



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
MARK PAYNE • Director, Division of Health Service Regulation

emilVIA EMAIL ONLY

September 20, 2023

Emily Cromer
Emily.Cromer@unchealth.unc.edu

Exempt from Review – Replacement Equipment

Record #: 4266
Date of Request: August 30, 2023
Facility Name: University of North Carolina Medical Center
FID #: 923517
Business Name: University of North Carolina Hospitals at Chapel Hill
Business #: 1900
Project Description: Replace a vascular interventional radiology (VIR) unit
County: Orange

Dear Ms. Cromer:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that the above referenced project is exempt from certificate of need review in accordance with G.S. 131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the Siemens vascular interventional radiology (VIR) unit to replace the Siemens VIR unit (Serial # 53012). This determination is based on your representations that the existing unit will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.

It should be noted that the Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this office and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Cynthia Bradford
Project Analyst

Micheala Mitchell
Chief

cc: Acute and Home Care Licensure and Certification Section, DHR
Radiation Protection Section, DHR

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF HEALTH SERVICE REGULATION
HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION

LOCATION: 809 Ruggles Drive, Edgerton Building, Raleigh, NC 27603
MAILING ADDRESS: 809 Ruggles Drive, 2704 Mail Service Center, Raleigh, NC 27699-2704
<https://info.ncdhhs.gov/dhsr/> • TEL: 919-855-3873

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



August 30, 2023

VIA ELECTRONIC MAIL

Micheala Mitchell, Chief
Cynthia Bradford, Project Analyst
Healthcare Planning and Certificate of Need Section
Division of Health Service Regulation
NC Department of Health and Human Services
2704 Mail Service Center
Raleigh, North Carolina 27699-2704

Re: UNC Hospitals / Replacement Equipment Exemption / Vascular Interventional Radiology Unit / Orange

Dear Ms. Mitchell and Ms. Bradford:

UNC Hospitals (“UNCH”) intends to acquire a replacement Vascular Interventional Radiology unit on its main campus in Chapel Hill, and requests written confirmation that this project, as described in detail below, is exempt from CON review pursuant to the replacement equipment exemption. UNCH provides this prior written notice of a project exemption from Certificate of Need (“CON”) review.

A. Proposed Replacement Equipment Exemption

UNCH is requesting a determination that its purchase of the replacement equipment is exempt from CON review under the replacement equipment exemption provision contained in N.C. Gen. Stat. N.C. Gen. Stat. §131E-184(a)(7).

Under the provisions found at N.C. Gen. Stat. §131E-184(a)(7), the CON law provides:

- (a) Except as provided in subsection (b) of this section, the Department shall exempt from certificate of need review a new institutional health service if it receives prior written notice from the entity proposing the new institutional health service, which notice includes an explanation of why the new institutional health service is required, for any of the following:
 - (7) To provide replacement equipment

For the purposes of the foregoing Provisions in Section §131E-184(a)(7), as set forth in N.C. Gen. Stat. § G.S. 131E-176(22), “replacement equipment” is defined as the following:

- (22a) Replacement equipment. – Equipment that costs less than three million dollars (\$3,000,000) and is purchased for the sole purpose of replacing comparable medical equipment currently in use which will be sold or otherwise disposed of when replaced. In determining whether the replacement equipment costs less than three million dollars (\$3,000,000) the costs of equipment, studies, surveys, designs, plans, working drawings, specifications, construction, installation, and other activities essential to acquiring and making operational the replacement equipment shall be included.

B. Cost of the Replacement Equipment

The purchase price of the equipment as shown in the quote from the vendor provided in Exhibit 1 is \$2,192,650, including replacement equipment installation and existing equipment removal. The total capital cost, including minor renovations, is estimated to be \$2,865,750. Projected capital costs are provided in Exhibit 2. There will be no other capital costs associated with this replacement equipment.

The unit satisfies the replacement equipment exemption test in N.C. Gen. Stat. §131E-184(a)(7) as set forth in N.C. Gen. Stat. § G.S. 131E-176(22), since the unit costs under \$3 million to acquire and install.

C. Comparable Equipment

In addition to the foregoing, to qualify for replacement equipment exemption, the replacement equipment must be comparable to the equipment it replaces and must be sold or otherwise disposed of when replaced. The CON rule codified as 10A N.C.A.C 14C.0303 (the “Regulation”) defines “comparable medical equipment” in subsection (c) as follows:

“Comparable medical equipment” means equipment which is functionally similar and which is used for the same diagnostic or treatment purposes.

UNCH intends to use the replacement equipment for substantially the same services for which the entity currently uses the existing equipment. The replacement equipment unit will perform all procedures currently performed on the existing equipment unit. Although it possesses some expanded capabilities due to technological improvements, the replacement equipment will perform the same general range of procedures as the existing equipment unit, see Exhibit 3 Equipment Comparison Chart. The replacement equipment is therefore comparable medical equipment as defined in Subsection (c).

E. Disposition of Equipment

As part of the proposal to acquire the replacement equipment, Siemens will de-install and take possession of the existing equipment. The replacement equipment unit will not be re-sold or re-installed in North Carolina without appropriate CON approval.

In consideration of the above, UNCH understands that this project is exempt from CON review and requests written confirmation that the proposed replacement of the equipment, and related installation and renovation costs as described herein, are exempt from CON review pursuant to N.C. Gen. Stat. §131E-184(a)(7).

Please do not hesitate to contact me at Emily.Cromer@unchealth.unc.edu if you require any additional information.

Sincerely,

Emily Cromer

Emily Cromer

Director of Regulatory Affairs & Facility Strategy
UNC Health



Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355

SIEMENS REPRESENTATIVE
Edwin Winicki - +1 (336) 688-0978
edwin.winicki@siemens-healthineers.com

PRELIMINARY PROPOSAL

Customer Number: 0000010805

Date: 08/02/2023

UNIV NORTH CAROLINA HEALTH CARE SYS
101 MANNING DR
CHAPEL HILL, NC 27514

Siemens Medical Solutions USA, Inc. is pleased to submit the following quotation for the products and services described herein at the stated prices and terms, subject to your acceptance of the terms and conditions on the face and back hereof, and on any attachment hereto.

Table of Contents

	<u>Page</u>
ARTIS icono biplane IR Pro (Quote Nr. CPQ-700299 Rev. 0)	Error! Bookmark not defined.
OPTIONS for ARTIS icono biplane IR Pro (Quote Nr. CPQ-700299 Rev. 0).....	Error! Bookmark not defined.

Contract Total: \$ 2,192,650

(total does not include any Optional or Alternate components which may be selected)

Proposal valid until 09/29/2023

Pricing contingent on concurrent execution of POS (point of sale) service contract and multi-modality purchase.

Siemens Medical Solutions USA, Inc.
 40 Liberty Boulevard, Malvern, PA 19355

SIEMENS REPRESENTATIVE
 Edwin Winicki - +1 (336) 688-0978
 edwin.winicki@siemens-healthineers.com

PRELIMINARY PROPOSAL

Quote Nr: CPQ-700299 Rev. 0

Terms of Payment: 00% Down, 80% Delivery, 20% Installation
 Free On Board: Destination

Purchasing Agreement: VIZIENT SUPPLY LLC

VIZIENT SUPPLY LLC terms and conditions apply to Quote Nr CPQ-700299

Customer certifies, and Siemens relies upon such certification, that : (a) VIZIENT CARD-VASC - XR0705 is the sole GPO for the purchases described in this Quotation, and (b) the person signing this Quotation is fully authorized under the Customer’s policies to choose and indicate for Customer such appropriate GPO.

ARTIS icono biplane IR Pro

Qty	Part No.	Item Description
1	14465009	<p>ARTIS icono biplane IR Pro</p> <p>ARTIS icono biplane is a breakthrough in neuro interventions.</p> <p>The completely redesigned multi-axis floor stand and agile lateral plane revolutionize positioning flexibility and movement speed enabling imaging capabilities and workflow improvements that have never been seen before. At the same time ARTIS icono biplane was designed for multidisciplinary usage making different disciplines feel at home in the same interventional lab. The lateral plane can be swiveled by an automated drive with the click of a button to get to the preferred setting.</p> <p>Imaging two projections simultaneously saves time and contrast. Simplified operation of ARTIS icono with Touch2Move technology - functions that can be selected and invoked in a single step.</p> <p>The complete CARE+OPTIQ package offers constant image quality at the lowest possible dose.</p> <p>StructureScout enables material-specific imaging – tuning the X-ray spectrum according to the material and providing dose savings.</p> <p>Digital acquisition technology and digital subtraction angiography with up to 30 f/s in 1k/16-bit matrix are available.</p> <p>OPTIQ Roadmap comes with enhanced image quality improvements at reduced radiation dose. Several directly accessible features ease the workflow and save time.</p> <p>The Pro system platform allows access to unique features like syngo DynaCT Sine Spin, syngo DynaCT Multiphase and the preparation for 3D acquisitions with the agile lateral plane.</p> <p>It already contains the following functionalities:</p>

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
		Live 2k Imaging, Fluoro Loop and Memory expansion (400k).
		Disclaimer: The products/features (here mentioned) are not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local Siemens organization for further details.
1	14455903	ELEVATE bonus EOS (bi)
1	14465028	Laser crosshairs (A&B) Laser crosshairs integrated in the cover of the flat detector and tableside operation for easier, quicker, and dose-saving positioning of the patient.
1	14465138	Biplane Imaging system Image system computer for control of system operation and image acquisition. Dual architecture In order to provide highest level system availability, the imaging system consists of two independent computer systems that manage central tasks such as real-time image processing during fluoroscopy or acquisition as well as post-processing and networking functionality separately from one another. This ensures the best possible system performance and availability. Image storage capacity 100,000 images in 1k matrix with a size of 2 MB 25,000 images in 2k matrix with a size of 8MB
1	14432948	Automap Automatic stand positioning depending on the selected reference image and automatic reference image selection depending on the stand positioning.
1	14465022	OPTIQ with as40HDR GIGALIX biplan OPTIQ image chain with the following tube, collimator, and flat detector configuration: as40HDR detector and GIGALIX tube, in both planes The as40HDR flat detector is optimized for the requirements of radiology and surgery. 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.
1	14465015	Multimodality Viewing Supports the connection of external video sources such as Sensis/recording systems, PACS, HIS/RIS, Ultrasound, ECG, IVUS, OCT, external video, endoscope, mapping systems, and their visualization on the exam room display. Adapted to the local needs and depending on the availability of the cockpit option up to 24 external sources can be connected.
1	14455573	Large Display (rail mount) Large color flat screen display (including cables) for the examination room, with a panel diagonal of 55". This large display version provides an excellent clinical image quality due to its new IPS panel technology. The Large display is fixed on a ceiling-mounted, longitudinally movable, rotatable, and height-adjustable display holder in the examination room.
1	14465217	Large Display diagn. protection 55" laminated glass protective screen for the monitor panel.
1	14465013	Large dual control room display Two large control room displays - Panel: 31.5" - Resolution: 3840 x 2160 - Pixel size: 0.181 x 0.181 mm

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	14465045	<ul style="list-style-type: none"> - Typical contrast max. 1000 : 1 - Max. luminance: 700 cd/m2 - Calibrated luminance: 400 cd/m2 - Display area (diagonal): 800 mm - Dimensions without stand (W x H x D): 761 x 471 x 90 mm <p>ARTIS multi-tilt table ARTIS multi-tilt table ensures optimal patient positioning regardless of the procedure and patient size. With an unprecedented level of material integrity, it is suitable for even the heaviest of patients.</p> <ul style="list-style-type: none"> - Maximum table load: 440 kg (970 lbs.) consisting of 280 kg (617 lbs.) for the patient, 100 kg (220 lbs.) for accessories, plus 60 kg (132 lbs.) for CPR - Allows tilting in +15°/-20° and a +/-15° cradle - The easy-float tabletop permits hassle-free positioning of the tabletop regardless of patient weight, mounted lower-body radiation protection and tableside modules - Small table base allows upright and comfortable standing, close to the patient. - The Siemens unique IsoTilt functionality keeps the C-arm projection during Trendelenburg tilting. - Ball bearing mounted slidable accessory rails on both sides for easy positioning of control modules and accessories. <p>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. A suitable UPS from Siemens as required must be included in your order unless an existing / planned UPS provision for your installation site will satisfy the requirement.</p>
1	14455544	<p>Tabletop - narrow Narrow-shaped carbon fiber patient positioning tabletop with head-end recess. Ideal for cardiological and neuro-interventional applications. Tabletop tapered in the thorax area for maximum freedom of C-arm angulation. Maximum patient weight: 280 kg / 617.3 lbs. Weight: 13 kg / 28.7 lbs. Length: 2287 ± 1 mm / 90.1" ± 0.04" Width head-end: 228 ± 0,5 mm / 9.0" ± 0.02" Width middle body: 480 ± 0.8 mm / 18.9" ± 0.03" Width lower body: 525 ± 0.5 mm / 20.7" ± 0.02"</p> <p>Intended only for use with ARTIS tables.</p>
1	14455548	<p>Mattress - thick Matching, special-foam mattress, 7 cm, incl. a latex-free cover. This visco-elastic comfort mattress reacts to temperature and has the special property of adapting to the individual body shape under the influence of body weight and heat. Mattress thickness: 70 ± 5 mm / 2.8" ± 0.2"</p>
1	14465054	<p>Oper. contr. ARTIS table For an ideal workflow, full system operation can be performed directly at the table side. This includes complete system operation through modular control elements for controlling C-arm movements, patient table, and collimator. The illuminated controls and touch display are easy to use – even when covered with drapes for sterile operation.</p> <p>Pilot module The pilot module provides comfortable and ergonomic operation of the system. It allows the control of system and table movements, imaging parameters, the selection of examination protocols, image acquisition and evaluation and many other functions. The touch screen can be configured to meet individual clinical requirements. The Touch2Move technology allows intuitive activation of system movements.</p>

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
		Table control module (with ARTIS multi-tilt table) The table operating module with panning knob for servo-assisted table movement enables virtually force-free movement of the patient regardless of table load and table inclination.
		Table control module (with ARTIS standard table) Table control module with panning knob for free-floating tabletop movement.
		Collimator control module The Collimator control module for controlling of all collimator functions, such as rectangular blade or wedge-shaped filters.
		Hand switch Multi-functional hand switch for acquisition control, switching acquisition frame rates and/or step movements. (This switch might not be available in all countries.)
1	14465047	1st 8 pedal wireless footswitch Wireless 8-pedal footswitch for release of fluoroscopy, exposure, and table brake, as well as configurable control function.
1	14465050	2nd 8 pedal cable footswitch Additional wired 8-pedal footswitch for release of fluoroscopy, exposure and table brake, as well as configurable control function.
1	14465124	Operation in the control room Preparation for system operation from control room.
1	14465095	Op. ctrl. - handswitch (C-Room) Additional handswitch for radiation release and additional control functions.
1	14455566	Injector connection (C-Room) Interface in the control room for controlling the contrast medium injector. Injectors can be offered by Siemens Healthcare Accessory Solutions.
1	14440419	Cable clips ECG Cable clips for securing the ECG cable to the patient tabletop. It includes 10 cable clips.
		Intended only for use with Artis / ARTIS tables
1	14465062	Infusion bottle holder This infusion bottle holder can be mounted at the accessory rail of the patient table. It holds up to 4 infusion bottles. It includes an infusion bottle holder made of stainless steel with 4 retaining rings.
		Intended only for use with Artis/ARTIS tables.
1	14455684	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 / 9.06" Height: 20 cm / 7.87" Weight cushion set: 0.25 kg / 0.55 lbs. Weight head support: 1.45 kg / 3.2 lbs.
		Headholder tabletop interface width: 482 mm Card Tabletop width: 480 mm
		Intended only for use in combination with ARTIS narrow tabletop and thin mattress.
1	14440451	Instrument tray This item can be positioned at the accessory rails of the patient table sideways above the patient. It can be swiveled and is height adjustable.

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	14440452	<p>Intended only for use with Artis / ARTIS tables.</p> <p>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.</p>
1	14440459	<p>Intended only for use with Artis / ARTIS tables.</p> <p>Arm rest Arm support used for the arm approach. Length: 1 m (39.4"). Slides underneath the patient mattress and is held in position by the patient's weight. Made of radiolucent carbon fiber material which is easy to clean. It includes two additional support pads of two different heights (4 and 7 cm). Length pad: 60 cm / 23.62" Width: 9 to 20 cm / 3.54" to 7.87" Maximum weight: 5 kg (11.02 lbs.) Weight (with pads): 2.1 kg / 4.63 lbs.</p>
1	14440460	<p>Intended only for use with Artis / ARTIS tables.</p> <p>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 mm / 690 mm - 21.2" / 27.2") and height (85 mm / 115 mm - 3.35" / 4.53"), suitable both for thick and thin patient mattresses.</p>
1	14440474	<p>Intended only for use with Artis / ARTIS tables.</p> <p>Body strap set Can be used to secure patient to the patient table and to compress patient anatomy. It consists of two belts with Velcro straps (l x w: 185 cm x 10 cm / 72.8" x 3.94").</p>
1	14465056	<p>Intended only for use with Artis / ARTIS tables.</p> <p>Abdomen radiation prot. IR 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. It provides the user an additional accessory rail. It includes a basic unit (89 cm x 75 cm / 35" x 29.5" (l x h); one lower body radiation protection pivot swivel element (48 cm x 75 cm / 18.9" x 30.3" (l x h); one flip down element 57 cm x 33cm / 22.4" x 12.99" (l x h), and two clip-on units (27 cm x 33 cm / 10.6" x 12.99", and 27 cm x 25 cm / 10.6" x 9.8") with a lead of 0.5 mm / 0.02" Pb.</p> <p>The maximum load of the accessory rails is 20 kg (44.1 lb).</p>
1	14434157	<p>Intended only for use with ARTIS tables. It provides a distance of 7cm to prevent the collision with the table base in case of maximum penning.</p> <p>Moveable upper body rad. protection This radiation shield protects the user from scattered radiation. It includes a ceiling rail (4 m / 157.5"), a ceiling mounted and movable stand (80 cm or 57 cm / 31.5" or 22.4"), a support arm (94 cm x 91 cm / 37" x 35.8") and an acrylic glass. 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>

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	14440512	<p>The operation range is limited when used with Artis floor/biplane MN. Max. weight: 18 kg / 39.68 lbs.</p> <p>LED Exam Light 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: Min 70.000 Lux for 100 cm / 39.4" distance - Working distance: 70 to 140 cm / 27.6" to 55.1" - Focusable light field: 14 to 25 cm / 5.5" to 9.8" - Color rendering index Ra at 4500 Kelvin: min. 95 - Color temperature: 4,100+-200 Kelvin - Total input power: Max. 24 VA
1	14465096	<p>QVA Vascular analysis Vessel analysis with determination of degree of stenosis, distance measurement and calibration. With ARTIS icono SW version VE21 and higher QVA is available as the optional feature "QuantWeb QVA". QuantWeb QVA is part of syngo application software and can be deployed on the imaging system.</p>
1	14465037	<p>syngo interv. Neuro Engine Pro Application software for reconstruction, post-processing and handling of 3D information including specific 2D and 3D applications for interventional neuroradiology.</p> <p>The package includes the following functionalities:</p> <ul style="list-style-type: none"> - 3D high-contrast and CT-like soft-tissue imaging (syngo DynaCT). - 3D roadmap for dynamic overlay of planning data and 3D volumes on live images (fluoroscopy or roadmap). - In-room control for table-side operation of advanced applications. - 3D Wizard for expert step-by-step guidance in 3D acquisition. - Parallel patient processing capabilities. - Fusion functionality for integration of pre-interventional 3D datasets also from other modalities into the Angio-room. - Marking of points or lines on the 3D geometry or MPRs and overlay of these markings on live images (e.g. fluoroscopy). <p>3D functional imaging providing physiologic blood volume information (syngo DynaPBV Neuro), dedicated workflow support and measurements for aneurysm analysis and 3D stenosis measurements. - 2D functional imaging for visualization of blood flow characteristics (syngo iFlow).</p>
1	14465082	<p>syngo DynaCT Multiphase With syngo DynaCT Multiphase it is for the first time possible to assess the collateral status with time resolved DynaCT, depicting 8 different time points within a period of 50 seconds. The seamless integration of collateral status imaging into the interventional suite leads to time savings (no transfer to CT) and sounder decisions.</p>
1	14465145	<p>Twin Spin When acquiring a 3D volume with an according setup of start-position and</p>

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	14465014	<p>acquisition program, the second plane will rotate in idle mode and does not need to be parked, saving time, and improving the clinical workflow.</p> <p>syngo DynaCT Sine Spin syngo DynaCT Sine Spin helps neuroradiologists reduce cone beam CT artifacts in the basal part of the brain and close to the skull. Before performing thrombectomy and after all neurointerventions.</p> <p>syngo DynaCT Sine Spin brings cone beam CT of the brain to the next level. A new double oblique trajectory for image acquisition was developed to overcome artifacts from bony structures especially in imaging the basal part of the brain and close to the skull.</p>
1	14465233	<p>Lateral plane 3D acquisition Lateral Plane 3D acquisition allows to perform 3D acquisitions such as Dyna3D and/or DynaCT with the lateral plane of the ARTIS icono biplane.</p>
1	14434185	<p>syngo DynaCT Micro Enables unique detail resolution (+40%) in interventional 3D imaging by using all detector pixels in a 22 cm FOV (zoom 3).</p> <p>Note: For ARTIS pheno in conjunction with the zen40HDR detector technology, syngo DynaCT Micro can also be used in the full 50 cm FOV (zoom 0).</p>
1	14465323	<p>syngo DynaCT High Speed DynaCT and Dyna3D acquisitions with reduced acquisition times.</p>
1	14446025	<p>syngo DynaCT SMART Streak Metal Artifact Reduction Technique for syngo DynaCT images. 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	14446026	<p>syngo Dyna4D syngo Dyna4D enables the visualization of flow patterns in 3D. 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	14446029	<p>syngo NeedleGuidance A software module for planning and control of needle procedures.</p> <p>The application enables the planning of one or multiple needle paths based on intraoperative syngo DynaCT images, or a preoperative 3D volume of a CT, PET/CT, or MR system, in combination with Fusion functionality. Optimal progression views for easy control during needle insertion are calculated and suggested by the system and the planned needle path is overlaid on the live 2D image for easy guidance. Interventions such as vertebroplasties, kyphoplasties, pedicle screwing, biopsies, drainages, and ablations can be performed on the angiography system with greater confidence.</p>
1	14465134	<p>syngo Embolization Guidance syngo Embolization Guidance is an application for planning and performing embolizations.</p> <p>By manually marking a proximal start- and one or multiple distal target vessel point(s) in a syngo DynaCT, CTA or MRA dataset, the algorithm determines the course of the vessel (tree) that connects the start with the target point(s). Functionality for tumor segmentation with automatic tumor volume computation is available in addition.</p>

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
		Segmented structures can be overlaid with live 2D imaging for guidance during the procedure.
		In combination with syngo DynaCT (≥200° acquisition) or CT dataset with intra-arterial injection, the easy one-click syngo Embolization Guidance application automatically detects and highlights tumor-feeding vessels for targeted embolization of the liver – supporting complete tumor embolization, which is important for an effective and safe treatment.
1	14440411	Intercom - Comfort Intercom system for communication between examination room and control room. It includes: - 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.
1	14465132	Third Party Broker Interface to relevant 3rd party applications. Easy and simplified integration of 3rd party systems via safe and open standard protocols.
1	AXA_RIG_ICON O_BP	Standard Rigging icono BP
1	AXA_IN_BD_LV 1	Essential Education Package (AXA)(Neuro) This Essential Interventional Neuro education package includes: - Dedicated Siemens Education Consultant: partnering with your Education Coordinator to create a blended curriculum adapted to your facility's individual needs. - Blended Learning Curriculum: a combination of at least two (2) 28-hour onsite trainings, digital (immersive, online & virtual) education, and instructor-led classroom elevated by ASRT accreditation. Designed for your team to maximize their confidence and competence on your system. - On-site Customization: optimizing system hardware, software, workflow and operating safety consistent with the cleared use of the system. - Ongoing Educational Case Support: ability to request onsite case-support for advanced procedures. The education will be delivered in four (4) phases: 1) Pre-Installation: Customized Education Plan (CEP) tailored to your sites experience level and case types. Training needs assessed on hardware and software options, system positions, 2D/3D imaging, post-processing techniques and ongoing procedure support. 2) Pre-Go Live: blend of virtual courses & instructor-led classroom training. 3) Go Live: minimum of two (2) weeks of onsite clinical applications sessions, guiding staff members, reinforcing concepts and practices acquired during pre-training. 4) Warranty /Post-Go Live: continuation of the CEP delivery. Ongoing case support on advanced request and subject to availability. Parties will mutually agree on deliverables and scheduling of the requested training. This educational offering must be utilized within 12 months following install end date. If this offering is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	AXA_O_BIPLANE	Elevate O Biplane
1	AXA_ELVOBPZ G_DEINS	Elevate O Deinstallation Biplane-Zeego
1	AXA_ELVOBPZ G_DEOFF	Elevate O Deinstall Biplane-Zeego Offset
1	AX_PR_ELEVL OYAL_IB	EOS AXIOM System Upgrade Icono Biplane AT EOS Elevate Loyalty promo for AXIOM angiography systems gone end of support from 2015-2023 will be replaced by a new ARTIS icono Biplane. AT Elevate offers customers a wide range of solutions and benefits for your existing

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	BART700TABL	<p>installed Siemens Healthineers AT system. While considering the options for replacing your existing AT system, the End-Of-Support (EOS) Bonus is designed to help reduce the initial impact of your new system purchase, allowing you to consider future life cycle needs such as serviceability.</p> <p>Customer is eligible for this pricing promotion provided: Siemens receives a binding purchase order (or countersignature on this quote) for the system described in this quote no later than September 30th, 2023 and at least one of the following three additional commitments: Siemens receives an executed four (4) year point of sale agreement no later than September 30th, 2023; or Customer agrees to take delivery of the system no later than Feb 27, 2024; or Customer purchases an additional Siemens Artis system of equal or greater value to the system described herein on or before September 30th, 2023. If Customer meets these requirements, Siemens will deinstall the Axiom system being replaced at no additional charge.</p> <p>Mark 7 Arterion, Table Mount Injector</p> <p>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.</p> <p>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</p> <p>Functions Pressure limitation: for 150 ml syringes 689 to 8273 kPa, corresponds to 100 to 1200 psi .</p> <p>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</p> <p>Release delay for injection or radiation: 0 to 99.9 s in increments of 0.1 s.</p> <p>Adjustable volume for 150 ml syringes: 1 ml to the max. syringe capacity in increments of 1 ml.</p> <p>Fill rate: Variable syringe filling speed 1-20ml/s.</p> <p>Injection protocols: Up to 40 injection protocols possible.</p> <p>Parameters currently displayed on the touch screen display and on the head display: Injection speed Injection volume Remaining volume Injection duration Applied pressure</p> <p>Contrast medium heating: Nominal 35°C (95°F)+-5°C (9°F)</p> <p>Injection data memory Up to 50 injection data items stored</p> <p>Included in the scope of delivery</p>

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description	
		<p>Injector standard configuration 150 ml SIEMENS interface cable Operator Manual Service manual (English).</p> <p>Power supply 200 V to 250 V; 50/60 Hz.</p>	
1	BINSART700R	Arterion Rack Mnt Install	
1	EPW935515UPS	<p>Eaton Powerware 9355 15 kVA UPS Includes UPS, battery, maintenance bypass panel, and one year on-site parts and labor coverage (24x7) by Eaton Powerware. This UPS is recommended when protection and uninterruptible power is required for the Artis' C-arm and table. Emergency fluoroscopy is not available with this UPS. If emergency fluoroscopy is required, the 9390 - 160 kVA UPS is recommended for the full system. One UPS per lab.</p> <p>Additional seismic brackets are required to make this system OSHPD approved.</p>	
2	GEL1040136601278	<p>Black anti-fatigue mat 36x60 Black NewLife EcoPro anti-fatigue mat (36 inches x 60 inches), 3/4 inch polyurethane foam, fluid and dirt resistant with anti-microbial properties, matte textured surface.</p> <p>The ultimate employee benefit for workers who stand, are ergonomically designed to provide the perfect balance of premium comfort and optimal support. Proprietary Cellulon@Polyurethane Technology stands up to the tough demands of commercial environments while providing lasting comfort that won't bottom out over time. This eco-friendly line of anti-fatigue mats is certified by the National Floor Safety Institute for its high traction bottom surface.</p>	
1	AM0160C	<p>Adept STARSystem Radial positioning equipment intended for clinicians working on the right.</p> <p>Includes STARBoard, leg arm support and STARTable.</p> <p>A key function of the STARBoard is its ability to present the patients wrist in the hyper-extended position whilst access is achieved, then simply return it to a more relaxed, medially-rotated position, for the duration of the procedure, allowing greater patient comfort. Crafted in carbon fiber for superior strength, radiolucency and durability, the STARBoard is light weight and compact.</p> <p>STARSupport connects to the STARBoard after radial access is gained facilitating left arm procedures for superior patient comfort.</p> <p>STARTable not only provides clinicians with an adjustable work surface, the vertical shield reduces X-ray scatter.</p> <p>Includes one year warranty through Adept.</p>	
1	AXA_BUDG_AD DL_RIG	Add'I/Out of Scope Rigging	
System Total (excluding any optional items)			\$ 2,192,650

PRELIMINARY PROPOSAL

OPTIONS for ARTIS icono biplane IR Pro

Qty	Part No.	Item Description	Extended Price
		Optional parts	
1	14455543	Tabletop - wide Patient positioning tabletop made of carbon fiber in wide, straight design for universal use. The tabletop is straight all the way to the head area. Maximum patient weight: 280 kg / 617.3 lbs. Weight: 12.7 kg / 28.0 lbs. Length: 2287 ± 1 mm / 90.1" ± 0.04" Width: 525 ± 0.5 mm / 20.7" ± 0.02"	+ \$ 7,977
		Intended only for use with ARTIS tables.	
1	14455701	Mattress-thick f. tabletop - wide Mattress thick Matching, special-foam mattress, 8 cm, incl. a latex-free cover. This visco-elastic comfort mattress reacts to temperature and has the special property of adapting to the individual body shape under the influence of body weight and heat.	+ \$ 4,918

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355

SIEMENS REPRESENTATIVE
Edwin Winicki - +1 (336) 688-0978
edwin.winicki@siemens-healthineers.com

PRELIMINARY PROPOSAL

FINANCING: The equipment listed above may be financed through one of our financing partners. Ask us about our full range of financial products that can be tailored to meet your business and cash flow requirements. For further information, please contact your local Sales Representative.

Siemens Healthineers is pleased to submit this Preliminary Pricing Proposal. A Preliminary Pricing Proposal is provided for planning purposes only; it is not contractually binding. To receive a contractually binding proposal for the Products listed above, inclusive of Terms, Conditions, and Warranty coverage, please contact your Siemens Healthineers Sales Representative.

Siemens Healthineers
Edwin Winicki
+1 (336) 688-0978
edwin.winicki@siemens-healthineers.com

Projected Capital Cost Form

Building Purchase Price	\$
Purchase Price of Land	\$
Closing Costs	\$
Site Preparation	\$
Construction/Renovation Contract(s)	\$566,000
Landscaping	\$
Architect / Engineering Fees	\$107,100
Medical Equipment	\$2,192,650
Non-Medical Equipment	\$
Furniture	\$
Consultant Fees (specify)	\$
Financing Costs	\$
Interest during Construction	\$
Other (Philips XPer Flex Cardio Control Room)	\$
Other (IT Costs for Control Room)	\$
Total Capital Cost	\$2,865,750

CERTIFICATION BY AN OFFICER OR AGENT FOR THE PROPONENT

I certify that, to the best of my knowledge, the projected total capital cost for the proposed project is complete and correct and that it is our intent to carry out the proposed project as described.

Steve Trimmerger

 Signature of Officer/Agent

Date Signed: _____

 Title of Officer/Agent

EQUIPMENT COMPARISON

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type (e.g., Cardiac Catheterization, Gamma Knife®, Heart-lung bypass machine, Linear Accelerator, Lithotripter, MRI, PET, Simulator, CT Scanner, Other Major Medical Equipment)	Other- Interventional Radiology Equipment	Other- Interventional Radiology Equipment
Manufacturer	Siemens	Siemens
Model number	Axiom Artis DBS	Artis Icono Biplane IR Pro
Other method of identifying the equipment (e.g., Room #, Serial Number, VIN #)	53012	TBD
Is the equipment mobile or fixed?	Fixed	Fixed
Date of acquisition	2/28/2005	TBD
Was the existing equipment new or used when acquired? / Is the replacement equipment new or used?	New	NA
Total projected capital cost of the project <Attach a signed Projected Capital Cost form>	NA	See Exhibit 2
Total cost of the equipment	\$2,032,123	\$2,192,650
Location of the equipment <Attach a separate sheet for mobile equipment if necessary>	UNCH - Main Campus	UNCH - Main Campus
Document that the existing equipment is currently in use	See Letter	NA
Will the replacement equipment result in any increase in the average charge per procedure ?	NA	No
If so, provide the increase as a percent of the current average charge per procedure	NA	NA
Will the replacement equipment result in any increase in the average operating expense per procedure ?	NA	No
If so, provide the increase as a percent of the current average operating expense per procedure	NA	NA
Type of procedures performed on the existing equipment <Attach a separate sheet if necessary>	See Attached	NA
Type of procedures the replacement equipment will perform <Attach a separate sheet if necessary>	NA	See Attached

EPIC CDM Code Description

HC MIDLINE INSERT OVER 3YRS
HC TRANSFUSION BLD BLD COMPONENTS
HC INCISION AND DRAINAGE ABSCESS SIMPLE SINGLE
HC SPIDER VEINS INJ SINGLE OR MULT LIMB OR TRUNK
HC INJ SCLEROSING SOLUTION SINGLE VEIN
HC INJ SCLEROSING SOLUTION MULT VEINS SAME LEG
HC DECLOT IMPLNTD VASC ACC DEV
HC BIOPSY LIVER NEEDLE PERCUTAN
HC LUMBAR PUNCTURE THERAPY
HC INJ AA PUDENDAL NRV
HC INJECTION ANESTHETC AGENT L T PARAVERTEBRAL
HC DESTR SUPER HYPOGASTRIC PLEX
HC GANGLION IMPAR BLOCK
HC INJECTION ANESTHETIC AGENT SUPERIOR HYPOGASTRIC PLEXUS
HC CHEMODNRVTN TRUNK 1 TO 5 MUSCLES
HC CHEMODNRVTN TRUNK 6 OR MORE MUSCLES
HC RF DENERV PUDENDAL NRV
HC INJECTION ANESTHETIC AGENT AND OR STEROID INTERCOSTAL NERVE SINGLE LEVEL
HC INJECTION ANESTHETIC AGENT AND OR STEROID INTERCOSTAL NERVE EACH ADDL LEVEL
HC INJECTION ANESTHETIC AGENT AND OR STEROID PUDENDAL NERVE
HC INJECTION ANESTHETIC AGENT ANDOR STEROID OTHER PERIPHERAL NERVE BRANCH
HC DEBRIDEMENT TISSUE SKIN 1ST 20SQCM
HC MODERATE SEDATION INITIAL 15 MINUTES 5 YEARS OF AGE OR OLDER
HC INJECTION INTRALESIONAL = 7 LESION
HC INCISE AND REMOVE FOREIGN BODY SUBQ TISSUE SIMPLE
HC DIALYSIS CIRCUIT INCLUDES INTRO NEEDLES CATH IMAGING RAD SUPERVISION AND INTERP
HC DIALYSIS CIRCUIT WITH TRANS ANGIO PERIPHERAL SEGMENT
HC DIALYSIS CIRCUIT WITH PLACEMENT OF STENT PERIPHERAL SEGMENT
HC MECHANICAL THROMBECTOMY INFUSION DIALYSIS CIRCUIT INCLUDES DIAG ANGIO
HC MECHANICAL THROMBECTOMY INFUSION DIALYSIS CIRCUIT PERIPHERAL SEGMENT WITH PTA
HC MECHANICAL THROMBECTOMY INFUSION DIALYSIS CIRCUIT PERIPHERAL SEGMENT WITH STENT
HC STAB PHLEBECTOMY 1 EXTREMITY 10 - 20 STABS
HC FNA WITH IMAGING - INACTIVE
HC BIOPSY PROSTATE SINGLE MULT
HC DRAIN CATH PLMT OTHER
HC IMAGE GUIDED FLUID COLLECTION DRAINAGE BY CATH VISCERAL
HC IMAGE GUIDED FLUID COLLECTION DRAINAGE BY CATH PERI RETRO
HC IMAGE GUIDED FLUID COLLECTION DRAINAGE BY CATH TRNSVAG REC
HC EMBO TUMOR ISCHEMIA INFARCT - DO NOT USE
HC PROSTATIC ARTERY EMBOLIZATION INV
HC FNA BIOPSY INCL US GUIDANCE 1ST LESION
HC FNA BIOPSY INCL US GUIDANCE EA ADDL LESION
HC FNA BX INCL CT GUIDANCE 1ST LESION
HC PHASE I 00:31-01:00 HRS
HC PHASE I 02:01-02:30 HRS
HC DILATION OF ANAL STRICTURE SEPARATE PROCEDURE UNDER 4 OTHER THAN LOCAL
HC PERITONEOGRAM S AND I
HC UROGRAPHY ANTEGRADE RADIOLOGICAL S AND I
HC CYSTOGRAPHY MIN 3 VWS
HC RENAL CYST STUDY TRANSLUMBAR
HC S AND I DILITATION URETTERS OR URETHRA
HC S AND I AORTOGRAM THORACIC BY SERIALOGRAPHY
HC S AND I AORTOGRAM ABDOMINAL BY SERIALOGRAPHY
HC S AND I AORTOGRAPHY ABD AND BIL ILIOFEM
HC S AND I LYMPHANGIO EXT ONLY UNIL
HC S AND I LYMPHANGIO PELVIC ABD UNIL
HC S AND I LYMPHANGIO PELVIC ABD BIL
HC S AND I SPLENOPTOGRAM
HC S AND I VENOGRAPHY EXTREMITY UNIL
HC S AND I VENOGRAPHY EXTREMITY BILAT
HC S AND I VENOGRAM CAVAL INFER SERIAL
HC S AND I VENOGRAM CAVAL SUPERIOR SERIAL

HC S AND I VENOGRAM RENAL UNIL SELECTIVE
 HC S AND I RENAL VENOGRAM BIL SELECTIVE
 HC S AND I VENOGRAM ADRENAL UNIL SELECTIVE
 HC S AND I VENOGRAM ADRENAL BIL SELECTIVE
 HC S AND I VENOGRAM JUG OR VENOUS SINU
 HC S AND I VENOGRAM SUPERIOR SAGITTAL SINUS
 HC S AND I TRANSHEPATIC PORTOG W HEM
 HC S AND I TRANSHEPATIC PORTOG WO HEM
 HC S AND I HEPATIC VENOGRAM WEDGE OR FREE W HEM
 HC S AND I HEPATIC VENOGRAM WEDGE OR FREE WO HEM
 HC S AND I VENOUS SAMPLING VIA CATH W WO ANGI
 HC S AND I TRANSCATHETER EMBOLIZATION
 HC ANGIO FOLLOW UP VIA EXIST CATHETER OTHER THAN THROMBOLYSIS
 HC S AND I MECH REMVL PERICATH OBS MAT
 HC S AND I MECH REMVL INTRALUMINL OBS
 HC SANDI ENDO VAS REP INFRA AAA OR DISSECTION-INACTIVE
 HC SANDI PLACE OF PROSTH ENDO VAS REP INFRA AAA OR DISSECTION-INACTIVE
 HC CARDIOLITE PER DOSE - INACTIVE
 HC S AND I ENDOV REPAIR DTA INV LSA
 HC S AND I ENDOV REP DTA NOT INV LSA
 HC S AND I PLACE PROX EXT PROS EVRDTA
 HC PLACE DIST EXT PROS DELAYD S AND I
 HC I125 SODIUM IOTHALMAT PER10UCI - INACTIVE
 HC SANDI PTA RENAL VISC ARTERY
 HC S AND I TRANSCATHETER BIOPSY
 HC SANDI PTA VENOUS-INACTIVE
 HC S AND I CHANGE DRAIN CATH
 HC S AND I DRAINAGE CATHETER PLACEMENT
 HC FLUOROSCOPY UP TO 1 HR
 HC FLUORO 1 HR - INACTIVE
 HC S AND I FISTULA SINUS STUDY
 HC UNLISTED FLUOROSCOPIC
 HC FLUORO GUIDE CVA DEV PLACEMENT
 HC FLUORO GUIDANCE NEEDLE PLACEMENT
 HC FLUORO GUIDANCE FOR NEEDLE PLACEMENT INE INJ
 HC SANDI ANGIO BRACHIAL RETROGRADE-INACTIVE
 HC S AND I ANGIO SPINAL SELECTIVE
 HC S AND I ANGIO ART EXTREMITY UNIL
 HC S AND I ANGIO EXTREMITY BIL
 HC S AND I ANGIO ART VISCERAL W OR WO FLUSH
 HC S AND I ANGIO ADRENAL GLAND UNILATERAL SELECTIVE
 HC S AND I PELVIC SUPRA SELECTIVE
 HC S AND I ANGIO PULMONARY UNIL SELECTIVE
 HC S AND I ANGIO PULMONARY BIL SELECTIVE
 HC S AND I ANGIO PULM NON SELECTIVE CATH VE
 HC S AND I ANGIO INTERNAL MAMMARY
 HC S AND I ANGIO SELECT EACH ADDITIONAL VESSEL
 HC SHUNTOGRAM FOR PREVIOUSLY PLACED NON VASCULAR SHUNT SI
 HC S AND I TRANSCERVICAL CATHETERIZATION OF FALLOPIAN TUBE RADIOLOGICAL
 HC US CYST PUNCTURE
 HC CT GUIDE NEEDLE PLACEMENT
 HC CT GUID PARENCHYMAL TIS ABLATION
 HC CT HEAD OR BRAIN WO CONT
 HC CT THORAX DIAGNOSTIC WO CONT
 HC CT THORAX DIAGNOSTIC W CONT
 HC CT LUMBAR WO CONT
 HC CT PELVIS WO CONT
 HC CT PELVIS W CONT
 HC CT ABDOMEN WO CONT
 HC CT ABDOMEN W CONT
 HC CT ABDOMEN WO W CONT
 HC CTA ABD PELVIS W CONT W NON CONT
 HC CT ABD PELVIS WO CONT
 HC CT ABD PELVIS W CONT
 HC CT LIMITED OR LOCALIZED FOLLOW UP
 HC ASPIR HEMATOMA ABCES BUL CYST
 HC INJ TREATMENT OF PSEUDOANEURYSM EXT
 HC THROMBECTOMY AV GRAFT - INACTIVE
 HC RF ABLATION LIVER TUMOR PERC
 HC INJECTION PERITONEUM CONTRAST AIR

HC EXCHANGE DRAIN CATH ABS CYS
 HC CONTRAST INJ FOR ASSESSMENT ABSCESS CYST EXIST CATH
 HC REPLACEMENT OF G TUBE OR CECOSTOMY UNDER FLUORO
 HC CHANGE URETERAL STENT ILEAL CONDUIT
 HC PLACE OCCLUSIVE DEVICE
 HC BIOPSY SKIN SUBQ TISSUE SNGL - INACTIVE
 HC ABLATION CRYO FIBRO W US GUIDE
 HC BIOPSY NEEDLE MUSCLE PERC
 HC BX NDL BONE TROCAR SUPERFICIAL
 HC BX NDL BONE TROCAR DEEP
 HC INJECTION SINUS TRACT THERAPEUTIC
 HC INJ SINUS TRACT DIAGNOSTIC
 HC ARTHROCENTESIS ASPIR INJ INTERMEDIATE JNT OR BURSA WO US GUIDE
 HC ARTHROCENTESIS A IR INJ MAJOR JNT OR BURSA W O US GUIDE
 HC RFA ABLAT BONE TUM W CONT
 HC CRYOABL MUSCULOSKELETAL
 HC AMPUTATION METATARSAL W TOE SGL
 HC BIOPSY PLEURA PERC NEEDLE
 HC BX LUNG MEDIASTINUM PERC NDL-INACTIVE
 HC INSERT INDWELLING TUNNEL PLEURAL CATH W CUFF
 HC REMOVAL TUNNELED PLEURAL CATH
 HC PLACEMENT INTERSTITIAL DEVICE INTRATHORACIC
 HC THORACENTESIS NLD CATH W IMAGE
 HC PLEURAL DRAIN W CATH W IMAGE GUIDANCE
 HC PTA RENAL VISCERAL
 HC PTA AORTA
 HC PTA BRACHIOCEPHALIC
 HC PTA VENOUS
 HC PIV VEIN INTRODUCTION NEEDLE OR INTRACATHETER
 HC SELECTIVE VENOUS 1ST ORD
 HC CATHETER SELECTIVE PULM ART RT LT
 HC CATHETER SEG SUBSEG P
 HC NDL INTRACATH RETROGRD BR-INACTIVE
 HC INTRO NEEDLE CATH EXT ART
 HC AV SHUNT INITIAL ACCESS WFLUOR
 HC AV SHUNT ADDTL ACCESS WFLUOR
 HC NEEDLE CATH AORTA TRANSLUMBAR
 HC INTRO CATHETER AORTA
 HC CATH EXTERNAL CAROTID UNILAT
 HC ABD PELVIC OR LE SEL 1ST ORD ART
 HC ABD PELVIC OR LE SEL 2ND ORD ART
 HC ABD PELVIC OR LE SEL 3RD ORD ART
 HC ABD PELVIC OR LE SEL ADDL ORD ART
 HC LASER ABLATION INCOMPETENT VEIN 1ST
 HC LASER ABLATION INCOMPETENT VEIN EACH ADDITIONAL SAME EXTREMITY
 HC PORTAL VEIN ACCESS
 HC VENOUS CATH ORGAN BLOOD SAMPLING
 HC INSERT NON TUNNEL CVC UNDER 5YRS
 HC INSERT TUNNEL CVC WO SUBQ PORT PUMP UNDER 5YRS
 HC INSERT TUNNEL CVC WO SUBQ PORT PUMP 5YRS AND OLDER
 HC INSERT TUNNEL CVC W SUBQ PORT UNDER 5 YRS
 HC INSERT TUNNEL CVC W SUBQ PORT 5YRS AND OLDER
 HC PICC LINE PLACEMENT WO IMAGING GUIDANCE UNDER 5YRS
 HC PICC LINE PLACEMENT WO IMAGING GUIDANCE 5YRS AND OLDER
 HC REPAIR TUNNEL OR NONTUNNEL CVC WO PORT PUMP
 HC REPAIR TUNNEL OR NONTUNNEL CVC W PORT PUMP
 HC REPLACE COMPLETE NONTUNNEL CVC WO SUBQ PORT PUMP
 HC REPLACE COMPLETE TUNNEL CVC WO SUBQ PORT PUMP
 HC REPLACE COMPLETE TUNNEL CVAD W SUBQ PUMP
 HC REPLACE COMPLETE TUNNEL CVAD W SUBQ PORT
 HC REPLACE COMPLETE PICC WO SUBQ PORT PUMP
 HC REPLACE COMPLETE PCVAD W SQ PORT
 HC REMOVAL TUNNEL CVC WO SUBQ PORT PUMP
 HC REMOVAL TUNNEL CVAD W SUBQ PORT PUMP CENTRAL OR PERIPHERAL INSERTION
 HC MECHANICAL REMOVAL PERICATH OBSTRUCTIVE MATERIAL
 HC REPOSITION PREV CVC W FLUORO
 HC CONTRAST INJ CVA DEVICE W FLUORO
 HC INSERT TRAN INTRAH PORTO SHUNT
 HC REV TRANS INTRAH PORTO SHUNT
 HC PRIMARY PTMT NONCOR INITIAL W FLUORO GUIDANCE

HC PRIMARY PTMT NONCOR 2 AND SUBQ FLUORO
 HC SECONDARY PTT NONCOR FLUORO GUIDE
 HC PTMT INCL INJ AND FLUORO GUIDANCE
 HC PTMT INJ AND FLUORO REPEAT TX
 HC INSERT IVC FILTER W S AND I INCLD IMAGE GUIDANCE
 HC RETRIEVAL IVC FILTER ENDOVASC APPROACH W S AND I INCLD IMAGE GUIDANCE
 HC INTRAVASCULAR FOREIGN BODY RETRIEVAL
 HC TRANSCATHETER BIOPSY VASCULAR
 HC STENT PLACEMENT INITIAL ARTERY OTHER THAN LOWER EXT CAROTIDS VERT
 HC STENT PLACEMENT EACH ADDITIONAL ARTERY OTHER THAN LOWER EXT CAROTIDS VERT
 HC TRANSCTH THROMBOTHROPY ART INT
 HC CRYO ABLATION VASCULAR MALFORMATION
 HC INJ PROC FOR SPLENOPTOGRAPHY
 HC BONE MARROW BIOPSY
 HC BIOPSY LYMPH NODE SUPERFICIAL
 HC INJ LYMPHANGIOGRAPHY
 HC ABLATION SCLEROTHERAPY HEMIC LYMPH
 HC PLACEMENT NG OR OG TUBE INCL FLUORO
 HC CHANGE GASTRO TUBE W O IMAGE - INACTIVE
 HC REPOSITION NG OR OG TUBE
 HC ENTEROCUTANEOUS FISTULA REPAIR - INACTIVE
 HC REPAIR ANAL FISTULA W GLUE
 HC PERC CHOLECYSTOSTOMY COMP INCL GUIDANCE
 HC BIOPSY PANCREAS PERCUTANEOUS NEEDLE
 HC ABD PARACENTESIS INCL IMAGING
 HC BIOPSY ABD OR RETROPERITONEAL PERCUTANEOUS NEEDLE
 HC PLACEMENT INTERSTITIAL DEVICE PERC INTRA ABD PEL RETROPERI
 HC INSERT TUNNEL INTRAPERITONEAL CATH INCL IMAGING
 HC INSERT TUNLD INTRPER CATH W PORT
 HC REMOVAL TUNNEL INTRAPERITONEAL CATH
 HC PERC INSERT GASTROSTOMY TUBE INCL FLUORO GUIDANCE
 HC PERCUTANEOUS INSERT JEJUN OR DUOD TUBE INCL FLUORO GUIDANCE
 HC INSERT CECOST TUBE INCL GUIDE
 HC CONVERSION G TUBE TO GJ TUBE INCL FLUORO GUIDANCE
 HC REPLACE D OR J TUBE INCL FLUORO GUIDANCE
 HC REPLACE G OR J TUBE INCL FLUORO GUIDANCE
 HC MECHANICAL REMOVAL OBSTRUCTIVE MATERIAL G OR J OR GJ INCL FLUORO GUIDANCE
 HC INJECTION EXISTING G OR J OR GJ INCL GUIDE
 HC CRYOABL ABD PERI OMENTUM
 HC BIOPSY RENAL PERC BY TROCAR OR NEEDLE
 HC REMOVE AND REPLACE INDWELL URETERAL STENT PERCUTANEOUS
 HC REMOVE INDWELL URETERAL STENT PERC
 HC REMOVE AND REPLACE INDWELL URETERAL STENT TRANSURETHRAL
 HC REMOVE REPLACE EXT URETERAL STENT INCL FLUORO GUIDANCE
 HC REMOVE NEPHROSTOMY TUBE INCL FLUORO GUIDANCE
 HC INJECTION ASPIRATION RENAL PELVIC CYST BY PERCUTANEOUS NEEDLE
 HC NEPH DILAT RENAL PEL AND OR URET - INACTIVE
 HC RF ABLATION RENAL TUMOR UNIL PERC
 HC CRYOABL RENAL TUMOR UNIL PERC
 HC INJ FOR URETER EXIST CATH
 HC INJECTION ILEAL CONDUIT
 HC ASPIRATION BLADDER W NEEDLE
 HC ASPIR BLADDER W SUPRAPUBIC CATH
 HC INJECTION FOR CYSTOGRAPHY OR VOIDING
 HC CHANGE CYSTOSTOMY TUBE SIMPLE
 HC CHANGE CYSTOSTOMY TUBE COMPLICATED
 HC BIOPSY NEEDLE THYROID CORE
 HC C1 C2 PUNCTURE W INJECTION SUBARACH ACE
 HC ENDOVASC TEMP BALLOON ARTERIAL OCCLUSION HEAD NECK
 HC EMBOLIZATION OCCLUSION INTRACRANIAL N
 HC EMBOLIZATION OCCLUSION EXTRACRANIAL INN
 HC BALLOON ANGIO INTRACRANIAL PER
 HC TRANSCATH PLACE INTRAVAS STENT
 HC BAL DIL INTRACR VASO INITIAL
 HC BAL DIL INTRACR VASO DT EA ADD
 HC LUMBAR PUNCTURE DIAGNOSTIC
 HC INJECTION SPINAL MYELOGRAM NOT C1 C2
 HC INJECTION ANESTHETIC AGENT AND OR STEROID L S 1LVL W IMAGE GUIDANCE
 HC INJECTION ANESTHETIC AGENT PV FACET L S SGL LVL
 HC INJECTION ANESTHETIC AGENT CELIAC PLEXUS

HC DESTRUCTION INTERCOSTAL NERVE
 HC DESTRUCTION NEUROLYTIC AGENT CELIAC PLEXUS
 HC PERC AUGMENT SACRAL INJ UNIL 1 OR MORE NEEDLES W BIOPSY W IMAGE GUIDANCE
 HC PERC AUGMENT SACRAL INJ BIL 2 OR MORE NEEDLES W BIOPSY W IMAGE GUIDANCE
 HC CRYOABL PULM TUM INCL GUID
 HC STENT INTRAVASULAR OPEN EACH ADDITIONAL VEIN
 HC VASCULAR EMBOLIZATION OR OCCLUSION VENOUS OTHER THAN HEMMORRHAGE INCLD SI IMG GUIDE ROADMAP
 HC EMBOLIZATION ARTERIAL NOT HEMORRHAGE
 HC EMBOLIZATION ARTERIAL OR VENOUS HEMORRHAGE
 HC PLACEMENT OF SETON
 HC PERIPHERAL INSERTED CVAD W SUBQ PORT 5 YRS AND OLDER
 HC REMOVAL OF FOREIGN BODY PERITONEAL CAVITY
 HC ARTHROCENTESIS ASPIRATION INJECTION INTERMEDIATE JOINT OR BURSA W US GUIDANCE
 HC ARTHROCENTESIS ASPIRATION INJECTION MAJOR JOINT OR BURSA W US GUIDANCE
 HC PERC VERT 1 VERT BODY CERVICOTHORACIC UNIL OR BIL W BIOPSY W IMAGE GUIDANCE
 HC PERC VERT 1 VERT BODY LUMBOSACRAL UNIL OR BIL W BIOPSY W IMAGE GUIDANCE
 HC PERC VERT AUGMENT 1 VERT BODY THORACIC UNIL OR BIL W IMAGE GUIDANCE
 HC PERC VERT AUGMENT 1 VERT BODY LUMBAR UNIL OR BIL W IMAGE GUIDANCE
 HC PERC VERT AUGMENT EACH ADDITIONAL THOR LUM UNIL OR BIL W IMAGE GUIDANCE
 HC CRYOABL BONE TUMOR PERCUT W IMAGE GUIDE
 HC STENT PLCMNT INTRATHORACIC CAROTID W ANGIO W S AND I
 HC UNC FEVAR VISCERAL AND INFRARENAL 4OR MORE ARTERY ENDOPROSTHESES
 HC UNC FEVAR VISCERAL AND INFRARENAL 3 ARTERY ENDOPROSTHESES
 HC UNC FEVAR VISCERAL AND INFRARENAL 2 ARTERY ENDOPROSTHESES
 HC UNC FEVAR VISCERAL AND INFRARENAL 1 ARTERY ENDOPROSTHESIS
 HC UNC FEVAR VISCERAL AORTA 4OR MORE VISCERAL ARTERY ENDOPROSTHESES
 HC UNC FEVAR VISCERAL AORTA 3 VISCERAL ARTERY ENDOPROSTHESES
 HC UNC FEVAR VISCERAL AORTA 2 VISCERAL ARTERY ENDOPROSTHESES
 HC UNC FEVAR VISCERAL AORTA 1 VISCERAL ARTERY ENDOPROSTHESIS
 HC UNC ENDOVASC REPAIR OF INFRARENAL AAA W TUBE PROSTHESIS-INACTIVE
 HC UNC ENDOVASC REPAIR OF INFRARENAL AAA W 1 DOCKING LIMB- INACTIVE
 HC KETAMINE LEVEL UA - INACTIVE
 HC OXYCODONE 100 100 UA - INACTIVE
 HC UNC PLACEMENT OF PROXIMAL OR DISTAL EXTENSION DEVICE-INACTIVE
 HC PLACEMENT OF PROXIMAL OR DISTAL EXTENSION DEVICE ADDTL-INACTIVE
 HC UNC ENDOVASC PLACEMENT OF ILIAC OCCLUSION DEVICE
 HC UNC ENDOVASC REPAIR OF DESCENDING AORTA INVL SUBCLAVIAN ARTERY
 HC UNC ENDOVASC REPAIR OF DESCENDING AORTA NOT INVL SUBCLAVIAN ARTERY
 HC UNC PLACEMENT OF PROXIMAL EXTENSION DESCENDING THORACIC AORTA INITIAL
 HC UNC PLACEMENT OF DISTAL EXTENSION DESCENDING THORACIC AORTA
 HC OPEN FEMORAL ARTERY EXPOSURE
 HC UNC OPEN ILIAC ARTERY EXPOSURE
 HC UNC OPEN ILIAC ARTERY EXPOSURE WITH CONDUIT
 HC OPEN BRACHIAL ARTERY EXPOSURE
 HC OPEN SUBCLAVIAN TO CAROTID ARTERY TRANSPOSITION
 HC CATHARTIC STOOL PREP 1 - INACTIVE
 HC CATHARTIC STOOL PREP 2 - INACTIVE
 HC CATHARTIC STOOL PREP 3 - INACTIVE
 HC EMBOLECTOMY FEM POP
 HC UNC BYPASS GRAFT W OTHER THAN VEIN FEMORAL FEMORAL
 HC PLACE SOFT TISSUE MARKER 1ST LESION
 HC IVUS NON CORONARY INITIAL VESSEL INCL S AND I
 HC IVUS NON CORONARY EACH ADDITIONAL VESSEL INCL S AND I
 HC INJECTION PROC FOR CHOLANGIO EXIST ACCESS INCL IMAGE S AND I
 HC INJECTION PROC FOR CHOLANGIO NEW ACCESS INCL IMAGE S AND I
 HC PLACE EXT BILIARY DRAIN CATH INCL CHOLANG WHEN PERFORMED IMAGE S AND I
 HC PLACE INT EXT BILIARY DRAIN CATH INCL CHOLANG WHEN PERFORMED IMAGE S AND I
 HC CONVERT EXT BILIARY DRAIN TO INT EXT BIL DRAIN INCL CHOLANG WHEN PERFORMED IMAGE S AND I
 HC EXCHANGE BILIARY DRAIN CATH INCL CHOLANG WHEN PERFORMED IMAGE S AND I
 HC REMOVAL BILIARY DRAIN CATH REQ FLUORO INCL CHOLANG WHEN PERFORMED IMAGE S AND I
 HC PLACE STENT BILE DUCT EXIST ACCESS
 HC PLACE STENT BILE DUCT NEW ACCESS W PLC SEP BIL DRAIN CATH I
 HC PLACE NEW ACCESS THRU BILIARY TREE INTO SM BOWEL FOR ENDO PROC EG RENDEVOUS
 HC BALLOON DILATION OF BILIARY DUCT INCLDS IMG SI
 HC ENDOLUMINAL BIOPSY BILIARY TREE INCL IMAGE S AND I
 HC REMOVAL OF CALCULI DEBRIS FROM BILIARY DUCT AND OR GB INCL DESTRUC WHEN PERFORMED IMAGE S A
 HC SCLERO FLUID COLLECT LYMPHOCELE CYST SEROMA INCL CONT INJ IMAGE S AND I WHEN PERFORMED
 HC INJECTION PROCEDURE FOR NEPHROSTOGRAM AND OR URETEROGRAM NEW ACCESS INCL IMAGE S AND I
 HC INJECTION PROCEDURE FOR NEPHROSTOGRAM AND OR URETEROGRAM EXIST ACCESS INCL IMAGE S AND I
 HC PLACE NEPHROSTOMY CATH INCL NEPHRO URETEROGRAM WHEN PERFORMED IMAGE S AND I

HC PLACE NEPHROURETERAL CATH NEW ACCESS INCL NEPHRO URETEROGRAM WHEN PERFORMED IMAGE S AND I
 HC CONVERT NEPHROSTOMY CATH TO NEPHROURETERAL CATH VIA EXISTING NEPH TRACT
 HC EXCHANGE NEPHROSTOMY CATH INCL NEPH URETEROGRAM WHEN PERFORMED IMAGE S AND I
 HC ENDOLUMINAL BIOPSY URETER AND OR RENAL PELVIS NON ENDO INCL IMAGE S AND I
 HC PLACE URETERAL STENT THRU PRE EXIST NEPHROSTOMY TRACT INCL NEPHR URETEROGRAM WHEN PERFORMED
 HC PLACE URETERAL STENT NEW ACCESS WO SEP NEPHRO CATH INCL NEPH URETEROGRAM WHEN PERFORMED IMA
 HC PLACE URETERAL STENT NEW ACCESS W SEP NEPHRO CATH INCL NEPH URETEROGRAM WHEN PERFORMED IMAG
 HC BALLOON DILATION URETERAL STRICTURE INCL IMAGE S AND I
 HC ARTERIAL TRANSLUM MECH THRM BCTMY AND OR INFUS THRM INTRCRNL INCL ANGIO FLG CATH PLAC PHAR T
 HC EV INTRCRNL PRLNGD ADMIN PHARM AGENT NOT THROMBLYSIS INITIAL INCL CATH PLACE IMAGE
 HC EV INTRCRNL PRLNGD ADMIN PHARM AGENT NOT THROMBLYSIS EA ADDL INCL CATH PLACE IMAGE
 HC THROMBECTOMY ARTERIAL VENOUS NONHEMODIALYSIS GRAFT WO REVISION
 HC BIOPSY SALIVARY GLAND
 HC NEO KIDNEY AUGMENT NKA
 HC GENICULATE ARTERY EMBOLIZATION
 HC TRANS BALLOON ANGIO CENTRAL DIALYSIS SEGMENT
 HC TRANS BALLOON ANGIO EXCEPT LE PULMONARY CORONARY INTRACRANIAL DIALYSIS INITIAL ARTERY
 HC TRANS BALLOON ANGIO EXCEPT LE PULMONARY CORONARY INTRACRANIAL DIALYSIS EACH ADDITIONAL ARTE
 HC TRANS BALLOON ANGIO EXCEPT DIALYSIS CIRCUIT INITIAL VEIN
 HC TRANS BALLOON ANGIO EXCEPT DIALYSIS CIRCUIT EACH ADDITIONAL VEIN
 HC STENT PLACEMENT CENTRAL DIALYSIS SEGMENT
 HC DIALYSIS CIRCUIT EMBOLIZATION OR OCCLUSION
 HC PLCMT INTERSTITIAL DEVICE PERC PROSTATE - INACTIVE
 HC MICROABLATION LYMPHATIC SPLEEN
 HC BONE MARROW BIOPSY AND ASPIRATION DIAGNOSTIC
 HC UNC ENDOVASC REPAIR OF ILIAC ARTERY BIFURCATOIN INCL SANDI
 HC ABLAT LUNG TUMOR RFA PERC UNIL INCL IMAGE GUID
 HC ENDOVASC REPAIR INFRARENAL AO W AORTIC TUBE OTHER THAN RUPTURE
 HC ENDOVASC REPAIR INFRARENAL AO W AORTIC TUBE RUPTURE
 HC ENDOVASC REPAIR INFRARENAL AO AND OR ILIAC W AORTO UNI ILIAC GRAFT OTHER THAN RUPTURE
 HC ENDOVASC REPAIR INFRARENAL AO AND OR ILIAC W AORTO BI ILIAC GRAFT OTHER THAN RUPTURE
 HC ENDOVASC REPAIR INFRARENAL AO AND OR ILIAC W AORTO BI ILIAC GRAFT FOR RUPTURE
 HC ENDOVASC REPAIR ILIAC ARTERY W ILIO ILIAC ENDOGRAFT OTHER THAN RUPTURE
 HC PLACEMENT OF PROXIMAL OR DISTAL EXTENSIONS FOR ENDOVASC REPAIR OF INFRARENAL ABD OR ILIAC AN
 HC DELAYED PLACEMENT OF PROX OR DISTAL EXTENSION FOR ENDO REPAIR OF AO OR ILIAC ANEURYSM INITI
 HC DELAYED PLACEMENT OF PROX OR DISTAL EXTENSION FOR ENDO REPAIR OF AO OR ILIAC ANEURYSM EACH
 HC TRANSCATH DELIVERY OF FIXATION DEVICE TO ENDOGRAFT
 HC PERC ACCESS AND CLOSURE OF FEMORAL ARTERY FOR DELIVERY OF GRAFT THROUGH 12F OR LARGER SHEAT
 HC OPEN FEMORAL ARTERY WITH CREATION OF CONDUIT FOR DELIVERY OF ENDOVASC PROSTHESIS
 HC UNC ENDOVASCULAR REPAIR OF ASCENDING AORTA
 HC URETERAL EMBOLIZATION
 HC ENDOVASC REPAIR ILIAC ARTERY W ILIO ILIAC ENDOGRAFT RUPTURE
 HC INSERT PICC WO PORT OR PUMP INCL GUIDANCE AND SUPERVISION INTERP YOUNGER THAN 5 YEARS OLD
 HC INSERT PICC WO PORT OR PUMP INCL GUIDANCE AND SUPERVISION INTERP 5 YEARS AND OLDER
 HC REPLACEMENT OF G TUBE PERC INCL REMOVAL WO IMAGE OR ENDO GUIDANCE NOT REQ REV G TRACT
 HC REPLACEMENT OF G TUBE PERC INCL REMOVAL WO IMAGE OR ENDO GUIDANCE W REV OF G TRACT
 HC CRYOABLATION VASC MALFORM FAVA
 HC UNC ENDOVAS REPAIR ILIAC ART BY DEPLY ILIAC BRANCH END AT AORTO ILIAC ART ENDOGRAFT PLMT UN
 HC UNC ENDOVAS REPAIR ILIAC ART BY DEPLY ILIAC BRANCH END AT ILIAC BRANCHED ENDOGRAFT PLMT UNI
 HC ASPIRATION AND INJECTION FOR TREATMENT OF BONE CYST
 HC EXTERNAL CAROTID ARTERIOGRAM UNILATERAL
 HC INSERT PERITONEAL VENOUS SHUNT
 HC EXCHANGE PLEURAL DRAINAGE CATHETER
 HC LIGATION PERITONEAL VENOUS SHUNT
 HC CORE NEEDLE BIOPSY LUNG MEDIASTINUM PERQ W IMG
 HC CRYOABL NERVE PLEXUS OR TRUNCAL NERVE INCL GUIDANCE
 HC REMOVE PERITONEAL VENOUS SHUNT
 HC TRANSCERVICAL INTRO OF FALLOPIAN TUBE CATHETER FOR DIAGNOSIS RECANALIZATIION
 HC REVISION PERITONEAL VENOUS SHUNT
 HC US SOFT TISSUES HEAD AND NECK
 HC US CHEST
 HC US ABDOMINAL LIMITED
 HC US PELVIC NONOB LIMITED
 HC US EXTREMITY NV W IMAGE LIMITED
 HC US GUIDANCE VASCULAR ACCESS
 HC US GUID MONITOR LIVER ABLATN
 HC S AND I US GUIDANCE NEEDLE PLACEMENT
 HC US BREAST UNILATERAL LIMITED
 HC DX LMBR SPINAL PUNCTURE W FLOURO OR CT GUIDANCE
 HC THERAPEUTIC SPINAL DRAIN CSF USING CATHETER INCLD CT FLURO GUIDE

HC THROMBOENDARTERECTOMY COMMON FEMORAL
HC RENAL ANGIO BIL SEL 1ST ORDER INCL S AND I
HC RENAL ANGIO UNIL SEL 2ND OR MORE ORDER INCL S AND I
HC RENAL ANGIO BIL SEL 2ND OR MORE ORDER INCL S AND I
HC INJ EXTREMITY VENOGRAPHY
HC CATHETER INTO IVC OR SVC VEIN ATYPICAL
HC CATH 2ND OR MORE ORDER VENOUS
HC CATH RT HRT OR MAIN PULM ART
HC SELECTIVE CATH PLACEMENT EACH 1ST ORDER
HC SELECTIVE CATH PLACEMENT INITIAL 2ND ORDER
HC SELECTIVE CATH PLACEMENT INITIAL 3RD ORDER
HC SELECTIVE CATH PLACEMENT ADDITIONAL 2ND 3RD OR MORE ORDER
HC THORACIC ARTERY NON SEL CATH PLACEMENT W ANGIOGRAPHY INCL CAROTID VERT CEREB ARCH
HC COMMON CAROTID EXTRACRANIAL UNILAT
HC COMMON CAROTID INTRACRANIAL UNILAT
HC INTERNAL CAROTID ART UNILAT
HC SUBCLAVIAN OR INNOMINATE ARTERY SEL CATH PLACEMENT UNILATERAL W ANGIOGRAPHY
HC VERTEBRAL ART UNILATERAL
HC INTRACRAN ART UNILATERAL
HC RENAL ANGIO UNIL SEL 1ST ORDER INCL S AND I
HC INSERT NON TUNNELED CVC 5YRS OR OLDER
HC STENT INTRAVASCULAR INITIAL VESSEL OPEN
HC TRANSCATH THERAPY VENOUS LYSIS
HC TRANSCATH THERAPY FOLLOW UP LYSIS
HC TRANSCATH THERAPY FOLLOW UP LYSIS INCL CATH REMOVAL
HC STENT PLACEMENT CAROTID W DISTAL PROTECTION
HC STENT PLACEMENT CAROTID WO DISTAL PROTECTION
HC REVASC PTA ILIAC ARTERY INITIAL VESSEL UNIL
HC REVASC PTA ILIAC ARTERY W STENT INITIAL VESSEL UNIL
HC REVASC PTA ILIAC ARTERY EACH ADDITIONAL ILIAC VESSEL
HC REVASC PTA ILIAC ART W STENT INITIAL SAME VESSEL
HC REVASC PTA FEM POP UNIL
HC REVASC PTA FEM POP W ATHERECTOMY UNIL
HC REVASC PTA FEM POP W STENT SAME VESSEL UNIL
HC REVASC PTA FEM POP W STENT AND ATHERECTOMY SAME VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL INITIAL VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL W ATHERECTOMY SAME VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL W STENT SAME VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL W STENT AND ATHERECTOMY SAME VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL EACH ADDITIONAL VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL W ATHERECTOMY EACH ADDITIONAL VESSEL UNIL
HC REVASC PTA TIBIAL PERONEAL W STENT EACH ADDITIONAL VESSEL UNIL
HC STENT ECV IT CAROTID W S AND I FIRST VESSEL
HC REVASC ATHERECTOMY ILIAC ARTERY INCLD S AND I EACH VESSEL
HC PERICARDIOCENTESIS INCLD IMG GUIDANCE
HC PERICARDIAL DRAIN W INSERT CATH PERC INCLD FLUORO AND OR US GUIDE 6 YRS AND OLDER WO CONGEN
HC INTRAVASCULAR LITHOTRIPSY LE ARTERY OTHER THAN TIBIAL PERONEAL INCL ANGIOPLASTY SAME VSL
HC INTRAVASCULAR LITHOTRIPSY LE ARTERY OTHER THAN TIBIAL PERONEAL W STENT INCL ANGIOPLASTY SAM
HC INTRAVASCULAR LITHOTRIPSY STENT ATHERECTOMY LE ARTERY OTHER THAN TIBIAL PERONEAL INCL ANGIO
HC INTRAVASCULAR LITHOTRIPSY TIBIAL PERONEAL ART INCL ANGIOPLASTY SAME VSL
HC INTRAVASCULAR LITHOTRIPSY AND ATHERECTOMY TIBIAL PERONEAL ART INCL ANGIOPLASTY SAME VSL

From: [Mitchell, Micheala L](#)
To: [Stancil, Tiffany C](#)
Subject: FW: [External] UNC Hospitals VIR Equipment Replacement Exemption
Date: Wednesday, August 30, 2023 12:12:30 PM
Attachments: [2023.8.30 UNCH VIR Replacement Exemption.pdf](#)

Tiffany,

Would you mind logging this as an exemption, too? It goes to Cindy as well.

Micheala Mitchell, JD
[NC Department of Health and Human Services](#)
[Division of Health Service Regulation](#)
Section Chief, Healthcare Planning and CON Section
809 Ruggles Drive, Edgerton Building
2704 Mail Service Center
Raleigh, NC 27699-2704
Office: 919 855 3879
Micheala.Mitchell@dhhs.nc.gov

Don't wait to vaccinate. Find a COVID-19 vaccine location near you at [MySpot.nc.gov](https://www.myspot.nc.gov).
[Twitter](#) | [Facebook](#) | [Instagram](#) | [YouTube](#) | [LinkedIn](#)

Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties by an authorized State official. Unauthorized disclosure of juvenile, health, legally privileged, or otherwise confidential information, including confidential information relating to an ongoing State procurement effort is prohibited by law. If you have received this e-mail in error, please notify the sender immediately and delete all records of this email.

From: Cromer, Emily <Emily.Cromer@unchealth.unc.edu>
Sent: Wednesday, August 30, 2023 12:09 PM
To: Bradford, Cynthia L <cynthia.bradford@dhhs.nc.gov>; Mitchell, Micheala L <Micheala.Mitchell@dhhs.nc.gov>
Subject: [External] UNC Hospitals VIR Equipment Replacement Exemption

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Cindy and Micheala,

Attached is an equipment replacement exemption notice for the replacement of an existing unit of VIR equipment at UNC Hospitals on its main campus. Please confirm receipt.

Thank you,
Emily

Emily Cromer
Director of Regulatory Affairs & Facility Strategy
UNC Health
(984) 215-6213

emily.cromer@unchealth.unc.edu

----- Confidentiality Notice -----

The information contained in (or attached to) this electronic message may be legally privileged and/or confidential information. If you have received this communication in error, please notify the sender immediately and delete the message.