology and allow for steep angulations.

Digital acquisition technology and digital subtraction angiography with up to 7.5 f/s in 1k matrix are available.

The complete CARE+CLEAR package offers optimal image quality at the lowest reasonable dose.

Live and reference images are displayed on four 19" flat screens in the exam room. In the control room live images are displayed on two additional screens.

1

Head-end table tilting

Motorized tilt and stepping of the patient table in longitudinal direction for electrophysiological or peripheral examinations, for example, as well as for stabilizing a patient. Includes a power-assisted tabletop control module.

Notes:

Table tilting reduces the maximum patient weight to 200 kg. As before however, it is possible to install up to 40 kg of additional accessories.

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	Note: It is mandatory to provide UPS back up with this table option in order to comply with IEC 60601-2-43 CL. 201.15.101. Reason: In the event of power failure a neutral table position suitable for CPR must be reachable within 15 seconds. Please include a suitable UPS from Siemens as required or make sure any existing / planned UPS provision for your installation site will satisfy the requirement
1	PERISTEPPING / PERIVISION Motorized stepping for real-time bolus chasing. Gantry stepping with zeego and ceiling mounted systems, table stepping with floor mounted and biplane systems. Peripheral digital angiography with stepping and online subtraction display.
1	FD as40HDR (B) ANGIO/SUR ins as20 Enlarging your field of view When ordering this flat detector, the following components of the basic configuration <ul style="list-style-type: none"> - as20 flat detector - Cardiac collimator in plane B has been replaced by <ul style="list-style-type: none"> - as40HDR flat detector - Angio collimator
1	2K acquisition Acquisition and storage of single images and series with a resolution of up to 4.76 megapixels (2480 x 1920) at up to 7.5 f/s. The 2k acquisition is valid for DR, DSA, 3D acquisitions and PERIVISION, and affects full format, Zoom 1, and Zoom 2.
1	Laser crosshairs Laser crosshairs integrated in the cover of the flat detector and tableside operation for easier, quicker and dose-saving positioning of the patient.
1	DYNAVISON DSA/DR Native or subtracted digital rotational angiography with angle triggering.
1	narrow TT thin mat. ins. of std. TT Narrow-shaped carbon fiber patient positioning tabletop with head-end recess, ideal for cardiological applications. Tabletop tapered in the thorax area for maximum freedom of C-arm angulation. Matching the narrow tabletop, special-foam mattress, 4 cm, made of open-pore polyurethane material and a latex-free cover. Note: The narrow patient positioning tabletop with the thin mattress replaces the wide tabletop, including mattress, described in the basic configuration.
1	8P wireless footswitch ins. of cbl For release of fluoroscopy, exposure and table brake, roadmap selection and mask reset as well as a configurable additional function. Note: This 8-pedal wireless footswitch replaces the 8-pedal footswitch described in the basic configuration.
1	syngo interv. Oncology Engine Pro A workstation for reconstruction, post-processing and handling of 3D information including specific applications for interventional oncology. The package includes the following functionalities: 3D high-contrast and CT-like soft-tissue imaging (syngo DynaCT), 3D functional imaging providing physiologic blood volume information (syngo DynaPBV)

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	Body), 3D roadmap for dynamic overlay of planning data and 3D volumes on live fluoroscopy, 3D/3D fusion functionality for integration of pre-interventional 3D datasets, Workflow support for embolization and needle guidance, extended visualization (e.g. DSA) and post-processing of 2D images or scenes on the XWP (Angio Viewer) incl. 2D functional imaging for visualization of blood flow characteristics (syngo iFlow) and side-by-side comparison of images or scenes (Scene Compare), in-room control for table-side operation of advanced applications, Expert-i functionality for remote operation of the XWP. Only for PURE systems, the package also includes: 3D Wizard for expert step-by-step guidance in 3D acquisition, Parallel patient processing capabilities, Fusion of pre-interventional 3D datasets based on 2 projections (2D/3D Fusion), Marking of points or lines on the 3D geometry or MPRs and overlay of these markings on live fluoroscopy.
1	syngo DynaCT Micro Enables unique detail resolution (+40%) in interventional 3D imaging by using all detector pixels in a 22 cm image size with reduced dose. As a result, the smallest structures such as Cochlear implants or stents can be displayed in the best possible manner.
1	Sensis Hemo Information and registration system including database for all hemodynamic examinations in the cardiac cath lab.
1	ECG radiolucent cable Complete ECG accessory kit, radiolucent.
1	Starter kit CO Thermo (N) The starter kit includes necessary accessories for Thermodilution Cardiac Output measurements.
1	Respiration Option The respiration module measures and presents the respiratory frequency of adults and children in combination with Sensis. not available in the European Union after June 2014 (due to RoHS)
1	Respiration Starter Kit adults Respiration starterkit for adult.
1	Artis IF SW Data + Remote Control Bi-directional communication between Artis and Sensis.
1	2 21" col display (CR) ins of 2x19" Upgrade to two 21" color displays for the control room with resolution of 1600 x 1200 (pixel) for EP and hemo applications. Note: Replaces the two 19" displays in control room in the base configuration
1	Laser printer PostScript laser printer. For Ethernet connection. Including: Power cable, documentation.
1	DICOM HIS/RIS Worklist Import of patient/examination data from an external RIS/HIS patient management system with DICOM MWL (Modality Worklist).
1	DICOM MPPS license Feedback of examination status via DICOM MPPS (Modality Performed Procedure Step) to an external RIS/HIS patient management system.
1	Vital signs alarms Configurable alarms for vital parameters HF, SPO2, NBP, respiratory rate/etCO2 and mean value of invasive arterial pressure during the examination.
1	Sensis Documentation + Reporting The Sensis Information System Documentation+Reporting SW Master package assists the cardiologists, cardiac nurses, technologists and catheterization lab managers with comprehensive data access and workflow-oriented tools in their daily reporting and administrative tasks.

PRELIMINARY PROPOSAL

Qty	Item Description
1	Nurse Workstation The Sensis Nurse Workstation provides a second workspace in the examination room. Requires SW version VC12 or higher.
1	Sensis UPS Uninterruptible power supply with battery mode. The UPS enables the supply of power to the Sensis System in the event of line voltage fluctuations and brief power failures.
1	Barcode Reader Kit, wireless The mobile barcode reader enables the automatic input of coded materials used in the cardiac cath lab. The read data is radio-transmitted to the Sensis system.
1	Report WS SW license 1-3 The Sensis Report WS package assists cardiologists, cardiac nurses, technologists and catheterization lab managers with comprehensive data access and workflow-oriented functions in their daily reporting and administrative tasks. The Sensis Report WS package offers Sensis information system functions for PCs provided by the customer. 1 license, price graduation 1-3.
1	Barcode Reader Kit, wireless The mobile barcode reader enables the automatic input of coded materials used in the cardiac cath lab. The read data is radio-transmitted to the Sensis system.
1	Initial onsite training 32 hrs Sensis XP Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	Addl onsite training 32 hours Sensis XP Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	Govt Tr CIs (T&L not included) Sensis XP Tuition for (1) government attendee to attend a classroom course of choice at one of the Siemens training centers. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	Sensis Unit Tracking
1	Standard Rigging Sensis
1	Vascular analysis Vessel analysis with determination of degree of stenosis, distance measurement and calibration.
1	Fluoro Loop Storage and display of dynamic fluoroscopic sequences (Fluoro Loop), for both planes. This saves an additional acquisition and reduces dose. The maximum storable fluoroscopic time depends on the selected pulse rate, e.g. 34 s at 30 p/s, 68 s at 15 p/s.
1	Automap Automatic stand positioning depending on the selected reference image and automatic reference image selection depending on the stand positioning.
1	MULTISPACE.F Manual stand rotation for additional work positions.

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1	<p>DICOM RIS-Modality Worklist</p> <p>Import of patient/examination data from an external RIS/HIS patient management system with DICOM MWL (Modality Worklist).</p>
1	<p>DICOM MPPS</p> <p>Feedback of examination status via DICOM MPPS (Modality Performed Procedure Step) to an external RIS/HIS patient management system.</p> <p>Data such as the dose-area product can be transferred to the RIS.</p>
1	<p>DICOM Print</p> <p>Provision of DICOM Print service for connection to a laser camera or a network printer (postscript-capable).</p>
1	<p>Lower body radiation protection</p> <p>This radiation shield protects the user from scattered radiation when standing at the table side. It can be attached to the accessory rails either on the right or on the left side of the patient positioning table.</p> <p>It provides the user an additional accessory rail.</p> <p>It includes a basic unit (71.5 cm x 75 cm/ 28.2" x 29.5" (l x w); 7.7 kg/ 16.98 lb), one lower body radiation protection pivot swivel element (77 cm x 48 cm/ 30.3" x 18.9" (l x w); 3.8 kg/ 8.4 lb) and three clip-on units (57 cm/ 22.4" x 33 cm/ 12.99" (l x h), 2.2 kg/ 4.85 lb; 27 cm/ 10.6" x 33cm/12.99", 0.9 kg/ 1.98 lb and 27 cm/ 10.6" x 25cm/9.8", 1 kg/ 2.2 lb) with a lead of 0.5 mm/ 0.02" Pb.</p> <p>The maximum weight of the accessory rails is 40 kg (88.2 lb).</p> <p>Product may not be used in conjunction with a TRUMPF or MAQUET surgery table.</p>
1	<p>Moveable upper body rad. protection</p> <p>This radiation shield protects the user from scattered radiation.</p> <p>For room heights up to 290 cm/ 114.2".</p> <p>It includes a ceiling rail (4m/ 157.5"), a ceiling mounted and movable stand (80 cm/ 31.5"), a support arm (75 cm x 90 cm/ 29.5" x 35.4") and an acrylic glass.</p> <p>The shield is made of acrylic glass with lead equivalent of 0.5 mm (w x h: 61 cm x 76 cm/ 24" x 29.9"), which can pivot and rotate around a fixed point with a range of 360 degrees.</p> <p>Weight acrylic glass: 9 kg/ 19.8 lb.</p> <p>Weight support arm: 10 kg/ 22 lb.</p> <p>The operation range is limited when used with Artis floor/biplane MN.</p>
1	<p>LED Exam Light</p> <p>Ceiling-mounted, flexible positionable examination light with focusable light system. It is fully integrated into the ceiling-installed radiation protection mounting unit.</p> <ul style="list-style-type: none"> - Luminance: 60,000 Lux for 100 cm/ 39.4" distance - Working distance: 70 to 140 cm/ 27.6" to 55.1" - Color rendering index Ra at 4500 Kelvin: 95 - Color temperature: 4,300 Kelvin - Focusable light field: 14 to 25 cm/ 5.5" to 9.8" - Diameter of light head: 33 cm/ 13" - Number of LEDs: 19 - Total input power: 20 VA
1	<p>Large Display large work area</p> <p>Large color flat screen display including cables for the examination room, installed on a ceiling-mounted, longitudinally mobile, swiveling, rotating, and height-adjustable display holder with extended working range.</p>

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	Note: If a Large Display is selected, the Artis basic configuration includes a connection kit for the large display instead of the displays for the examination room.
1	Large Display video controller 18 Large Display Video Controller 18 is the middle of three different video controller sizes. A maximum of 18 video signals can be connected and displayed simultaneously on the Large Display. The Large Display video controller 18 receives various internal and external video signals for presentation to scale on the Large Display. Up to 18 external and internal video sources can be connected (max. 14 DVI-D and 4 analog (VGA) channels).
1	Injector conn. in the control room Interface for controlling the contrast medium injector in the control room. Injectors can be offered by Siemens Healthcare Accessory Solutions
1	Intercom - Comfort Intercom system for communication between examination room and control room. It includes <ul style="list-style-type: none"> - a microphone with a control box for the control room - a microphone with an adaptive acoustic filter for background noise suppression for the examination room - a footswitch for conversation selection for the examination room The microphone of the examination room is installed on the ceiling.
1	Catheter bracket This item can be positioned at the foot end of the patient table. It is made of stainless steel and attached at the accessory rail at the foot end. It includes a table extension. Dimensions 53 cm/20.9" x 65 cm/25.6" (w x l) Maximum weight 5 kg/ 11.02 lb Weight: 6.5 kg/ 14.3 lb Product may not be used in conjunction with a TRUMPF or MAQUET surgery table.
1	Arm holder (pair) The patient's arms can be comfortably placed along the body using these two arm holders. They slide underneath the patient mattress and is held in position by the patient's weight. It includes two pairs of arm holders of different length (540/690 mm - 21.2"/27.2") and height (85/115 mm - 3.35"/4.53"), suitable both for thick and thin patient mattresses. Weight small arm holder: each 0.65 kg/ 1.43lb Weight large arm holder: each 0.95 kg/ 2.09 lb. Product may not be used in conjunction with a TRUMPF or MAQUET surgery table.
1	Head holder w/ pad set The item is used to position the patient's head during examination and treatment. The patient's head is secured with a cushion or wedge. The item includes a head support and a cushion set. Length: 27 cm/ 10.6" Width: 23 cm/ 9.05" Height: 20 cm/ 7.87" Weight cushion set: 0.25 kg/ 0.55" Weight head support: 1.45 kg/ 3.2". Only for use in combination with narrow tabletop and the thin mattress.
1	Initial onsite training 32 hrs Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard

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	business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	<b data-bbox="402 514 716 541">Follow-up training 32 hrs Up to (32) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	<b data-bbox="402 693 716 720">Follow-up training 12 hrs Up to (12) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	<b data-bbox="402 871 837 898">Additional onsite training 32 hours Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	<b data-bbox="402 1039 716 1066">Standard Rigging zee BP
1	<b data-bbox="402 1087 883 1115">Grey anti-fatigue floor mat for hospital
1	<b data-bbox="402 1142 857 1169">Eaton Powerware 9390 160 kVA UPS Includes UPS, battery, maintenance bypass panel, and one year on-site parts and labor coverage (24x7) by Eaton Powerware. Complete system backup without interruption. One UPS per lab. Not approved for sites requiring OSHPD certification. Please contact XPAS Inside Sales for configuration of an OSHPD certified configuration.

Qty

Item Description

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Mark 7 Arterion, Table Mount Injector

The Arterion Mark 7 Table contrast medium injector allows for the remote installation of the system power supply and installation of the injector head onto a table bracket.

The injector system includes:

Power supply and injector head with corresponding cabling

An adjustable height table bracket for the injector head

A desk mounted user control console with large touch screen

Functions

Pressure limitation:

for 150 ml syringes 689 to 8273 kPa, corresponds to 100 to 1200 psi. .

Flow rates for 150 ml syringes:

0.1 to 45 ml/s in increments of 0.1 ml/s

0.1 to 59.9 ml/min in increments of 0.1 ml/min

rise/fall: 0 to 9.9 s in increments of 0.1 seconds

Release delay for injection or radiation:

0 to 99.9 s in increments of 0.1 s.

Adjustable volume for 150 ml syringes:

1 ml to the max. syringe capacity in increments of 1 ml.

Fill rate:

Variable syringe filling speed 1-20ml/s.

Injection protocols:

Up to 40 injection protocols possible.

Parameters currently displayed on the touch screen display and on the head display:

Injection speed

Injection volume

Remaining volume

Injection duration

Applied pressure

Contrast medium heating:

Nominal 35°C (95°F)±5°C (9°F)

Injection data memory

Up to 50 injection data items stored

Included in the scope of delivery

Injector standard configuration 150 ml

SIEMENS interface cable

Operator Manual

Service manual

OPTIONS

Qty	Item Description
1	<p>syngo DynaCT SMART</p> <p>Streak Metal Artifact Reduction Technique for syngo DynaCT images.</p> <p>Metal implants, like coils and stent markers, create artifacts in the reconstructed images that might make it difficult to detect bleedings or restenosis around the ends of the stent, for instance. syngo DynaCT SMART is a dedicated reconstruction algorithm to reduce metal artefacts.. This type of integrated image reconstruction protocol results in 3D volumes with reduced metal artefacts.</p>
1	<p>syngo Dyna4D</p> <p>syngo Dyna4D enables the visualization of flow patterns in 3D.</p> <p>With only one C arm scan it provides a view similar to virtually an unlimited number of DSA runs at no additional dose and contrast media.</p> <p>syngo Dyna4D helps to expand clinical capabilities in the angio suite by optimizing patient selection and supporting individualized treatment strategies.</p>
1	<p>syngo DynaPBV Neuro</p> <p>syngo Neuro PBV IR (Parenchymal Blood Volume in Interventional Radiology) is an application for displaying the blood volume distribution in the brain.</p>
1	<p>syngo Aneurysm Guidance Neuro</p> <p>An integrated workflow to perform automatic 3D measurements on a cerebral aneurysm.</p> <p>With three simple mouse clicks, a cerebral aneurysm and its parent vessel are segmented in the syngo Dyna3D\DynaCT image. Based on this segmentation, a complex analysis of the aneurysm is performed by the workstation and the aneurysm dome height and width, the ostium neck, angle and length as well as the ostium area and cutting plane are measured automatically. The application also determines the centerline of the parent vessel and displays the vessel as a curved MPR along this centerline.</p>
1	<p>FFR license</p> <p>Integrated measurement of FFR (Fractional Flow Reserve).</p>
1	<p>DICOM Report Export SW</p> <p>DICOM service to export Microsoft Word-based reports created by the Sensis Information System as an XA DICOM Image.</p>
1	<p>HL7 Interface In+Outbound package</p> <p>To further improve workflow and communication, the HL7 interface Inbound and Outbound SW supports an interface to external HIS, CIS, and CDMS.</p>
1	<p>Statistics Manager</p> <p>The Sensis Statistics Manager supplies necessary tools for e.g. the catheterization lab manager to investigate clinical outcomes and perform quality assurance by doing statistical searches in the Sensis Master database.</p>
1	<p>Material manager IWS SW</p> <p>Automatically updates the inventory database when items such as catheters or consumables are documented in the Information System database during the examination.</p>

PRELIMINARY PROPOSAL

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1	<p>RaySafe i2 Personal Dosimetry</p> <p>The RaySafe i2 package enables continuous improvement of working procedures in X-ray environments by providing staff with personal, real-time information about scattered X-ray dose.</p> <p>The Real-Time Display enables immediate changes in working procedures in order to minimize dose</p> <p>The Personal Dosimeters supply the Real-Time Display with information about each individual's personal dose</p> <p>The Dose View software makes it easy to review radiation data.</p> <p>The optional Dose Manager software makes it easy to report, export and archive radiation data.</p> <p>The RaySafe i2 system includes:</p> <ul style="list-style-type: none"> 1 x RaySafe i2 Real-Time Display 4 x RaySafe i2 Dosimeters 1 x Dose View software package 1 x RaySafe i2 Cradle 1 x RaySafe i2 Mounting Rack <p>Installation and a one (1) year warranty provided by Unfors</p>
10	<p>Additional RaySafe i2 Dosimeter</p> <p>Additional RaySafe i2 Dosimeter</p>
1	<p>RaySafe Dose Manager software package</p> <p>The RaySafe i2 dose manager is advanced software for analyzing, reporting and archiving dose information. In addition to i2 dose viewer's features, i2 dose manager handles multiple dosimeters and can retrieve the dose information from multiple real time displays through the hospital network.</p>