



DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER
GOVERNOR

MANDY COHEN, MD, MPH
SECRETARY

MARK PAYNE
DIRECTOR

August 3, 2017

Dee Jay Zerman, System Director, Regulatory Planning
UNC Health Care System
James T. Hedrick Building
211 Friday Center Drive, Suite G014
Chapel Hill NC 27517

Exempt from Review – Replacement Equipment

Record #: 2349
Facility Name: UNC Rex Hospital
FID #: 953429
Business Name: Rex Hospital, Inc.
Business #: 1554
Project Description: Replace interventional radiology equipment
County: Wake

Dear Ms. Zerman:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of July 26, 2017, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(f). Therefore, you may proceed to acquire without a certificate of need the Siemens Artis Q biplane interventional radiology equipment to replace the existing interventional radiology equipment. 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.

Moreover, you need to contact the Agency’s Construction and Acute and Home Care Licensure and Certification Sections to determine if they have any requirements for development of the proposed project.

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,

Michael J. McKillip
Project Analyst

Martha J. Frisone
Chief, Healthcare Planning and
Certificate of Need Section

cc: Construction Section, DHSR
Paige Bennett, Assistant Chief, Healthcare Planning, DHSR
Acute and Home Care Licensure and Certification Section, DHSR

HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION

WWW.NCDHHS.GOV

TELEPHONE 919-855-3873

LOCATION: EDGERTON BUILDING • 809 RUGGLES DRIVE • RALEIGH, NC 27603

MAILING ADDRESS: 2704 MAIL SERVICE CENTER • RALEIGH, NC 27699-2704

AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER





File # 953429

Rec # 2349

Bus # 1554 Rex Hospital, Inc.

James T. Hedrick Building
211 Friday Center Drive, Suite G014
Chapel Hill, NC 27517

July 26, 2017

Ms. Martha Frisone, Chief
Healthcare Planning and Certificate of Need Section
Division of Health Service Regulation
809 Ruggles Drive
Raleigh, NC 27603



RE: Request for Exemption from Review to Replace Interventional Radiology Equipment at UNC REX Hospital

Dear Ms. Frisone:

Pursuant to N.C.G.S. 131E-184(f)(1)-(3)-Exemptions from Review-of the Certificate of Need Statute, I am writing to inform you of a project at UNC REX Hospital (UNC REX) to replace an existing unit of interventional radiology equipment. UNC REX seeks to acquire a Siemens Artis Q biplane ("Replacement Equipment"). The Replacement Equipment will replace UNC REX's current Veradius Neo C-arm ("Existing Equipment"). The Existing Equipment is currently located and in use in Interventional Radiology Room #2 ("IR2") on the 2nd floor of UNC REX's main campus located at 4420 Lake Boone Trail, Raleigh, NC 27607 (see Exhibit 1). The Replacement Equipment will be relocated to the proposed Biplane Room on the 2nd floor of UNC REX's main campus.

The General Assembly has chosen to exempt certain events from CON review. Among those exemptions is the acquisition of "replacement equipment", defined as follows in the CON law:

"Replacement equipment" means equipment that costs less than two million dollars (\$2,000,000) 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.

See N.C.G.S. 131E-176(22a)

Under the new provisions found a N.C.G.S. 131E-184(f)(1) (3), the CON law provides:

(f) *The Department shall exempt from certificate of need review the purchase of any replacement equipment that exceeds the two million dollar (\$2,000,000) threshold set forth in G.S. 131E-176(22) if all of the following conditions are met:*

- (1) *The equipment being replaced is located on the main campus.*
- (2) *The Department has previously issued a certificate of need for the equipment being*

replaced. This subdivision does not apply if a certificate of need was not required at the time the equipment being replaced was initially purchased by the licensed health service facility.

- (3) The licensed health service facility proposed the replacement equipment shall provide prior written notice to the Department, along with supporting documentation to demonstrate that it meets the exemption criteria of this subsection.

The term "main campus" is defined at N.C.G.S. 131E-176(14n) as follows:

(14n) "Main campus" means all of the following for the purposes of G.S. 131E-184(f) and (g) only:

- a. The site of the main building from which a licensed health service facility provides clinical patient services and exercises financial and administrative control over the entire facility, including the buildings and grounds adjacent to that main building.
- b. Other areas and structures that are not strictly contiguous to the main building but are located within 250 yards of the main building.

The Existing Equipment is currently located and in use in Interventional Radiology Room #2 ("IR2") on the 2nd floor of UNC REX's main campus and the Replacement Equipment will be relocated to the proposed Biplane Room on the 2nd floor of UNC REX's main campus. The main hospital building from which UNC REX exercises financial and administrative control over UNC REX services is located at 4420 Lake Boone Trail, Raleigh, NC 27607. Please see Exhibit 1 which indicates the location of Existing Equipment and Replacement Equipment as well as the UNC REX medical office building wing, the location of UNC REX's President's office. UNC REX's main hospital building is composed of several contiguous structures as shown in Exhibit 1. Please see Exhibit 2 for a copy of UNC REX's current hospital license.

In addition to the foregoing, to qualify for this exemption, the replacement equipment must be "comparable" to the equipment it replaces and the equipment being replaced must be "sold or otherwise disposed of when replaced." UNC REX's proposal qualifies for this exemption:

Cost of Replacement Equipment

The purchase price of the Replacement Equipment is \$1,347,000. A quote for the Replacement Equipment is provided in Exhibit 3. The projected total capital cost of the project is expected to exceed \$2,000,000 including construction and installation cost.

Equipment Being Replaced is Located on Main Campus

The Existing Equipment is currently located in Interventional Radiology Room #2 ("IR2") on the 2nd floor of UNC REX's main campus and the Replacement Equipment will be relocated to the proposed Biplane Room on the 2nd floor of UNC REX's main campus (see Exhibit 1).

Certificate of Need for Equipment Being Replaced

The Existing Equipment was purchased for less than \$750,000. Thus, no Certificate of Need was required at the time the equipment being replaced was initially purchased by UNC REX and this subdivision does not apply.

Comparable Equipment

“Comparable medical equipment” is defined under 10A NCAC 14C .0303(c) as “equipment which is functionally similar and which is used for the same diagnostic and treatment purposes.” Further, replacement equipment is considered comparable to the existing equipment under the following circumstances as outlined under 10A NCAC 14C .0303(d):

1. *it has the same technology as the equipment currently in use, although it may possess expanded capabilities due to technological improvements; and*
2. *it is functionally similar and is used for the same diagnostic or treatment purposes as the equipment currently in use and is not used to provide a new health service; and*
3. *the acquisition of the equipment does not result in more than a 10% increase in patient charges or per procedure operating expenses within the first twelve months after the replacement equipment is acquired.*

UNC REX’s proposed new replacement unit is considered comparable pursuant to 10 NCAC 14C .0303 for the following reasons:

1. The Replacement Equipment will be used for the provision of performing interventional radiology procedures, as is the existing equipment. The replacement equipment will perform all procedures currently performed on the existing equipment. Although the replacement equipment possesses some expanded capabilities due to technological improvements, the replacement equipment will perform the same general range of services. Essentially, the replacement equipment will have the same functionality as the equipment currently in use.
2. The function of, and diagnostic/therapeutic services provided by the replacement equipment will essentially be identical to the existing equipment. UNC REX intends to use the replacement equipment for the same procedures which are currently available on the existing equipment. No new health service will be provided as a result of the replacement.
3. The acquisition and operation of the replacement equipment will not result in an increase of more than 10 percent in patient charges or the operational cost per patient of providing the service within the first twelve months after the replacement equipment is acquired.

It is important to note that 10 NCAC 14C .0303 also defines equipment that is “not comparable” under subsection (e). Replacement equipment is not considered comparable if:

1. *the replacement equipment is new or reconditioned, the existing equipment was purchased second-hand, and the replacement equipment is purchased less than three years after the acquisition of the existing equipment; or*
2. *the replacement equipment is new, the existing equipment was reconditioned when purchased, and the replacement equipment is purchased less than three years after the acquisition of the existing equipment; or*
3. *the replacement equipment is capable of performing procedures that could result in the provision of a new health service or type of procedure that has not been provided with the existing equipment; or*

4. *the replacement equipment is purchased and the existing equipment is leased, unless the lease is a capital lease; or*
5. *the replacement equipment is a dedicated PET scanner and the existing equipment is:*
 - A. *a gamma camera with coincidence capability; or*
 - B. *nuclear medicine equipment that was designed, built, or modified to detect only the single photon emitted from nuclear events other than positron annihilation.*

UNC REX owns the Existing Equipment, which was new at the time of acquisition. The Replacement Equipment will be acquired more than three years after the installation of the Existing Equipment unit and will be owned by UNC REX. As noted above, although the Replacement Equipment possesses some expanded capabilities due to technological improvements, the Replacement Equipment will perform the same general range of services as the existing unit. Therefore, the Replacement Equipment does not meet the definition of “*not comparable.*”

Disposition of Equipment

The Existing Equipment will be taken out of service, sold to the vendor, and will not be re-sold or re-installed in North Carolina without appropriate certificate of need approval.

Conclusion

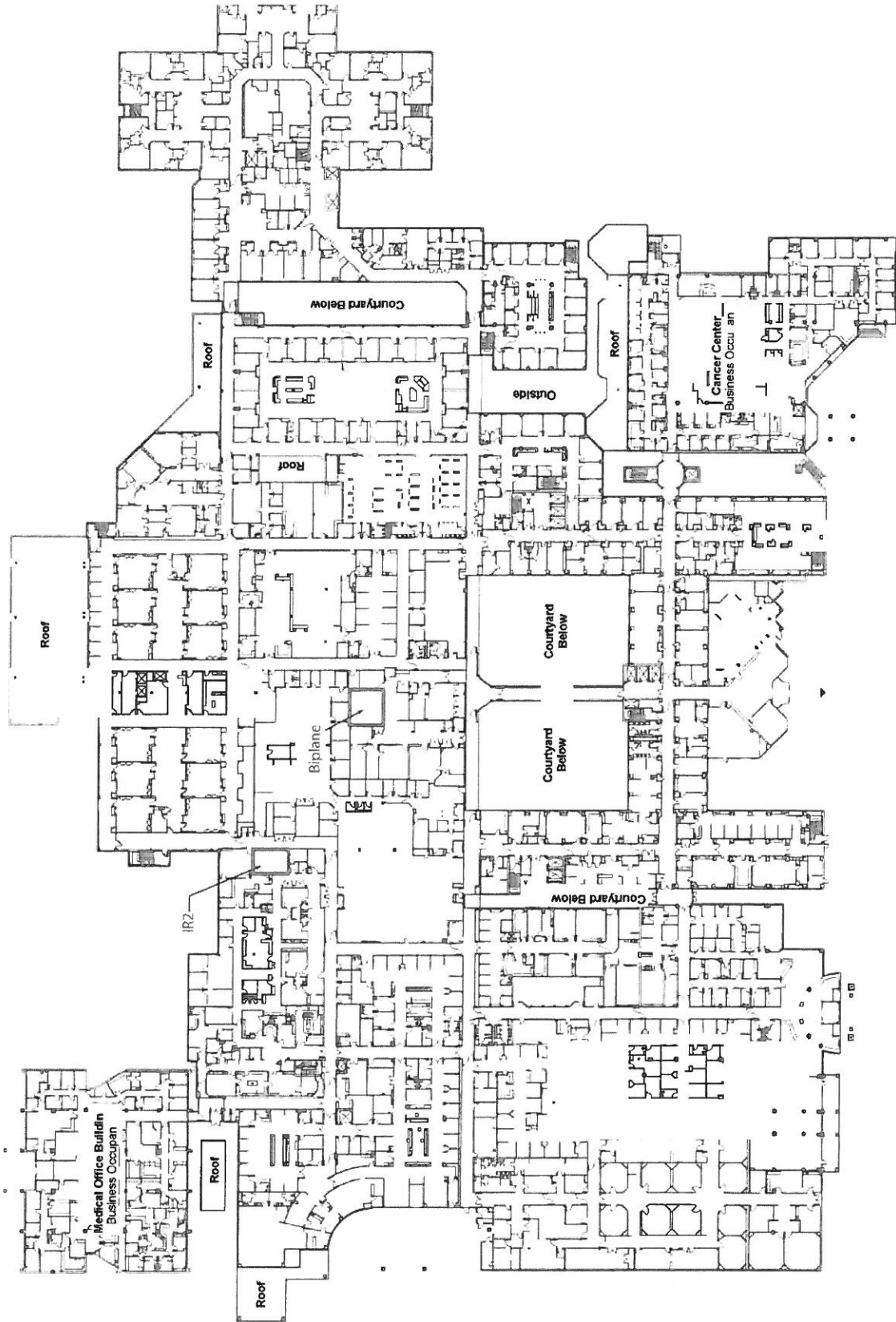
Based on the above facts, the proposed project is exempt from Certificate of Need review. We are requesting confirmation from your office to this fact. Please call me at 984-974-1243 if you have any questions or require additional information.

Sincerely,



Dee Jay Zerman, System Director
Regulatory Planning
UNC Health Care System
Attachments

E hibit 1



E hibit 2

State of North Carolina

Department of Health and Human Services Division of Health Service Regulation

*Effective January 01, 2017, this license is issued to
Rex Hospital, Inc.*

*to operate a hospital known as
Rex Hospital
located in Raleigh, North Carolina, Wake County.*

*This license is issued subject to the statutes of the
State of North Carolina, is not transferable and shall remain
in effect until amended by the issuing agency.*

Facility ID: 953429

License Number: H0065

Bed Capacity: 553
General Acute 433,
Nursing: 120

Dedicated Inpatient Surgical Operating Rooms: 3
Dedicated Ambulatory Surgical Operating Rooms: 3
Shared Surgical Operating Rooms: 24
Dedicated Endoscopy Rooms: 4

Authorized by:



Secretary, N.C. Department of Health and
Human Services



Director, Division of Health Service Regulation

E hibit 3

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355
Fax: (336) 856-9995

SIEMENS REPRESENTATIVE
Edwin Winicki - (336) 688-0978

Customer Number: 0000009446

Date: 4/21/2017

REX HOSPITAL
4420 LAKE BOONE TRAIL
RALEIGH, NC 27607

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.

Quote Number: 1-D4SDH5 Rev. 0
Trade: N/A – No Trade
Terms of Payment 00% Down, 80% Delivery, 20% Installation
Free On Board: Destination
Purchasing Agreement MedAssets
Terms and Conditions MedAssets terms and condition apply
Proposal Valid Until: 9/29/2017
Notes Final Quote - \$ 1,347,000

Siemens Artis PURE Bi-Plane

Qty	Part No.	Item Description
1	14434122	<p>Artis Q biplane Neurorad.</p> <p>Artis Q biplane for interventional neuroradiology The Artis Q product line is setting new standards in interventional imaging.</p> <p>The Artis Q biplane for interventional neuroradiology now features PURE(r). PURE adds smooth interaction to Siemens' smart technologies. It is designed to boost productivity and enhance outcomes for certain clinical applications while increasing image quality and reducing dose.</p> <p>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.</p> <p>Imaging two projections simultaneously saves time and contrast. With the floor or ceiling-mounted stand full patient coverage is achievable.</p> <p>The patient table is fitted with a freely movable patient positioning tabletop.</p> <p>The as40HDR and as20 flat detectors are optimized for radiology and allow for steep angulations.</p>

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Qty	Part No.	Item Description
		Digital acquisition technology and digital subtraction angiography with up to 7.5 f/s in 1k/12 bit 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	14432897	<p>Head-end table tilting</p> <p>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.</p> <p>Notes:</p> <p>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.</p> <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. 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</p>
1	14432925	<p>PERISTEPPING / PERIVISION</p> <p>Motorized stepping for real-time bolus chasing.</p> <p>Gantry stepping with zeego and ceiling mounted systems, table stepping with floor mounted and biplane systems.</p> <p>Peripheral digital angiography with stepping and online subtraction display.</p>
1	14434150	<p>FD as40HDR (B) ANGIO/SUR ins as20</p> <p>Enlarging your field of view</p> <p>When ordering this flat detector, the following components of the basic configuration</p> <ul style="list-style-type: none"> - as20 flat detector - Cardiac collimator <p>in plane B has been replaced by</p> <ul style="list-style-type: none"> - as40HDR flat detector - Angio collimator
1	14434151	<p>DYNAVISON DSA/DR</p> <p>Native or subtracted digital rotational angiography with angle triggering.</p>
1	14434154	<p>2nd 8 pedal wireless footswitch</p> <p>Additional 8-pedal wireless footswitch for release of fluoroscopy, exposure and table brake, selection and reset of mask in roadmap, as well as a configurable additional function.</p>
1	14432832	<p>syngo interv. Neuro Engine as40</p> <p>A dedicated workstation for reconstruction, post-processing and handling of 3D information including specific 2D and 3D applications for interventional neuroradiology. The package includes the following functionalities: 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. 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 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>
1	14432943	<p>Vascular analysis</p> <p>Vessel analysis with determination of degree of stenosis, distance measurement and calibration.</p>

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Qty	Part No.	Item Description
1	14434160	<p>Fluoro Loop</p> <p>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.</p>
1	14432948	<p>Automap</p> <p>Automatic stand positioning depending on the selected reference image and automatic reference image selection depending on the stand positioning.</p>
1	14432949	<p>MULTISPACE.F</p> <p>Manual stand rotation for additional work positions.</p>
1	14432950	<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>
2	14432953	<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. It provides the user an additional accessory rail. 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. 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	14434157	<p>Moveable upper body rad. protection</p> <p>This radiation shield protects the user from scattered radiation. For room heights up to 290 cm/ 114.2". 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. 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. Weight acrylic glass: 9 kg/ 19.8 lb. Weight support arm: 10 kg/ 22 lb. The operation range is limited when used with Artis floor/biplane MN.</p>
1	14434173	<p>Large Display large work area</p> <p>Preparation for the large color flat screen display on an extended arm for increased reach and working range. An additional cantilever beam extends the radial coverage of the display by approximately 60 cm.</p> <p>This extended suspension is installed on a ceiling-mounted carriage. The display holder is height-adjustable, longitudinally mobile and can swivel and rotate.</p> <p>In case of a ceiling-mounted or biplane configuration the carriage operates in the same rails as the C-arm carriage, which have been extended by 1.2 m for easy operation.</p> <p>This item also includes cables for the examination room.</p>

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Qty	Part No.	Item Description
		Note: The type of large display can be chosen with a separate position.
1	14443012	LD High Contrast panel size 55" 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.
1	14434176	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	14434231	Sec. operation in the control room Interface for connecting the additional system control from the control room. Rail profile for hanging control modules (e.g. the table module) in the control room. Safety button for switching off all system functions from the control room.
1	14440510	Secondary Hand Switch Ctrl (C Room) Additional hand switch for radiation release and additional control functions.
1	14434232	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	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 The microphone of the examination room is installed on the ceiling.
1	AXA_RIG_QBP _STD	Standard Rigging Q Q.Zen BP
1	AXA_INITIAL_3 2	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	AXA_FOLLOW UP_32	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	AXA_FOLLOW UP_12	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	AXA_FOLLOW UP_12	Follow-up training 12 hrs Up to (12) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during

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Qty	Part No.	Item Description
		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	AXA_ECLASS	e.class-Virtual Instructor Led Training AXA_ECLASS Tuition for up to (4) imaging professionals to participate in a Siemens instructor led virtual class. The virtual setting allows the participant to benefit from classroom training without the need to travel to a Siemens training center. 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	AXA_PURE_E SSCL	AX Artis PURE Essential Class Tuition for (1) imaging professional to attend Siemens class at Siemens Training Center. The Artis PURE Essentials Course is a 3.5-day classroom course beginning on Tuesday at 8:30 a.m. and ending on Friday at 12:00 p.m. It is designed to provide the participant with an in-depth knowledge of the essential functions of the Artis system as well as the skills needed to perform these functions. Through the use of demonstrations, lectures, and hands-on lab experience using an Artis system, participants will learn Artis system principles and workflows of patient examinations. Additionally, participants have the opportunity to meet other users and share their experiences and solutions to various challenges of the IR, cath lab, and the Hybrid OR environment. This class includes lunch, economy airfare, and lodging for (1) imaging professional. All arrangements must be arranged through Siemens designated travel agency. 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	AXA_PURE_3D ADVCL	AX PURE 3D Advanced Class Tuition for (1) imaging professional to attend Siemens class at Siemens Training Center. The Advanced PURE Applications classroom course is a 4 day classroom course beginning on Tuesday at 8:30 a.m. and ending on Friday at 4:30 p.m. This course will provide the participants with the in-depth knowledge of the essential functions of the PURE advanced 3D applications software as well as the skills needed to perform these functions. Through the use of demonstrations, lectures, and hands-on lab time on a PURE system, participants will learn the advanced post-processing techniques and advanced 3D applications for PURE software. This class includes lunch, economy airfare, and lodging for (1) imaging professional. All arrangements must be arranged through Siemens designated travel agency. 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.

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Qty	Part No.	Item Description
1	BART700PEDL	<p>Mark 7 Arterion, Pedestal System</p> <p>The Arterion Mark 7 Pedestal contrast medium injector can be positioned anywhere at the patient positioning table on a mobile unit, for direct operation of all functions in the examination room.</p> <p>The injector system includes:</p> <p>A mobile pedestal stand with electronics unit, a contrast medium heater and a connection cable to the manual release.</p> <p>A support arm with injector head and a control lever for moving the injector head.</p> <p>A user control console with large touch screen and corresponding additional monitoring display on the injector head.</p> <p>Functions</p> <p>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 Contrast medium heating: Nominal 35°C (95°F)+-5°C (9°F)</p> <p>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 (English). Power supply 200 V to 250 V; 50/60 Hz.</p>
1	AXA_ADDL_RIGGING	<p>Additional Rigging AXA \$4,640</p>

System Total: \$1,347,000

Rex Cancer Center, Rex Hospital
4420 Lake Boone Trail
Raleigh, NC 27607
Phone: (919) 784-3105
Website: www.rexhealth.com
Type: Hospital-based

Delegate Representative:

Mr. Tom Grates

Profile:

A nonprofit, acute-care institution, Rex Hospital was established in 1895. The cancer center was founded in 1987 and accredited by the ACoS in 1991. In 2000 Rex became part of the UNC Health Care System and has benefited from the collaboration with UNC Lineberger Cancer Center. Services begin with education/awareness/screening programs, continue through a full range of diagnostic and therapeutic services and survival services. Supportive services are available to patients and their families.

Oncology certified nurses, oncology certified nutritionist, social work, counseling, palliative care program, patient navigation, and outreach activities comprise our outreach and support initiatives to provide our patients with comprehensive care. Technology is state of the art in order to provide quality, safe patient care. Clinical trials are available through our association with University of North Carolina, Chapel Hill. In 2009 a satellite office opened in north Raleigh, Rex Cancer Center of Wakefield, providing both medical and radiation oncology. In 2010 a partnership with Johnston Health was formed to provide radiation oncology services to 2 sites, Smithfield and Clayton, NC. In the next 3 years a major construction project will be undertaken to build the NC Cancer Hospital at Rex.

Facility and Services:

New Cancer Patients per Year:	2350
Conducts Clinic Research:	Yes
Clinical Research:	NCI (Community Clinical Oncology Program) CCOP, Cooperative Group Outreach Program (CGOP), CTSU (Cancer Trials Support Unit)
Other Affiliations and Co-op Group Memberships:	CALGB, ECOG, NSABP, RTOG, University Related
Certifications:	No Data
Medical Oncology:	Ambulatory Chemotherapy Unit/Infusion Unit or Center
Treatment Chairs:	25
Treatment Beds:	32
Radiation Oncology Offered:	Onsite
CT Simulators:	2
Linear Accelerators:	5
Radiation Oncology:	3D/Conformal Radiation Therapy, Multileaf Collimator, Image Guided Radiation Therapy (IGRT), PET/CT, HDR Brachytherapy, Prostate Seed Implant, MammoSite
Breast Care Center:	Sentinel Lymph Node Biopsy, Breast MRI/Bx, Digital Mammography
Available Program Staff:	Cancer program medical director, Medical oncologist, Surgeon (oncology-specific), Radiation oncologist, Radiation therapist, GYN oncologist, Cancer patient navigator, Social worker, Cancer program administrator, Cancer registrar, Oncology pharmacist, Medical Physicist, Dosimetrist, Phlebotomist/Lab staff onsite
Support Services:	Resource library for patients, Survivorship program, Hospice program, Palliative care program, Genetic risk assessment/counseling, Lymphedema program, Nutrition counseling, Dedicated oncology dietitian, Oncology exercise/rehabilitation program, Counseling services, Integrated care (e.g. yoga, massage therapist, acupuncture), Pastoral care, Pain management services, Support services such as ACS Reach to Recovery, Road to Recovery, Look Good Feel Better, I Can Cope, etc
Additional Support Services:	Navigator services, rehabilitative services,