NM SPECT CT, VAMC SPOKANE, WA
PO# 668-B70008

Qty	Item Description
1	**Symbia Intevo 6** The Symbia Intevo 6 is built on SPECT/CT technology, providing seamless integration of two equal modalities. The integration of state-of-the-art SPECT and high quality six slice CT gives this system full functionality for all SPECT-only, SPECT/CT, or stand-alone CT diagnostic applications in Oncology, Neurology, General Nuclear Medicine, and Cardiology.
1	**Dedicated Reconstruction System** This high performance workstation is a state of-the-art 64-bit computer architecture capable of handling high resolution data without impeding workflow. This workstation is seamlessly connected to the acquisition console by allowing the user to perform advanced reconstructions from the acquisition console.
2	**Low Profile 3/8"" Detectors** The low profile high resolution, digital detector assembly includes a .95 cm (3/8 in.) thick NaI (TI) crystal.
1	**Caudal Tilt** Caudal tilt on Detector 2 allows for precise positioning of static and dynamic acquisitions.
2	**Low_Energy_Hi_Res Collimator Symbia** Low energy (140 keV), high resolution, parallel hole collimator
2	**Medium Energy Collimator Symbia** Medium energy (300 keV), parallel hole collimator
2	**High Energy Collimator Symbia.** High energy (364 keV) parallel hole collimator
1	**IQ-SPECT** IQ*SPECT is a unique ultra-fast cardiac solution option for general purpose SPECT systems that enables a selection of optimized protocols: - 4 minutes using standard dose - 8 minutes using half dose - 16 minutes using only a quarter of the dose
1	**Pinhole Collimator Symbia** Pinhole collimator with a 4mm aperture

Qty	Item Description

1

6MM APERTURE

The 6 mm aperture is a high sensitivity insert for the pinhole collimator.

1

Symbia Productivity Pkg - Seismic

The productivity package automates collimator exchange and quality control increasing the productivity of the Symbia Intevo and Evo camera systems.

The Productivity Package Seismic Kit retains the collimators in the Integrated Collimator Changer in compliance with local earthquake requirements.

1

Symbia Collimator Cart

The collimator cart is designed to hold extra collimators and allows collimator exchange without pivoting the bed.

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Symbia Collimator Cart

The collimator cart is designed to hold extra collimators and allows collimator exchange without pivoting the bed.

1

AQC Web Based Training

AutoOC web based training is available on the Siemens training website.

1

AutoQC source kit

This source kit contains includes 1 - Gd-153 line and 1 - Co-57 point source required for the automatic quality control option.

Note: The site Radioactive Material License may need to be updated to receive this source.

1

xSPECT Quant Tc99m

xSPECT Quant is the first and only truly quantitative solution for Tc99m SPECT imaging. This unique advanced reconstruction technique enables absolute quantification of disease uptake that is both accurate and reproducible.

1

xSPECT Bone Bundle

Advanced bone imaging reconstruction software that uses the CT as the frame-of-reference for the image reconstruction enabling CT-like anatomical clarity and resolution.

1

Internal ECG for Symbia

The internal ECG gating system provides ECG triggering for the nuclear subsystem for nuclear cardiology examinations. In addition, for Symbia Intevo Excel, 2, 6 and 16, and T2, T6, and T16 cameras, the Internal ECG gate provides ECG triggering to the CT subsystem for CT applications that require ECG gating.

The ECG gate is built into the Symbia patient bed and is controlled by the Symbia acquisition workplace. The leads are AHA (American standard) color coded. They connect near the head of the patient bed and travel with patient, thus never interfering with scanning.

The ECG waveform is displayed on the touch-screen Patient Positioning Monitor.

1

Extra Hand Controller

This option provides an extra hand controller for the Symbia Intevo and T series,scanners.

1

UPS for Symbla Camera Systems

Uninterruptible power supply option that provides 10 minutes of back up power to the SPECT gantry enabling the proper shut down in the event of a power loss. Also provides noise filtering and transient suppression.

Specifications:5.0 KVA Input configuration: 200-240 VAC, 60/60 Ilz, L6-30P Output configuration: 208 VAC, L6-30R

Qty	Item Description

1

UPS for e.softic.cam (60 Hz)

Uninterruptable power supply option that provides 10 minutes of back up power enabling the proper shut down of the system in the event of a power loss.

1

PHS Extended Pivot

The PHS extended pivot option extends the range of pivot for the patient bed in gurney mode.

1

4 Quadrant Phantom

A 4 quadrant 2.0-2.5.30.3.5 mm standard pattern slightly modified for use with Symbia Imaging Systems

1

Planar 1/2 Time Imaging

Planar 1/2 Time Imaging provides shortened Planar acquisition times.

1

Advanced 3D Features

The Advanced 3D FeaturesImage Fusion package includes the 3D package, the Image Fusion package, and Automatic Image Fusion functionality.

1

Co57 xSPECT Calibration Source

This source kit contains one 111 MBq (3.0 mCi) precision source required for calibrating the xSPECT Quant Tc99m (LEHR or LPHR) or 1123 (LPHR) options.

Note: The site Radioactive Material License may need to be updated to receive this source.

1

Remote Diagnostic Services

Siemens Remote Services. A broadband VPN connection is required for full remote service functionality and optimal system uptime.

1

Under Floor PHS Cable

Kit for routing the cable between patient bed and the Symbia Intevo or T series gantry under the floor.

1

Seismic Kit

The Symbia seismic kit anchors the Symbia gantry and bed in compliance with local seismic requirements.

1

Symbia Hybrid US Installation

This option includes the mechanical installation of the Symbia Intevo or T series scanner system.

1

[Symbia.net](#)

[Symbia.net](#) is an economical solution for reading of SPECT and SPECT•CT studies.   The system can be optionally configured with full **MI** processing capabilities. The Symbia.net can be configured as a client-server system by adding the Server Management option. PET functionality is available on multi-seat systems.

1

Organ Processing

Processing software package that provides cardiac and other organ-based SPECT processing.

1

Oncology Engine Advanced

The Oncology Engine Advanced facilitates lesion detection by enabling the visualization, volumetric analysis, and fusion of SPECT. studies as well as the automated or manual registration of images from other, independently acquired modalities (e.g., CT, MR).

1

Cardiology Engine Cedars

The Cardiology Engine Cedars assists in the diagnosis and quantitative assessment of coronary artery disease by enabling the visualization of SPECT studies as well as quantified perfusion assessment.

Qt	Item Description
1	**Neurology Engine Advanced** The Neurology Engine Advanced enables the quantification of SPECT neurology examinations, including movement disorders and epilepsy.
1	**Additional System Manuals** Additional user manual for the above selected MI system.
	Monitor, 19" LCD DICOM The 19" DICOM Calibrated LCD monitor is designed to meet the demanding requirements of medical imaging. The display features high contrast even under high ambient light conditions that can be encountered in nuclear medicine viewing environments. The gamma curve is exactly matched to CIE/DICOM recommendation, enhancing the ability to display both color and gray scale images. Light output stability is ensured by continuous backlight control throughout the display's lifetime.
1	**Additional System Manuals** Additional user manual for the above selected MI system.
1	**Initial onsite training 32 hrs** 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	**MI_SYMB_FOLLOWUP** 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	**CT Cross Trainer (Printed Self Study)** The CT CrossTrainer Program is a printed self-study course provided and administered by MIC and is intended for (1) imaging professional. StudyModules(tm) present CT in an easy to learn, interactive format with a comprehensive scope including physical principles, hardware and software, image parameters selection, image formation, safety, contrast administration, artifact prevention, patient handling, routine and advanced imaging techniques, and an abundance of images and illustrations. - Target audience: Any technologist seeking to learn CT imaging. Prior CT experience is not required. - Specs: 6 StudyModules, 15 hours of study time, 17 Cat A CE credits - Time limited: A 6 month term of enrollment provides an opportunity to earn the associated CE credits starting on the date the course materials are shipped. Upon expiration of enrollment, unearned credits are forfeited without refund.
	xSPECT Onsite Training-12hrs Up to (12) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. This training will provide you with the knowledge required to unlock the potential of the excellent image quality and quantification capabilities provided by xSPECT technology. Training will cover agenda items on the ASRT approved checklist. 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.
	GOV'T ONLY - MI SPECT Training Class

Qt	Item Description

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

MI SPECT Project Management

A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemen's equipment. The assigned PM will work with the customer's facilities management, architect or building contractor to assist you in ensuring that your site is ready for installation. Your PM will provide initial and final drawings and will coordinate the scheduling of the equipment, installation, and rigging, as well as the initiation of on-site clinical education.

1

SPECT Cardiac syngo Remote Trainer

This offering is for one (1) Cardiac Remote Trainer(sRT) session of up to 60 minutes on either Cedars or Corridor 4DM and allows up to (4) imaging professionals to participate. This virtual training experience provides you with the knowledge required to unlock the potential of the cardiology packages from Cedars and Invia including quantification of cardiac examinations. Powered by a secure broadband Virtual Private Network (VPN) connection, syngo Remote Trainer connects to your Siemens imaging console and provides you with real-time support and training. An SRS connection must be activated to utilize syngo Remote Assist. This educational offering must be completed by the later of (12) months from purchase or install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1

SPECT Neuro syngo Remote Trainer

This offering is for one (1) Neuro Remote Trainer(sRT) session for up to 60 minutes on Scenium and allows up to (4) imaging professionals to participate. This virtual training experience provides you with the knowledge required to unlock *the* potential of the Siemens Neurology Applications including quantification of neurology examinations to assist in identifying movement disorders and epilepsy. Powered by a secure broadband Virtual Private Network (VPN) connection, syngo Remote Trainer connects to your Siemens imaging console and provides you with real-time support and training. An SRS connection must be activated to utilize syngo Remote Assist. This educational offering must be completed by the later of (12) months from purchase or install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1

Additonal onsite training 12 hours IQ SPECT Training .

Up to (12) 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 date of purchase order. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1

Additonal 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 date of purchase order. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1

Stellant D Dual Pedestal wICertegra WS

New Stellant D Dual Pedestal with Certegra Workstation NO Informatics, but is Informatics ready. Includes Dual Flow as standard.

Includes Stellant 0, Dual Head, pedestal mounted injector; Certegra workstation; installation and warranty through Medrad.

1

Low Contrast CT Phantom & Holder

One complimentary biomedical tuition is included with the purchase of this system.

Offset Part 14421656 Additional System Manuals

Additional Rigging/Out of Scope Inbound

Deinstall and Scrap of existing system

Offset Initial onsite training 32 hrs

ALTERNATE PRODUCTS

Qty	Item Description
1	**Cardiology Engine 4DM** The Cardiology Engine Corridor4DM assists in the diagnosis and quantitative assessment of coronary artery disease by enabling the visualization of SPECT studies as well as quantified perfusion assessment.