



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK PAYNE • Director, Division of Health Service Regulation

VIA EMAIL ONLY

October 3, 2023

Emily Cromer

[Emily.Cromer@unchealth.unc.edu](mailto:Emily.Cromer@unchealth.unc.edu)

**Exempt from Review – Replacement Equipment**

**Record #:** 4267  
**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 MRI scanner  
**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(f). Therefore, you may proceed to acquire without a certificate of need the Siemens MRI scanner to replace the Siemens MRI scanner (Serial # 25100). 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, DHSR

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 for MRI Unit / Orange**

Dear Ms. Mitchell and Ms. Bradford:

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

**A. Proposed Replacement Equipment**

UNCH is requesting a determination that its purchase of the replacement equipment is exempt from CON review under the replacement equipment exemption provisions contained in N.C. Gen. Stat. §131E-184(f)(1)-(3).

Under the provisions found at N.C. Gen. Stat. §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 monetary threshold set forth in G.S. 131E-176(22a) if all 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. The 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 proposing to purchase 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 by N.C. Gen. Stat. §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.

For the purposes of the foregoing Provisions in Section §131E-184(f)(1)-(3), the monetary threshold set forth in N.C. Gen. Stat. § G.S. 131E-176(22) is as follows:

- (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.

As per Section (f)(2) of the Main Campus Replacement Equipment Exemption, UNCH does not need to provide a previously issued certificate of need for the equipment being replaced if a certificate of need was not required at the time the equipment being replaced was initially purchased. The equipment being replaced was initially approved in 1984 and did not require a certificate of need. The original equipment, a Siemens Model SP-4000A/Vision unit, was purchased and installed in 1992 and subsequently replaced in 2004 by a Siemens MAGNETOM Avanto unit. The proposed replacement equipment is a Siemens MAGNETOM Vida unit.

### **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 \$2,877,200, including replacement equipment installation and existing equipment removal. The total capital cost, including minor renovations, is estimated to be \$4,198,200. Projected capital costs are provided in Exhibit 2. There will be no other capital costs associated with this replacement equipment.

### **C. Equipment Being Replaced is Located on the Main Campus**

The existing equipment is currently located and in use in the Scatliff MRI Center within the main building of the hospital, which is the main building from which UNCH provides clinical patient services. The replacement equipment will be placed in the same location. Thus, the equipment being replaced is on UNCH’s Main campus.

## **D. Comparable Equipment**

In addition to the foregoing, 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 be not 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(f).

Please do not hesitate to contact me at [Emily.Cromer@unchealth.unc.edu](mailto: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: 08/04/2023

**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.

<u>Table of Contents</u>	<u>Page</u>
MAGNETOM Vida - System (Quote Nr. CPQ-482956 Rev. 1).....	<b>Error! Bookmark not defined.</b>
OPTIONS for MAGNETOM Vida - System (Quote Nr. CPQ-482956 Rev. 1) .....	<b>Error! Bookmark not defined.</b>

**Contract Total: \$ 2,877,200**  
*(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-482956 Rev. 1

**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-482956

Customer certifies, and Siemens relies upon such certification, that : (a) VIZIENT MR - XR0394 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.

**MAGNETOM Vida 3T MRI**

Qty	Part No.	Item Description
1	14456200	<p><b>MAGNETOM Vida - System</b></p> <p>MAGNETOM Vida – the first BioMatrix system – leverages the intelligent combination of Tim 4G and the Siemens unique BioMatrix technology to be ready to embrace the unique set of challenges that each and every patient brings to the MRI exam.</p> <p>System Design</p> <ul style="list-style-type: none"> <li>- Short and open appearance (186 cm total system length cover-to-cover and 70 cm Open Bore Design) to reduce patient anxiety and claustrophobia</li> <li>- Whole-body superconductive Zero Helium Boil-Off 3T magnet</li> <li>- Weight-optimized magnet technology based on high performance 7T magnet design</li> <li>- Actively Shielded water-cooled Siemens gradient system for maximum performance</li> </ul> <p>Evolving from Total imaging matrix, MAGNETOM Vida comprises a new technology that addresses the intrinsic biovariability in humans - BioMatrix Technology.</p> <p>Tim 4G (Total imaging matrix in the 4th generation) for excellent image quality and speed</p> <ul style="list-style-type: none"> <li>- Siemens unique DirectRX technology enabling all digital-in/digital-out design</li> <li>- Dual-Density Signal Transfer Technology</li> </ul> <p>Push-button exams with GO technologies</p> <p>Select&amp;GO DotGO/ myExam Companion Recon&amp;GO MR View&amp;GO</p> <p>Tim Application Suite allowing excellent head-to-toe imaging for</p> <ul style="list-style-type: none"> <li>- Neuro</li> <li>- Angio</li> <li>- Cardiac</li> </ul>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		<ul style="list-style-type: none"> <li>- Body</li> <li>- Onco</li> <li>- Breast</li> <li>- Ortho</li> <li>- Pediatric</li> <li>- Scientific</li> </ul> <p>Further included</p> <ul style="list-style-type: none"> <li>- High performance host computer and measurement and reconstruction system</li> <li>- Patient communication including headphones</li> <li>- syngo MR software including</li> <li>- Turbo Suite Essential</li> <li>- 1D/2D PACE</li> <li>- BLADE</li> <li>- Phoenix</li> <li>- Inline Diffusion</li> <li>- MDDW (Multiple Direction Diffusion Weighting)</li> <li>- CISS</li> <li>- DESS</li> <li>- TGSE</li> <li>- Offline Composing</li> </ul>
1	14460161	<p><b>MR General Engine #Vi</b></p> <p>syngo.MR General Engine extends Numaris/X by adding dedicated workflows and tools for routine and advanced reading of MR examinations. A generic MR Basic workflow is provided, as well as specific MR Neurology, MR Prostate Reading, MR Breast Reading, and MR Cardio-Vascular workflows.</p>
1	14441748	<p><b>Quiet Suite #T+D</b></p> <p>Quiet Suite enables complete, quiet examinations for neurology and orthopedics with at least 70% reduction in sound pressure levels.</p>
1	14460162	<p><b>Tim Whole Body Suite #Vi</b></p> <p>Tim Whole Body Suite puts it all together. This suite enables table movement for imaging of up to 205 cm (6' 9") FoV without compromise. In combination with Tim's newly designed ultra-high density array higher spatial and temporal resolution can be achieved along with unmatched flexibility of any coverage up to Whole Body. For faster exams and greater diagnostic confidence.</p>
1	14460227	<p><b>Tim Planning Suite #Vi</b></p> <p>With the Tim Planning Suite, multiple regions in the entire body can be examined in a minimum of time through measurement planning on a single FoV of any desired size.</p>
1	14456329	<p><b>syngo TimCT FastView #Vi</b></p> <p>TimCT FastView is the "one go" localizer for the whole body or large body regions such as the whole spine or the whole abdomen. It acquires the complete extended Field of View in one volume with isotropic resolution. Transverse, coronal and sagittal reformats of the volume are calculated Inline and displayed for planning subsequent exams.</p> <ul style="list-style-type: none"> <li>- Inline reconstruction of the localizer images during the scan.</li> <li>- Localizing images in three planes over the maximum Field of View available for subsequent planning in all orientations.</li> <li>- TimCT FastView runs without laser light positioning to further streamline the workflow for several indications.</li> </ul>
1	14460160	<p><b>Advanced Diffusion #Vi</b></p> <p>QuietX DWI and RESOLVE together make up the Advanced Diffusion package.</p> <p>QuietX DWI enables quieter diffusion-weighted imaging of the brain with up to 70% reduction in sound pressure relative to conventional diffusion-weighted imaging. RESOLVE (Readout Segmentation Of Long Variable Echo-trains) is a multi-shot, readout segmented EPI sequence for high-resolution, low-distortion diffusion-weighted imaging (DWI). This technique is largely insensitive to susceptibility</p>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		effects, providing anatomically accurate diffusion imaging for the brain, spine, breast and prostate. In combination with syngo.MR Tractography, RESOLVE enables excellent white-matter tract imaging even in regions of high susceptibility, such as the spine.
1	14456327	<b>WARP &amp; Advanced WARP #Vi</b> WARP and Advanced WARP (SEMAC) integrates different techniques tailored to reduce susceptibility artifacts caused by orthopedic MR-conditional metal implants.
1	14456237	<b>Advanced Cardiac incl. PSIR #Vi</b> This package contains special sequences and protocols for advanced cardiac imaging including 3D and 4D BEAT functionalities. It supports advanced techniques for ventricular function imaging, dynamic imaging, tissue characterization, coronary imaging, and more.
1	14456323	<b>Inline Composing syngo #Se</b> Automatic anatomical or angiographic composing of multiple adjacent coronal or sagittal images for presentation and further evaluation. Composed images can be automatically loaded into Graphical Slice Positioning for scan planning purposes.
1	14456328	<b>BioMatrix Technology #Vi</b> The new and unique BioMatrix technology addresses the different aspects of patient bio-variability. It is based on three technological clusters: - BioMatrix Sensors address patient physiology, in order to anticipate challenges - BioMatrix Tuners address patient anatomy, in order to adapt to all patients, especially critical ones. - BioMatrix Interfaces address user interaction with the patient, to accelerate the workflow in the face of patient variability.
1	14470783	<b>BioMatrix Respiratory Sensors#Vi,So</b> Highly integrated BioMatrix Respiratory sensors measure the patient's breathing cycle in head-first and feet-first orientation.
1	14470794	<b>BioMatrix SliceAdjust #BM</b> BioMatrix SliceAdjust helps to avoid station boundaries and apparent broken spine artifacts as well as to preserve the SNR for whole-body diffusion.
1	14456210	<b>BioMatrix Dockable Table #Vi</b> The BioMatrix Dockable Table is designed for maximum patient comfort and smooth patient preparation. The BioMatrix Dockable Table can support up to 250 kg (550 lbs) without restricting the vertical or horizontal movement.
1	14470795	<b>BioMatrix Select &amp; GO #Vi,So</b> The BioMatrix Select&GO interface enables fast and easy single-touch patient positioning from both sides of the patient table. The interfaces are integrated left and right into the front covers. Correct positioning saves unnecessary wasted time for repositioning and additional adjustments, therefore shortening the total room time.
1	14456206	<b>Silver &amp; White Design #Vi</b> MAGNETOM Vida is available in different light and appealing design variants which perfectly integrate into different environments. The Silver &White Design Variant comprises a brilliant white front design ring with integrated unique Select&GO panels. The smoothly embracing deco area on the left side and the outer rings in the front and the back of the system is colored in brilliant silver. The table cover is presented also in the same color and material selection.
1	14456270	<b>PC Keyboard US English #Vi</b> Standard PC keyboard with 105 keys.
1	14456238	<b>Peripheral Pulse Unit #Vi</b> Peripheral Pulse Unit for Pulse Triggering
1	14461619	<b>Turbo Suite Essential #BM</b> Turbo Suite Essential comprises established acceleration techniques to maximize productivity for all contrasts, orientations and all routine imaging applications from



**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		head-to-toe.
1	14402527	<p><b>SWI #Tim</b> Susceptibility Weighted Imaging is a high-resolution 3D imaging technique for the brain with ultra-high sensitivity for microscopic magnetic field inhomogeneities caused by deoxygenated blood, products of blood decomposition and microscopic iron deposits. Among other things, the method allows for the highly sensitive proof of cerebral hemorrhages and the high-resolution display of venous cerebral blood vessels.</p>
1	14416946	<p><b>Neuro Perfusion Package #T+D</b> The Neuro Perfusions Package helps to streamline the clinical workflow by inline post-processing in dynamic susceptibility contrast (DSC) based perfusion imaging. This makes it possible to see perfusion maps immediately.</p> <p>Perfusion parameter maps are based on a Local Arterial Input function. A corrected relCBV map calculation and motion correction is provided.</p>
1	14460171	<p><b>syngo.MR Neuro Perfusion Engine #1</b> syngo.MR Neuro Perfusion Engine extends the MR Neurology workflow with a complete package for advanced processing and evaluation of brain perfusion datasets</p>
1	14409198	<p><b>Native syngo #Tim</b> Integrated software package with sequences and protocols for non-contrast-enhanced 3D MRA with high spatial resolution. syngo NATIVE particularly enables imaging of abdominal and peripheral vessels and is an alternative to MR angiography techniques with contrast medium, especially for patients with severe renal insufficiency.</p>
1	14441813	<p><b>QISS #T+D</b> Software package with QISS sequence, protocols and Dot AddIn for non-contrast-enhanced peripheral MRA. QISS particularly enables higher reproducibility than existing methods and is an alternative to MR angiography techniques with contrast medium, especially for patients with severe renal insufficiency.</p>
1	14456221	<p><b>Shoulder Shape 16 #Vi</b> The Shoulder Shape 16 combines the known benefits of Tim 4G coil technology with new highly flexible materials, resulting in unmatched image quality, high patient comfort and easy handling. The Shoulder Shape 16 for examinations of the left or right shoulder consists of an iPAT-compatible 16-channel shoulder coil in a flexible shoulder cup that can be shaped around small and large shoulders. An L-shaped cushion for easy positioning of the patient is included. The 16-element coil with 16 integrated pre-amplifiers ensures maximum signal-to-noise ratio. Shoulder Shape 16 will be connected via a SlideConnect plug for fast and easy coil set-up and patient preparation.</p>
1	14418513	<p><b>Hand/Wrist 16 #Sk</b> The new Tim 4G coil technology with Dual Density Signal Transfer and SlideConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility.</p> <p>Hand/Wrist 16 for examinations of the left or right hand and wrist region consists of a base plate and an iPAT compatible 16-channel coil and allows high-resolution imaging of the wrist and the hand within one examination. Hand/Wrist 16 will be connected via a SlideConnect plug for fast and easy patient preparation.</p>
1	14456217	<p><b>Tx/Rx Knee 18 #Vi</b> New 18-channel transmit/receive coil optimized for knee imaging. The spacious design with a flared opening towards the thigh allows scanning even of large and swollen knees with exceptional image quality and signal to noise ratio. Main features : - 18-element design (3x6 coil elements) with 18 integrated preamplifiers - iPAT-compatible</p>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		- SlideConnect Technology
1	14418514	<p><b>Foot/Ankle 16 #Sk</b> The new Tim 4G coil technology with Dual Density Signal Transfer and DirectConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility. Foot/Ankle 16 for examinations of the left or right foot and ankle region consists of a base plate and an iPAT compatible 16-channel coil and allows high-resolution imaging of the foot and ankle within one examination. Foot/Ankle 16 is a cable-less coil and will be connected via DirectConnect for fast and easy patient preparation.</p>
1	14469230	<p><b>Flex -&gt; UltraFlex Upgrade #3T</b> This option exchanges the Flex Small &amp; Large 4 coils incl. the Flex Coil Interface from the standard coil configuration for the superior UltraFlex Small &amp; Large 18. These are two lightweight, iPAT compatible, 18-element no-tune receive coils made of highly flexible and soft material.</p> <p>UltraFlex Large 18 Ideal for examinations of larger extremities (e.g. medium to large shoulder, hip, knee, ankle and hand) and for abdominal examinations. Dedicated positioning aids for larger extremities are delivered with the coil.</p> <p>UltraFlex Small 18 Ideal for examinations of smaller extremities (e.g. small to medium shoulder, smaller ankle, elbow and hand) and for abdominal examinations. Dedicated positioning aids for smaller extremities are delivered with the coil.</p>
1	14456282	<p><b>Positioning Aids Shoulder&amp;Ankle #Vi</b> This package contains additional positioning aids that can be used for the UltraFlex Large 18 and UltraFlex Small 18.</p>
1	14456241	<p><b>Separator 60kW/75kW #Vi</b> The SEP (Separation cabinet) has to be used if a central hospital chilled water supply is available or if a chiller of any brand/type is already available. The SEP is the interface between the on-site water chiller (of any brand or type) or the interface to the central hospital cooling water supply. For the above-mentioned cases the SEP is mandatory!</p> <p>In these cases, the primary water specifications must fulfill the requirements: XJ: 45kW; water temperature: 6 - 14°C XQ: 60kW; water temperature: 6 - 14°C XT: 75kW; water temperature: 6 - 12°C</p> <p>For all gradient systems: Flow: 100+-10l/min; pH value 6-8; max working pressure 6 bar.</p> <p>Dimensions: 1950mm x 650mm x 650mm (height x width x depth) Weight: approx. 350kg</p>
1	14460249	<p><b>UPS system #Vi</b> UPS system Liebert GXT5 3000IRT2UXLE for MAGNETOM NumX systems for safeguarding computers. Including Power Cable of 9 m for connecting the UPS. Power output: 3.0 kVA / 3 kW Bridge time: 3 min full load / 12 min half load Input voltage: 230 VAC</p>
1	14456316	<p><b>UPS Battery module (Libert GXT4 BATT)</b> UPS battery module Liebert GXT5 72VBATTE for MAGNETOM Aera, Skyra, Prisma, ESSENZA, Amira, Spectra, C! for safeguarding computers. Extension for: Liebert GXT5 3000IRT2UXLE (14456315) Battery type: Closed, maintenance-free Extension of the bridge time to: 21 minutes full load / 48 min half load with one module Dimensions (H x D x W): Battery module: 430 x 540 x 85 mm</p>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		Weight: approx. 30 kg
1	14456228	<b>System Start Timer #Vi</b> Timer clock that can be installed together with the MAGNETOM MR system to start the system automatically at user-definable times, eliminating waiting times during system boot up.
1	14475308	<b>myExam Brain Assist</b> myExam Brain Assist provides guided and flexible workflows. Optimized scan strategies are provided and can be selected based on the patient's condition, which allows for reproducible, high image quality and time efficient exams. The built-in flexibility allows users to change predefined strategies at any time during the brain workflow, and to personalize to the individual patient's condition and clinical need. myExam Brain Assist is customizable to the site-specific standards of care.
1	14475309	<b>myExam Spine Assist</b> myExam Spine Assist provides guided and flexible workflows for cervical, thoracic and lumbar spine. Optimized scan strategies are provided and can be selected based on the patient's condition, which allows for reproducible, high image quality and time efficient exams. The built-in flexibility allows users to change predefined strategies at any time during the spine workflow, and to personalize to the individual patient's condition and clinical need. myExam Spine Assist is customizable to the site-specific standards of care.
1	14475310	<b>myExam Large Joint Assist</b> myExam Large Joint Assist provides guided and flexible workflows for knee, hip and shoulder. Optimized scan strategies are provided and can be selected based on the patient's condition, which allows for reproducible, high image quality and time efficient exams. The built-in flexibility allows users to change predefined strategies at any time during the scan workflow, and to personalize to the individual patient's condition and clinical need. myExam Large Joint Assist is customizable to the site-specific standards of care.
1	14475447	<b>syngo Expert-i XA50/XA51</b> This software application enables remote access to the system (connected via local area network) for planning and processing.
1	14456201	<b>Tim [204x64] XQ Gradient #Vi</b> Tim [204x64] XQ-gradients performance level  Tim 4G's RF system and innovative coil architecture enables high-resolution imaging and increased throughput. The system provides a maximum number of 204 channels (coil elements) that can be connected simultaneously. Flexible parallel imaging is achieved by 64 independent receiver channels that can be used simultaneously in one single scan and in one single FOV, each generating an independent partial image.  XQ - gradients The XQ 45/200 gradients are designed for high performance and linearity to support clinical whole-body imaging at 3T. The XQ gradients combine 45 mT/m peak amplitude with a slew rate of 200 T/m/s. The force compensated gradient system minimizes vibration levels and acoustic noise.
1	14456214	High-performance measurement and reconstruction system <b>Standard Coil Package, 64-ch #Vi</b> This package includes (if not exchanged with different variants via respective quote items): - BioMatrix Head/Neck 20 tilttable with CoilShim - BioMatrix Spine 32 with Respiratory Sensors - Body 18 - Flex Large 4

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14470785	<p>- Flex Small 4 - Flex Coil Interface</p> <p><b>BioMatrix Beat Sensor #Vi, So</b> The BioMatrix Beat Sensor measures the motion of the heart and enables Cardiac triggering without the need of ECG triggering.</p>
1	14470792	<p><b>BioMatrix Coil Shim #Vi,So</b> BioMatrix CoilShim helps to reduce patient induced strongly localized B0 inhomogeneities by dedicated local shim channels.</p>
1	14456229	<p><b>High-End Computing [204x64] #Vi</b> Tim 4G power computing upgrade for MAGNETOM Vida with 64 receive channels. This upgrade brings a high-end image reconstruction computer to the Tim [204x64] configuration.</p>
1	14460313	<p><b>Dual Monitor Package #BM</b> The Dual Monitor Package provides a second 24" LCD monitor for the acquisition workplace, identical to the system main host monitor. The two monitors provide space for protocol planning and exam progress on the left monitor, as well as viewing and post-processing functionalities on the right monitor. The Dot Cockpit can be used on both monitors as a floating window. This improves the MR examination workflow by a smoother and more comfortable work space that avoids interruptions between planning, scanning, viewing and post-processing. It allows to keep running patient examinations always in sight to allow for fast interactions.</p>
1	14475335	<p><b>SW syngo MR XA50A</b> syngo MR XA50A is the new software platform, bringing the latest features and functionality for daily clinical excellence. syngo MR XA50A guides and enables the user throughout the entire workflow: from patient registration; patient set up with guided workflows on the Select&amp;GO; protocol management and selection; image acquisition and viewing; data handling; and post processing and reporting. This software together with the hardware enables diagnostic excellence for your daily clinical needs.</p> <p>The syngo MR XA50A platform offers myExam Companion which introduces a new MRI operation philosophy by providing built-in expertise and automation for users and clinical questions. myExam Companion provides different workflow modes for tailored assistance: myExam Assist and myExam Cockpit. No matter the user or patient, myExam Companion helps generate consistent, comprehensive results.</p>
1	14469015	<p><b>Turbo Suite Elite #BM</b> Turbo Suite Elite comprises cutting edge Compressed Sensing applications for advanced abdominal and cardio-vascular imaging with dynamic 2D and dynamic 3D applications to significantly reduce scan times, counter patient motion and expanding the patient population eligible for MRI.</p>
1	14469016	<p><b>Turbo Suite Elite Support #BM</b> Turbo Suite Elite Support provides Future Security for Turbo Suite Elite: - In consideration of Customer's purchase of the MAGNETOM MR scanner and simultaneous purchase of a 4 year point of sale Service Agreement with Evolve, and should such Evolve Upgrade installed during the term of the Service Agreement enable operation of dynamic Compressed Sensing options and/or Simultaneous Multi-Slice options, then Customer may choose to receive one such dynamic Compressed Sensing or Simultaneous Multi-Slice application option at no additional cost.</p>
1	14475508	<p><b>Turbo Suite Excelerate</b> Turbo Suite Excelerate comprises access to cutting edge acceleration techniques such as Simultaneous Multi-Slice, Compressed Sensing and Wave-CAIPI for static 2D and static 3D imaging applications in Neuro, MSK and Body MRI.</p>
1	14475525	<p><b>Deep Resolve Pro Package</b> The Deep Resolve Pro Package combines the three applications Deep Resolve</p>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14475529	Gain, Deep Resolve Sharp and Deep Resolve Boost which use intelligent reconstruction algorithms and Deep Learning networks to reconstruct accelerated images with higher signal to noise ratio and better image sharpness. <b>Deep Resolve Swift Brain as Add-on</b> Deep Resolve Swift Brain offers a set of highly accelerated clinical protocols for T1, T2, T2*, FLAIR and DWI contrasts for routine brain examinations. The acquisition uses, among others, a novel multi-shot EPI sequence including an image reconstruction in which Deep Learning-based algorithms are applied. The total acquisition time of all contrasts allows a drastically reduced table time for routine brain examinations including AutoAlign and the typical contrasts.
1	14475530	<b>BLADE Diffusion</b> Diffusion-weighted imaging with the new BLADE Diffusion sequence improves imaging in challenging regions with high B0 field inhomogeneities, e.g., in the middle ear region. As a non-EPI-based acquisition technique it is well-suited for this purpose. It is possible to combine this imaging technique with GRAPPA and SMS.
1	14456232	<b>DTI Package #Vi</b> This package combines Diffusion Tensor Imaging and syngo.MR Tractography.
1	14461562	<b>PCASL #BM</b> Blood labeling technique Pseudo Continuous Arterial Spin Labeling (PCASL).
1	14482844	<b>Arterial Spin Labeling 3D</b> ASL is a non-contrast-enhanced brain perfusion technique. A 3D volume is acquired with high SNR by using a turbo gradient spin echo technique and an ASL preparation module to achieve clinically feasible scan times. 3D ASL provides generation of relative CBF maps. For multi-TI experiments bolus arrival time maps can be generated.
1	14409110	<b>Arterial Spin Labeling 2D</b> ASL is a non-contrast-enhanced brain perfusion technique. EPI sequence enhanced for ASL (Arterial Spin Labeling) with preparation module (inversion pulse, saturation pulses) and selectable prospective motion correction. Perfusion-weighted color maps and relative cerebral blood flow (relCBF) color maps are calculated with Inline technology.
1	14475452	<b>myExam LiverLab Assist</b> myExam LiverLab Assist is a system guided workflow to examine the hepatic fat and iron status.
1	14470766	<b>MR Elastography incl. HW</b> MR Elastography offers a new diagnostic tool for all Tim+Dot systems that allows identifying variations in liver tissue stiffness. This option includes the HW starter set for Elastography (3rd party HW) and the Elastography SW.
1	14405316	<b>fMRI Trigger Converter</b> An optical trigger signal is available to trigger external stimulation devices in fMRI experiments. With the "fMRI Trigger Converter" this signal can be converted to an electrical signal (TTL/BNC and RS 232 interface for PC; modes: toggle or impulse).
1	14468976	<b>ZOOMit PRO</b> syngo ZOOMit provides EPI diffusion imaging of small, "zoomed" areas of interest while avoiding signal from surrounding tissue and minimizing artifacts from metal implants. Protocols for prostate imaging are provided.
1	14475473	<b>myExam Prostate Assist USA</b> The myExam Prostate Assist is using deep-learning trained algorithms to assist in planning, multiparametric prostate MR exams based on PI-RADS v2.1 recommendations and to guide the user through the examination in order to facilitate excellent image quality.

Key features of the myExam Prostate Assist are:

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		<ul style="list-style-type: none"> <li>- Step-by-step user guidance.</li> <li>- Automatic segmentation of the prostate.</li> <li>- Automatic coverage and slice positioning – taking into account the individual prostate anatomy.</li> <li>- MR prostate imaging according to PI-RADS (Prostate Imaging, Reporting and Data System) v2.1 recommendations.</li> <li>- Multiparametric examination including multiplanar T2-weighted imaging, diffusion-weighted imaging and T1-weighted lymph node imaging.</li> </ul>
1	08464740	<p><b>Flow Quantification #Tim</b></p> <p>Special sequences for quantitative assessment of flow i</p>
1	14446385	<p><b>MyoMaps # 3T</b></p> <p>This package contains special sequences and protocols for inline T1 and T2 calculation at the heart. The generation of T1 and T2 parametric maps is enhanced by the use of motion correction. T1 and T2 parametric maps could be used to support assessment of cardiovascular disease.</p>
1	14456235	<p><b>Spectroscopy Package #Vi</b></p> <p>This package combines the following functionalities:</p> <ul style="list-style-type: none"> <li>- Single-Voxel Spectroscopy,</li> <li>- 2D Chemical Shift Imaging,</li> <li>- 3D Chemical Shift Imaging,</li> <li>- syngo.MR Spectro Engine</li> </ul>
1	14470780	<p><b>BioMatrix Body 18 long #3T</b></p> <p>The BioMatrix Body 18 long combines Tim 4G coil technology with a new highly flexible and lightweight design to ensure excellent image quality, high patient comfort, and unmatched flexibility.</p> <p>Key features are:</p> <ul style="list-style-type: none"> <li>- 18 channels</li> <li>- Dual Density Signal Transfer</li> <li>- SlideConnect Technology</li> <li>- Highly flexible and light-weight design</li> <li>- Exchangeable cable design</li> </ul> <p>The 18-channel design with its 18 integrated pre-amplifiers ensures excellent signal-to-noise ratio while provide extensive coverage in all directions. The single SlideConnect plug allows for fast and easy patient preparation. The new highly flexible and light-weight design provides highest patient comfort. Through the exchangeable cable design, a single coil can be used with either a standard-sized cable (95 cm length) or a longer version (165 cm length). The BM Body 18 long is shipped with a long cable.</p> <p>The BioMatrix Body 18 long features:</p> <ul style="list-style-type: none"> <li>- 18-element design with 18 integrated preamplifiers (3 clusters of 6 elements each)</li> <li>- Operates in an integrated fashion with the system's spine coil</li> <li>- Can be combined with further Body 18 or BM Body 18 coils for larger coverage</li> <li>- Can be positioned in different orientations (0°, 90°, 180°, 270°) for patient specific adaptations</li> <li>- Requires no coil tuning</li> <li>- iPAT compatible in all directions</li> </ul> <p>The highly flexible design enables a wide variety of applications including:</p> <ul style="list-style-type: none"> <li>- Thorax (incl. heart)</li> <li>- Abdomen</li> <li>- Pelvis</li> <li>- Hip</li> <li>- Vascular</li> </ul> <p>The BioMatrix Body 18 long is typically combined with:</p> <ul style="list-style-type: none"> <li>- BM Head/Neck 20</li> </ul>



**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14469199	<ul style="list-style-type: none"> <li>- BM Spine coil</li> <li>- Additional Body 18 coil(s) or BM Body 18 coils (optional)</li> <li>- Peripheral Angio 36 (optional)</li> <li>- Flex Large 4</li> <li>- Flex Small 4</li> <li>- UltraFlex Large 18 (depending on availability, optional)</li> <li>- UltraFlex Small 18 (depending on availability, optional)</li> <li>- Loop coils (optional)</li> <li>- Endorectal coil (optional)</li> </ul> <p><b>Body 18 -&gt; BioMatrix Body 18</b></p> <p>This option exchanges the Body 18 coil from the standard coil configuration for the improved BioMatrix Body 18. Beside the same technical key benefits from the Body 18 coil, this coil has a new highly flexible and light-weight design.</p> <p>The BioMatrix Body 18 features:</p> <ul style="list-style-type: none"> <li>- 18-element design with 18 integrated preamplifiers (3 clusters of 6 elements each)</li> <li>- Operates in an integrated fashion with the system's spine coil</li> <li>- Can be combined with further Body 18 or BM Body 18 coils for larger coverage</li> <li>- Can be positioned in different orientations (0°, 90°, 180°, 270°) for patient specific adaptations</li> <li>- Requires no coil tuning</li> <li>- iPAT compatible in all directions</li> </ul> <p>The highly flexible design enables a wide variety of applications including:</p> <ul style="list-style-type: none"> <li>- Thorax (incl. heart)</li> <li>- Abdomen</li> <li>- Pelvis</li> <li>- Hip</li> <li>- Vascular</li> </ul> <p>The BioMatrix Body 18 is typically combined with:</p> <ul style="list-style-type: none"> <li>- BM Head/Neck 20</li> <li>- BM Spine coil</li> <li>- Additional Body 18 coil(s) or BM Body 18 coils (optional)</li> <li>- Peripheral Angio 36 (optional)</li> <li>- Flex Large 4</li> <li>- Flex Small 4</li> <li>- UltraFlex Large 18 (depending on availability, optional)</li> <li>- UltraFlex Small 18 (depending on availability, optional)</li> <li>- Loop coils (optional)</li> <li>- Endorectal coil (optional)</li> </ul>
1	14460299	<p><b>Contour 24 #Sk</b></p> <p>The Contour 24 combines Tim 4G coil technology with a novel, highly adaptive design to provide excellent image quality with unmatched patient experience.</p> <p>Key patient experience benefits are:</p> <ul style="list-style-type: none"> <li>- highly adaptive design for placement on the patient without the need for fixation</li> <li>- ultra light-weight</li> </ul> <p>Key imaging benefits are:</p> <ul style="list-style-type: none"> <li>- 24 channels or up to 36 in FoV (in combination with the Spine 32)</li> <li>- Dual Density Signal Transfer</li> <li>- SlideConnect Technology</li> </ul> <p>The Contour 24 features:</p> <ul style="list-style-type: none"> <li>- 24-element design with 24 integrated preamplifiers (4 clusters of 6 elements each)</li> <li>- operates in an integrated fashion with the system's BM spine coil</li> <li>- can be positioned in different orientations (0°, 90°, 180°, 270°) for patient specific adaptations</li> </ul>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
1	14418512	<ul style="list-style-type: none"> <li>- both coil sides functional</li> <li>- no coil tuning</li> <li>- iPAT compatible in all directions</li> <li>- SlideConnect Technology</li> </ul> <p>The highly adaptive design enables a wide variety of applications including:</p> <ul style="list-style-type: none"> <li>- Thorax (incl. heart)</li> <li>- Abdomen</li> <li>- Pelvis</li> <li>- Hip</li> <li>- Vascular</li> </ul> <p>Typically combined with:</p> <ul style="list-style-type: none"> <li>-BM Spine Coil</li> </ul> <p><b>Peripheral Angio 36 #Sk</b> The new Tim 4G coil technology with Dual Density Signal Transfer and SlideConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility:</p> <ul style="list-style-type: none"> <li>- 36 channels</li> <li>- Dual Density Signal Transfer</li> <li>- Ultra light-weight</li> <li>- SlideConnect Technology</li> </ul> <p>The 36-channel coil includes 36 integrated pre-amplifiers for excellent signal-to-noise ratio. The single SlideConnect Plug allows for fast and easy patient preparation.</p> <p>The Peripheral Angio 36 features:</p> <ul style="list-style-type: none"> <li>- 36-element design with 36 integrated preamplifiers, distributed over 6 planes with 6 elements each</li> <li>- Operates in an integrated fashion with Body coils and with Spine coil. For Whole-Body examinations also with a Head/ Neck coil.</li> <li>- Automatic table feed and active coil switch</li> <li>- Can be utilized head and feet first</li> <li>- Both legs are independently covered with coil elements, maximizing the coil filling factor and the signal-to-noise ratio</li> <li>- No coil tuning</li> <li>- iPAT-compatible</li> <li>- Dual-Density Signal Transfer enables ultra-high density coil designs by integrating key RF components into the local coil</li> <li>- SlideConnect technology for easy coil set up</li> <li>- One cable only for easy handling</li> <li>- Includes special non-ferromagnetic coil cart for safe, user-friendly storage</li> </ul> <p>Applications:</p> <ul style="list-style-type: none"> <li>- High-resolution angiography of both legs incl. Pelvis (by additional use of a Body coil) with highest signal-to-noise ratio</li> <li>- Visualization of the iliac arteries and aorta in combination with Body coils</li> <li>- Bilateral examinations of long bones of the legs</li> </ul> <p>Typically combined with: Head/ Neck coil, Body coil, Spine coil and all flexible coils such as Flex Large 4 or Flex Small 4</p>
1	14436666	<p><b>2/10/16ch Sentinelle BreastCoil #Sk</b> The 2/10/16-channel Sentinelle Breast Coil can be used as a breast imaging coil, a bilateral biopsy coil, as well as a unilateral biopsy coil providing large biopsy access.</p> <p>This coil consists of a positioning frame with exchangeable coils with different numbers of channels as described in detail in the E text.</p> <p>The preamplifiers are integrated into the coil.</p>



**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		The coil is iPAT-compatible.
1	14418519	<b>Tim Coil Interface 3T</b> Coil adapter plug for up to 8 receive and 1 transmit channels. This adapter will be required if the following Tim coils will be used on a compatible 3T MAGNETOM system with Tim 4G technology.
1	14456220	<b>Head/Neck 64 w/ CoilShim #Vi</b> The BioMatrix Head/Neck 64 with CoilShim combines the known benefits of Tim 4G coil technology with those of the new Siemens unique BioMatrix technology, resulting in unmatched image quality, high patient comfort and easy handling. Integrated BioMatrix Tuners: The integrated CoilShim elements minimize patient induced local anatomy-specific B0 field inhomogeneity, thus ensuring excellent image quality. The very open design ensures that patients will feel comfortable, while the anatomic design ensures highest signal-to noise ratio.  The BioMatrix Head/Neck 64 features: - 64-element design with 64 integrated preamplifiers, 55 elements in the head region, 9 elements in the neck region. - Integrated SlideConnect and DirectConnect technology - Combined head/neck coil for an optimized workflow of the head/neck region - Upper coil part removable - Lower coil part usable without upper part for highly claustrophobic patients - Smoothly integrated into the patient table with BioMatrix Spine - Cushioned head stabilizers (removable) - No coil tuning - iPAT-compatible in all directions - Optimized for sequences using iPAT <sup>2</sup> - Dual-Density Signal Transfer enables ultrahigh density coil designs by integrating key RF components into the local coil - Rear opening for up to 128 EEG electrode leads - Detachable look-out mirror  Applications: - Head examination - Neck examination - Cervical spine examination - MR Head Angiography, also time-resolved - MR Neck Angiography - Combined head / neck examination - TMJ (temporo mandibular joints)
1	14460428	<b>ACR Phantom Holder</b>
1	14407259	<b>MR Workplace Table, height adjust.</b> The table is suitable for the syngo Acquisition Workplace and the syngo MR Workplace based on syngo hardware. This 110V version has motorized table height adjustment.
1	14407261	<b>MR Workplace Container, 50cm</b> 50 cm wide extra case for the syngo host computer with sliding front door to allow change of storage media (CD/DVD/USB).
1	MR_STD_RIG_I NST	<b>MR Standard Rigging and Installation</b> MR Standard Rigging and Installation  This quotation includes standard rigging and installation of your new MAGNETOM system  Standard rigging into a room on ground floor level of the building during standard working hours (Mon. – Fri./ 8 a.m. to 5 p.m.) It remains the responsibility of the Customer to prepare the room in accordance with

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description
		<p>the SIEMENS planning documents</p> <p>Any rigging requiring a crane over 80 tons and/or special site requirements (e.g. removal of existing systems, etc.) is an incremental cost and the responsibility of the Customer.</p> <p>All other "out of scope" charges (not covered by the standard rigging and installation) will be identified during the site assessment and remain the responsibility of the Customer.</p>
1	MR_BTL_INSTALL	<b>MR Standard Rigging &amp; Install</b>
1	MR_PREINSTALL_DOCK	<b>T+D Preinstall kit for dockable table</b>
1	MR_CRYO	<b>Standard Cryogenics</b>
1	MR_PM	<p><b>MR Project Management</b></p> <p>A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemens equipment. The assigned PM will work with the customer's facilities management, architect or building contractor to assist you in ensuring that your site is ready for installation. Your PM will provide initial and final drawings and will coordinate the scheduling of the equipment, installation, and rigging, as well as the initiation of on-site clinical education.</p>
1	BMRXP200	<p><b>BAYER MEDRAD MRXperion</b></p> <p>The MRXperion injector has the following features:</p> <ul style="list-style-type: none"> <li>Streamlined Injection Workflow</li> <li>Enhanced Point of Care - On-board eGFR and Weight Based Dosing Calculators, an Injection Pressure Graph, and independent Test Inject and KVO functions.</li> <li>Informatics-ready - Connect with the Radimetrics Enterprise Platform for automated documentation, advanced analytics and viewable patient histories to facilitate standardized injection protocols and enhanced operational consistency.</li> <li>Maximized Uptime Support - Connect to VirtualCare Remote Support for advanced injector system diagnostics, seamless software updates, and fast repairs.</li> </ul>
1	BMRXPENPNL	<p>Price includes installation, training and one year warranty through Bayer Healthcare.</p> <p><b>MRXperion penetration panel</b></p> <p>Includes penetration panel and installation by Bayer.</p> <p>To be selected only if the customer has no wall outlets in the MR suite and requires the power to be sourced from outside the room.</p>
1	MRIMAB_100	<b>MRI Armboard w/ Pad</b>
1	MR_BUDG_ADDL_RIG	<b>Budgetary Add'l/Out of Scope Rigging</b>
1	MR_EP1_28	<p><b>Essential Training PH 1 (Onsite-28) MR</b></p> <p>Up to (28) hours of on-site clinical education training, scheduled consecutively (Monday – Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund</p>
1	MR_EP2_24	<p><b>Essential Training PH 2 (Onsite-24) MR</b></p> <p>Up to (24) hours of on-site clinical education training, scheduled consecutively (Monday – Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>



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

**SIEMENS REPRESENTATIVE**  
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**PRELIMINARY PROPOSAL**

**Qty    Part No.    Item Description**

**System Total                    \$ 2,877,200**

**PRELIMINARY PROPOSAL**

**OPTIONS for Vida on Quote Nr : CPQ-482956**

Qty	Part No.	Item Description	Extended Price
1	HASKRISFG23 041	<p><b>Haskris OPC24 Chiller- 63kW</b>            The Haskris outdoor, air-cooled, water/glycol chiller has been specially designed for medical applications to provide stable, fully dedicated cooling to a single MR system.</p> <p>The Haskris chiller must be used in combination with a Siemens SEP cabinet.</p> <p>The Haskris chiller is suitable for use in all siting conditions: normal, coastal, low-ambient, and/or OSHPD-compliant locations.</p> <p>Specifications            Cooling Capacity: 63kW            Fluid Supply Temp: 43°F (6°C) to 59°F (15°C)            Pump Capacity: 32 GPM (120 LPM)            Condenser: Air-cooled (heat dissipated into ambient air)            Outdoor ambient air temperature: -40°F (-40°C) to 122°F (50°C)            Electrical: 460V-3Ø-60Hz            Dimensions: 77"W x 40"D x 74"H (196cm x 102cm x 188cm)</p> <p>Siemens' Pricing Also Includes:            Delivery            Chiller Start-Up (Post Installation)            1x Preventative Maintenance Service Visit            Remote Monitoring Panel with 1-Year Cellular Connectivity and Cloud Service</p> <p>Installation:            Customer is responsible for the rigging and installation of the chiller.            Customer is responsible for providing a 35% solution of propylene glycol with water; 25 gal (95 L) for the chiller plus 1 gal (3.8 L) per 10 ft (3m) external pipe run assuming 1 ½" pipe diameter.</p> <p>Warranty:            12 months from date of Start-Up</p>	<b>+ \$ 52,024</b>
1	HASKRIS_STA RTUP	<p><b>Haskris Chiller Start-Up</b>            Chiller start-up by Haskris vendor after installation of chiller and completion of paperwork.</p>	<b>+ \$ 0</b>
1	14460295	<p><b>Advanced Host Computer</b>            The Advanced Host Computer offers increased computing power and increased memory for supporting an external syngo MR Workplace (optional) and/or to give a performance boost to applications that generate and process large data sets (e.g. BOLD imaging, fMRI post-processing).</p>	<b>+ \$ 15,600</b>
1	14416948	<p><b>Patient Supervision TV #T+D</b>            This package contains a special video camera for monitoring the patient during an MR examination, conveniently mounted on the wall of the examination room. The information is displayed on an LCD monitor in the control room, included in this kit.</p> <p>The video monitoring solution is customizable and designed to address different site specific requirements. Up to 4 cameras can be optionally connected for patient supervision in the examination or waiting room.</p>	<b>+ \$ 15,600</b>

**PRELIMINARY PROPOSAL**

Qty	Part No.	Item Description	Extended Price
1	14405341	<p>This feature provides a connection from the radiographer to the patient. It improves the patient experience by reducing anxiety through virtual hand-holding.</p> <p><b>Mapit syngo #Tim</b> Based on the T1, T2 or T2* properties of the cartilage syngo ParametricMap allows the early detection of osteoarthritic break down of cartilage structures even before morphological changes occur. The method supports therapeutic decisions in individual patients and can be used to control treatments non-invasively, replacing surgeries or biopsies. The assessment of T1, T2 and T2* properties of tissues in other body regions is also possible. syngo ParametricMap provides very fast 2D and 3D high-resolution imaging sequences and the Inline calculation of parametric maps for the T1, T2 and T2* properties of the imaged tissue.</p>	<b>+ \$ 9,126</b>
1	14475455	<p><b>myExam Cardiac Assist USA</b> Cardiac examinations used to be the most complex exams in MR. Now myExam Cardiac Assist supports the user in many ways. Using anatomical landmarks, standard views of the heart, such as dedicated long axis and short-axis views, are easily generated and can easily be reproduced using different scanning techniques. Scan parameters are adjusted to the patient's heart rate and automatic voice commands are given. All of this takes most of the complexity out of a cardiac exam and supports customized workflows that are easy to repeat. Every time.</p>	<b>+ \$ 39,100</b>
1	14469205	<p><b>Breast Biopsy #BM</b> The Breast Biopsy Software is a professional solution for a fast and accurate MR biopsy workflow.</p>	<b>+ \$ 23,400</b>
1	14441810	<p><b>Body 30 #3T</b> The Tim 4G coil technology with Dual Density Signal Transfer and SlideConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility: - 30 channels or up to 46 (in combination with the Spine 32) - Dual Density Signal Transfer - Ultra light-weight - Highly flexible viscoelastic material - SlideConnect Technology</p> <p>The Body 30 features: - 30-element design with 30 integrated preamplifiers (5 clusters of 6 elements each) - Can be combined with further coils for larger coverage - Can be positioned in different orientations (0°, 90°, 180°, 270°) for patient specific adaptations - No coil tuning - iPAT compatible in all directions</p> <p>The highly flexible design allows the usage for: - Thorax (incl. heart) - Abdomen - Pelvis (incl. prostate) - Hip - Angiography</p> <p>Dedicated protocols are provided for abdominal imaging.</p> <p>Typically combined with: - Spine 32 - Body 18 - Body 18 long (optional) - Peripheral Angio 36 (optional) - Body 30 (optional)</p>	<b>+ \$ 78,000</b>

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**PRELIMINARY PROPOSAL**

<b>Qty</b>	<b>Part No.</b>	<b>Item Description</b>	<b>Extended Price</b>
1	14426333	<b>Tx/Rx CP Head Coil #Sk</b> Circularly polarized no-tune transmit/receive coil with an open patient-friendly design. The integrated transmit mode allows volume selective excitation. Integrated, extremely low-noise pre-amplifiers permit very high signal-to-noise ratio. Furthermore, the coil is outfit with SlideConnect Technology, allowing for easier patient preparation and less table time for the patient.	<b>+ \$ 70,200</b>

**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.

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### Projected Capital Cost Form

Building Purchase Price	\$
Purchase Price of Land	\$
Closing Costs	\$
Site Preparation	\$
Construction/Renovation Contract(s)	\$1,160,700
Landscaping	\$
Architect / Engineering Fees	\$160,300
Medical Equipment	\$2,877,200
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)	\$
<b>Total Capital Cost</b>	<b>\$4,198,200</b>

#### 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 Trimberger*  
 \_\_\_\_\_  
 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)	MRI	MRI
Manufacturer	Siemens	Siemens
Model number	Avanto	TBD
Other method of identifying the equipment (e.g., Room #, Serial Number, VIN #)	25100	TBD
Is the equipment mobile or fixed?	Fixed	Fixed
Date of acquisition	9/1/2004	TBD
Was the existing equipment new or used when acquired? / Is the replacement equipment new or used?	New	New
Total projected capital cost of the project <Attach a signed Projected Capital Cost form>	NA	See Exhibit 2
Total cost of the equipment	\$1,514,070	\$2,877,200
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 <b>average charge per procedure</b> ?	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 <b>average operating expense per procedure</b> ?	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



**From:** [Mitchell, Micheala L](#)  
**To:** [Stancil, Tiffany C](#)  
**Subject:** FW: [External] UNC Hospitals MRI Scanner Replacement Exemption  
**Date:** Wednesday, August 30, 2023 12:10:39 PM  
**Attachments:** [2023.8.30 UNCH MRI Replacement Exemption-Main Campus.pdf](#)

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This exemption also goes to Cindy.

Thanks,

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  
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Office: 919 855 3879  
[Micheala.Mitchell@dhhs.nc.gov](mailto: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](#)

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**From:** Cromer, Emily <[Emily.Cromer@unchealth.unc.edu](mailto:Emily.Cromer@unchealth.unc.edu)>  
**Sent:** Wednesday, August 30, 2023 12:07 PM  
**To:** Bradford, Cynthia L <[cynthia.bradford@dhhs.nc.gov](mailto:cynthia.bradford@dhhs.nc.gov)>; Mitchell, Micheala L <[Micheala.Mitchell@dhhs.nc.gov](mailto:Micheala.Mitchell@dhhs.nc.gov)>  
**Subject:** [External] UNC Hospitals MRI Scanner Replacement Exemption

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Cindy and Micheala,

Attached is a main campus replacement exemption notice for the replacement of an existing MRI scanner 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](mailto:emily.cromer@unchealth.unc.edu)

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