North Carolina Department of Health and Human Services
Division of Health Service Regulation

Pat McCrory
Governor

Aldona Z. Wos, M.D.
Ambassador (Ret.)
Secretary DHHS

Drexdal Pratt
Division Director

March 27, 2015

Jeffrey Shovelin
Vidant Medical Center
Post Office Box 27835
Greenville, NC 27835--6028

Exempt from Review - Replacement Equipment

Facility:	Vidant Edgecombe Hospital
Project Description:	Replace existing CT scanner
County:	Edgecombe
FID #:	923247

Dear Mr. Shovelin:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of March 18, 2015, the above referenced proposal is exempt from certificate of need review in accordance with G.S 131E-184(a)(7). Therefore, you may proceed to acquire, without a certificate of need, the Optima CT600 CT Scanner to replace the existing LightSpeed 16 CT Scanner, located in Room 042. This determination is based on your representations that the existing unit will be removed from North Carolina and will not be used again in the State without first obtaining a certificate of need.

Moreover, you need to contact the Agency's Construction and Acute 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,

Bernetta Thorne-Williams
Project Analyst

Martha J. Frisone,
Assistant Chief, Certificate of Need

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

Healthcare Planning and Certificate of Need Section
www.ncdhhs.gov
Telephone: 919-855-3873 • Fax: 919-733-8139
Location: Edgerton Building • 809 Ruggles Drive • Raleigh, NC 27603
Mailing Address: 2704 Mail Service Center •Raleigh, NC 27699-2704
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FID# 923247

VIDANT HEALTH™

Received by the CON Section MAR 20 2015

March 18, 2015

Ms. Jane Rhoe-Jones
Certificate of Need Section
Division of Health Service Regulation
NC Department of Health and Human Services
2704 Mail Service Center
Raleigh, NC 27699-2704

RE: Request for "No Review" for Replacement CT Scanner at Vidant Edgecombe Hospital in Tarboro, NC (Edgecombe County)

Dear Ms. Rhoe-Jones:

Vidant Edgecombe Hospital (VEDG) plans to replace an existing CT scanner with new equipment. VEDG believes that the proposed equipment replacement is not subject to review under North Carolina's Certificate of Need (CON) laws.

The proposed project includes the replacement of a GE LightSpeed 16 CT Scanner with a GE Optima CT600 CT Scanner (see Appendix A for vendor quotes and Appendix B for equipment comparison table and brochure). VEDG will locate the replacement scanner in the same location as the existing equipment (see Appendix C for current and proposed floor plans). The reason for this replacement is due to age and the need for upgraded technology to provide optimal care. The total capital costs for the proposed replacement is estimated to be $667,325 (see Appendix D for the capital cost sheet). These costs include all expenses associated with the equipment and renovations. The project will be funded through accumulated reserves. After the new equipment is operational, the existing equipment will be permanently removed from the facility and will no longer be exempt from CON law (see Appendix E for required documentation of equipment removal).

VEDG's proposed project meets the definition of replacement equipment found in G.S. 131E-176(22a). The total capital expenditure for the equipment is less than $2,000,000 and the equipment being purchased is for the sole purpose of replacing comparable medical equipment. Since VEDG's proposal meets the definition of "replacement equipment", G.S. 131E-184(a)(7) exempts this project from review. Therefore, VEDG requests approval of a no review status for the proposed project.

If you require additional information or clarification, please contact me at (252)-847-3631.

Jeffrey Shovelin
Director of Corporate Planning
Vidant Health

Appendix A

Vendor Quote

Quotation Number: PR7-C27386 V 1

Vidant Edgecombe Hospital
111 Hospital Dr
Tarboro NC 27886-2011

Attn: Susan Ainsley
111 Hospital Dr Tarboro
NC 27886-2011

Date: 07-28-2014

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified herein. GE Healthcare agrees to provide and Customer agrees to pay for the Products listed in this GE Healthcare Quotation ("Quotation"). "Agreement" is defined as this Quotation and the terms and conditions set forth in either (i) the Governing Agreement identified below or (ii) if no Governing Agreement is identified, the following documents:

1) This Quotation that identifies the Product offerings purchased or licensed by Customer;

2) The following documents, as applicable, if attached to this Quotation: (i) GE Healthcare Warranty(ies); (ii) GE Healthcare Additional Terms and Conditions; (iii) GE Healthcare Product Terms and Conditions; and (iv) GE Healthcare General Terms and Conditions.

In the event of conflict among the foregoing items, the order of precedence is as listed above.

This Quotation is subject to withdrawal by GE Healthcare at any time before acceptance. Customer accepts by signing and returning this Quotation or by otherwise providing evidence of acceptance satisfactory to GE Healthcare. Upon acceptance, this Quotation and the related terms and conditions listed above (or the Governing Agreement, if any) shall constitute the complete and final agreement of the parties relating to the Products identified in this Quotation. The parties agree that they have not relied on any oral or written terms, conditions, representations or warranties outside those expressly stated or incorporated by reference in this Agreement in making their decisions to enter into this Agreement. No agreement or understanding, oral or written, in any way purporting to modify this Agreement, whether contained in Customer's purchase order or shipping release forms, or elsewhere, shall be binding unless hereafter agreed to in writing by authorized representatives of both parties. Each party objects to any terms inconsistent with this Agreement proposed by either party unless agreed to in writing and signed by authorized representatives of both parties, and neither the subsequent lack of objection to any such terms, nor the delivery of the Products, shall constitute an agreement by either party to any such terms.

By signing below, each party certifies that it has not made any handwritten modifications. Manual changes or mark-ups on this Agreement (except signatures in the signature blocks and an indication in the form of payment section below) will be void.

- Terms of Delivery: FOB Destination
- Quotation Expiration Date: 10-26-2014
- Billing Terms: 80% on Delivery/ 20% on Acceptance or First Patient Use
- Payment Terms: NET 30
- Governing Agreement: Novation

Each party has caused this agreement to be signed by an authorized representative on the date set forth below. Please submit purchase orders to GE Healthcare

Please submit Purchase Orders to: General Electric Company, GE Healthcare, 3000 N. Grandview Blvd., Mail Code WT-897, Waukesha, WI 53188

GE HEALTHCARE

James Benecki
07-28-2014
Product Sales Specialist

US
Phone: +1 615 390 3634
Fax: (910) 401-1049
Jim.Benecki@ge.com

CUSTOMER

Authorized Customer Date

Print Name and Title

PO #

Desired Equipment First Use Date

GE Healthcare will use reasonable efforts to meet Customer's desired equipment first use date. The actual delivery date will be mutually agreed upon by the parties.

INDICATE FORM OF PAYMENT:

If "GE HFS Loan" or "GE HFS Lease" is NOT selected at the time of signature, then you may NOT elect to seek financing with GE Healthcare Financial Services (GE HFS) to fund this arrangement after shipment.

____Cash/Third Party Loan

____GE HFS Lease

____GE HFS Loan

____Third Party Lease (please identify financing company) _____

Qty	Catalog No.	Description
1	S7660CT	The Optima CT660 is GE's latest generation intelligent CT system. It is a scalable 64 slice platform including advanced innovations from our Discovery Series (TM). This means that Optima CT660 is capable of addressing your advanced clinical needs. Optima CT660 with Xtream gantry display is ready to help you deliver personalized care for your demanding patient schedule and quickly manage your unscheduled ED exams. With the Optima CT660 you get fast, high-quality acquisition at optimized dose for patients young and old, large and small, across a wide spectrum of procedures: angiography, brain, chest, abdomen, orthopedic, and more. Key Features: • Exclusive V-Res (TM) Detector technology providing 20mm of 0.625mm or 40mm of 1.25mm acquisitions • Volara* XT Digital DAS (Data Acquisition System): The Volara* XT digital DAS for faster sampling and improved image performance and reduced artifacts • Fast coverage speed of 110mm/sec • Full 360 degree rotation in 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0 and 2.0 (axial) seconds, ensuring short breath holds, comfortable exams and flexibility to customize protocols for unique patient needs with minimal coverage impact • Routine thin slice scanning, as thin as 0.625mm or 1.25mm optimizing the use of thinner images for sagittal, coronal, oblique, and volume image presentation and review • The overlapped reconstruction feature enables 192 slices reconstruction in helical acquisitions and 64 slices per rotation in axial mode delivering improved Z-axis visualization performance relative to non-overlapped reconstruction • Highly efficient compact geometry design delivering optimum performance of the x-ray tube and generator • Image decomposition to: - Retrospective thin images from data sets where thicker images were initially reconstructed - Facilitates more detailed image analysis - Improves 3D and reformat visualization • Neuro 3D Filter provides users the capability to filter head acquisition data using specially designed and optimized 3D filters. Neuro 3D Filter is not available when ASiR is implemented. Fast, User-Friendly Simultaneous Workflow: • Advanced Workflow Platform, the next evolution of GE's workflow platform built to help you maximize productivity. - Delivers up to 16 images per second (ips) reconstruction - Image Check delivers up to 55 images per second (ips) reconstruction (340x340

Qty	Catalog No.	Description

matrix)
  - Up to 10 fps network transfer rates
  - Direct Multiplanar Reformats (DMPR) that enables the move from 2D review to prospective 3D review of sagittal, coronal and oblique planes automatically
  - Data Export and Interchange that allow you to easily share images with referring physicians and patients
- One Stop ED mode: Optima CT660's exclusive 12" Xtream touch display on the gantry enables unique one stop ED scanning to streamlined ED exam workflow allowing patient selection, protocol selection and confirming exam parameters directly at the gantry, without having to leave the patients side.
- Includes reference protocols and the ability to customize your own for a total of 6,840 programmable protocols
- SmartPrep with Dynamic Transition allows low dose intermittent monitoring of intravenous contrast enhancement in a user-selected section of anatomy. With Dynamic Transition when the prescribed contrast enhancement is reached the system will automatically transition from the monitoring phase to the scan phase
- 10 Prospective Multiple Reconstructions: Up to 10 reconstructions can be pre-programmed as part of the scan protocol prior to acquisition. The operator can select different start/end location, slice thickness, interval, interval reconstruction algorithms and display fields of view for each reconstruction. Assisting to prospectively prescribing the image reconstructions needed, even for complex trauma exams and freeing the user up to focus on the patient
- Remote tilt from the operator console to increase exam speed
- Built-in breathing lights with a countdown timer, so the patient does not have to guess how much longer to hold their breath
- New built-in 12-inch touch screen gantry display allows technologists to deliver personalized care by displaying the patient's name on it. When not scanning, the video of relaxing scenes or cartoons may have a calming effect on children or patients of all ages
- By using the One Step patient positioning on built-in 12-inch touch screen gantry display the bed provides automatic positioning according to the type of exam, reducing manual positioning and streamlining workflow
- In room start button mounted on gantry with countdown display, facilitates single technologist operation and improved departmental productivity
- GE software allows you to automate or build every task into the protocols to increase throughput
- Has up to 250,000 uncompressed 512 x 2 image files storage capacity, and 3,520 scan rotations, or up to 1,500 scan data files, or up to 300 exams

Qty	Catalog No.	Description

Dose Management Leadership:

- OptiDose management features: new bowtie filters optimized for adult and pediatric body exams, full 3D dose modulation, color coding for kids, tracking collimator hardware and software for x-ray beam tracking to name a few of GE's dose optimization features, all based on the ALARA principle
- Dynamic Z-axis tracking provides automatic and continuous correction of the x-ray beam shape to block unused x-ray at the beginning and end of a helical scan to reduce unnessary patient radiation
- 3D Dose modulation - Before the scan, clinicians must select the desired Noise Index as well as the minimum and maximum mA setting. The system automatically accounts for the changing dimensions of the patient's anatomy enabling patient to patient reproducibility in this aspect of image quality and real-time x-y-z during each scan
- Tracking collimator hardware and software for x-ray beam tracking to minimize patient dose
- Filtration of the x-ay beam is optimized independently for body and head applications
- DLP (dose length product), and dose efficiency display during scan prescription provides the patient's dose information to the operator
- Dose Reporting provides access to the CTDIvol and DLP with the patient record prior and post exam. DICOM Structured Dose Report is also supported.
- Dose Check provides the user with tools to help them manage CT dose in clinical practice and is based on the standard XR-25-2010 published by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA). Dose Check provides the following:
  - Checking against a Notification Value if the estimated dose for the scan is above your site established value
  - Checking against an Alert Value where the user needs specific authority to continue the scan at the current estimated dose without changing the scan parameters if the estimated dose exceeds the alert value
  - The ability to define Alert Values for

    Adult and Pediatric with age threshold
  - Audit logging and review capabilities
  - Protocol Change Control capabilities

The Advanced Reconstruction breaks through existing limits on speed, image quality and flexibility to provide an optimized volumetric workflow solution from acquisition to final report and has the capability to deliver up to 16 full fidelity images per second (ips) reconstruction and 10 fps network transfer rates.

Clinical Benefits:

Qty	Catalog No.	Description

- CTA runoffs
- Thin slices fast; routine use of thin slices
- Organ coverage in arterial phase
- Long helical scans
- Multi-phase organ studies
- Improved multi-planar reformats with isotropic microvoxel imaging
- Fast scanning with outstanding image performance and GE's proprietary cross beam and hyperplane helical reconstruction algorithms
- System designed for optimization of z-axis resolution and dose with 0.625mm slice thickness

System Components:

Gantry:

- Advanced slip ring design continuously rotates the generator, Performix 40 X-ray tube, detector and Volara XT digital data acquisition system around the patient.
  - Aperture: 70 cm
  - Maximum SFOV: 50 cm
  - Rotational Speeds: 360 degrees in 0.4 0.5, 0.6, 0.7, 0.8, 0.9, 1.0 and 2.0 (axial) seconds
  - Tilt: +/ 30 degrees, speed 1 degree/sec
  - Remote tilt from operator's console
  - Integrated breathing lights and countdown timer
  - Integrated 12-inch touch screen on gantry with workflow features
  - Integrated start scan button with countdown timer to indicate when x-ray will turn on
- Visual readout is easy to read from the tableside or from the operator console. Gantry tilt controls are located on the side of the gantry.

Laser Alignment Lights:

- Defined internal and external scan planes to +/- 1mm accuracy
- Operate over full range of gantry tilt
- Coronal light remains perpendicular to axial light as gantry tilts

Table:

- Cantilever design for easy access
- Vertical range: 43.0 cm to 99.1 cm
- Vertical scannable range: 79.1 cm to 99.1
- Horizontal range: 1,745 mm (VT1700 Table), or 2,045 mm (VT 2000 Table)

Qty	Catalog No.	Description

- Horizontal speed: up to 137.5 mm/sec
- Table load capacity: 227 kg (500 lb) +/- 0.25mm positional accuracy

X-ray Tube: Performix 40 metal-ceramic tube unit

- Performix 40 tube with 6.3 MHU of storage and capable of 72kW operation provides increased helical performance with greater patient throughput
- Wide range of technique (10 mA to 560 mA, in 5 mA increments) gives technologist and physician flexibility to tailor protocols to specific patient needs, while optimizing patient dose, and providing the power needed to perform a broad spectrum of examinations.
- Maximum anode heat storage capacity: 6.3 MHU
- Dual Focal Spots:
  - Small Focal Spot: 0.9 x 0.7 IEC60336:2005
  - Large Focal Spot: 1.2 x 1.1 IEC60336:2005
- Maximum power: 72 kW
- Beam collimated to 56 degree fan angle

High Voltage Generator: High Frequency on-board generator allows for continuous operation during scan.

- 72 kW Output Power
- kV: 80, 100, 120, 140 kV
- mA: 10 to 560 mA, 5 mA increments

Maximum mA for Each kV Selection (large focal spot):

- 400mA @ 80kV
- 480mA @ 100kV
- 560mA @ 120kV
- 515mA @ 140kV

V-Res Detector: The V-Res detector was designed for high performance imaging. V-Res detector benefits are:

- Solid 40mm coverage per rotation
- GE's exclusive patented detector material

Volara XT Digital DAS (Data Acquisition System): The Volara XT digital DAS dramatically reduces electrical noise for improved imaging performance.

- 2,460Hz maximum sample rate
- Effective analog to digital conversion

Optima CT660 Operator Console:

Qty	Catalog No.	Description

- 1,792GB of total system storage
- Up to 250,000 512 x 2 images and 3,520 scan rotations or up to 1,500 scan data files, or up to 300 exams
- 4.7 GB DVD-R/CD-R for DICOM interchange (not recommended as a long term archive)

Image Networking: Exams can be selected and moved between the Optima CT660 CT System and any imaging system supporting DICOM protocol for network send, receive and pull/inquiry.

- Standard Auto-configuring Ethernet
- Direct Network Connection
- Supports 1GB or 1000/100/10 BaseT

DICOM Conformance Standards

- DICOM Storage Service Class
- Service Class User (SCU) for image send
- Service Class Provider(SCP)for image receive
- DICOM Query/Retrieve Service Class
- DICOM Storage Commitment Class Push
- DICOM Modality Worklist (incl. Performed Procedure Step) (through ConnectPro option)
- DICOM Print

The Optima CT660 workflow platform is designed to deliver high performance in each of these tasks:

- SmartTools Simplifies Scan Setup and Includes All Reconstructions, Filming, Archiving, Transferring Prospectively
- Workflow platform built on the LINUX operating system delivers up to 16 fps reconstruction and the fast network transfer rates of up to 10 fps
- Data Export and Interchange allow you to easily share images with referring physicians and patients
- Direct MPR that enables the move from 2D review to 3D image review of axial, sagittal, coronal and oblique planes automatically
- Exam Split delivers the capability to split a series of patient images into separate groups for networking
- Exam Rx desktop environment provides the clinical tools desired for fast, efficient control of patient studies. Exam Rx tools include patient scheduling and data entry, exam protocol selection, protocol viewing and editing, scan data acquisition, image display and routine analysis, AutoTransfer, AutoStore, and AutoFilm
- ImageWorks is a desktop environment designed to take advantage of the Optima CT660 CT System advanced computer systems. Standard features include archive, network and

Qty	Catalog No.	Description

manual film control, as well as some advanced image processing such as Direct multi-planar reformatting (DMPR), multi-projection volume rendering (MPVR) and display. The ImageWorks desktop also provides a gateway for DICOM 3.0 image transactions, either through a local area network, or via DICOM-formatted media

- Volume Viewer includes Volume Analysis, Volume Rendering and Navigator software. This combination allows the user to render volumetric data in three dimensions for use in analysis of patient condition, i.e. CT Angiography (CTA), gives more information on the spatial relationships of structures than standard 3D, allows the translucent visualization of structures for improved problem solving, can perform "virtual endoscopies" of air and contrast fileed structures. Enables 3D reformats in any plane, ALL on the Xtream ready console.

Scan Modes: The Optima CT660 system can perform virtually any clinical application due to its wide variety of scan modes. Helical scan mode offers continuous 360 degree scanning with table incrementation and no interscan delay. Axial scan mode allows for up to 64

contiguous axial slices acquired simultaneously with each 360 degree rotation.

- Helical scanning pitches: 0.516:1, 0.984:1, 1.375:1
- Retrospective reconstruction image thicknesses: 64 x 0.625

Scan Enhancements:

- Anatomical programmer: a ten region anatomical selector allows quick and easy access to user programmable protocols and a separate selector for adult and pediatric exams with greater than 6,840 protocol storage available
- Protocols include preset scan time, kV, mA, scan mode, image thickness and spacing, table speed, scan FOV, display FOV and center, recon algorithm, and special image acquisition and processing options like DMPR
- Any scan parameters may be edited for each scan or all scans - either before or during an exam. The number of scans may also be easily changed
- AutoScan: Automates longitudinal table movement and start of each scan
- Auto-Voice: 3 preset (9 languages) and 17 user defined messages automatically deliver patient breathing instructions, especially useful for multiple helical scanning
- Trauma Patient: Allows patient scans and image display/analysis without entering patient data before scanning
- Reconstruction Algorithms: Soft Tissue, Standard, Detail, Chest, Bone, Bone Plus, Lung, and Edge

Warranty: The published Company warranty in effect on the date of shipment shall apply. The Company reserves the right to make changes. All specifications are subject to change.
Regulatory compliance: This product is designed to comply with applicable standards under the radiation control for Health and Safety Act of 1968.

Qty	Catalog No.	Description
		Laser alignment devices contained within this product are appropriately labeled according to the requirements of the Center for Devices and Radiological Health. Siting Considerations: See the Pre-Installation manual for details of the siting requirements for the Optima CT660. This product is a CE-compliant device that satisfies IEC60601-1:1998 and applicable collateral and particular standards, including regulations regarding Electro-Magnetic Compatibility (EMC) and Electro-Magnetic Interference (EMI), pursuant to IEC-60601-1-2:2004.
1	B7877EN	English Keyboard (Black) for CT systems and system labels
1	B7660AD	Optima CT660 Cable set
1	B7660CK	The Optima 1700 table enables volume scanning. Key features of this 1700 table include: easy patient access by lowering to <17 inches from the floor, 500lb seight capacity, up to 1700mm scannable range, 137.5 mm/sec travel time, real-time Z-axis position feedback between gantry and table.
1	B75002CD	The Freedom workspace is an ergonomic working environment specifically designed for use with the GE Healthcare imaging systems. The sleek table design enables the efficient use of space while enhancing clinical workflow and technologist comfort. The Freedom workspace provides a minimalist footprint to improve patient visibility and giving the user easier access to patients in the imaging suite. It offers sit/stand and horizontal/vertical monitor flexibility. It can also help reduce noise and heat with remote location options of the console. The non-adjustable Freedom workspace version is 1300mm long x 895mm wide x 850mm height and weighs 55.8kg.
1	B7660DZ	ASiR(TM)(Adaptive Statistical Iterative Reconstruction) dose reduction technology* • ASiR reconstruction technology may enable reduction in pixel noise standard deviation (a measurement of image noise). The ASiR reconstruction algorithm may allow for reduced mA in the acquisition of images, thereby reducing the dose required*. • A reconstruction technology that may enable improvement in low contrast detectability*. * In clinical practice, the use of ASiR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.
1	B7999ZA	Uninterruptible Power Supply Exide Uninterruptible Power Supply. Custom Designed Firmware to Interconnect with LightSpeed

Qty	Catalog No.	Description
		Pro, LightSpeed RT, Optima and BrightSpeed Systems. The UPS Primarily Backs Up the System Computer Functions. Bridges Short Power Outages and Provides Time for Crossover from Normal Main Power to Emergency Power. Must be Located Within Eight Feet of the PDU.
1	E4502AB	90 Amp Main Disconnect Panel for CT This 90 amp main disconnect panel for GEHC CT systems provides emergency shut down, undervoltage protection, overcurrent protection, local disconnect for the imaging system. It also reduces installation time and cost by providing a single-point power connection eliminating the need to mount and wire a number of individual components. The standardized design and testing assures high product quality and system reliability, and it is UL and cUL listed for compliance with National Electric Code. Panel can be surface or semi-flush mounted and includes one remote emergency off push button. Customer is responsible for rigging and arranging for installation by a licensed electrician. ITEM IS NON-RETURNABLE and NON NON-REFUNDABLE Warranty Code: Y
1	E8007PP	Medrad CT Stellant D w/ Dual Flow - Medium Post 85 cm
1	E8007PT	Medrad Stellant P3T Cardiac Protocol Option P3T Cardiac computes custom injection protocols as well as scan timing for each patient, enabling personalized care and patient safety while maintaining efficient workflow. • Utilizes the power of DualFlow technology (simultaneous injection of contrast and saline) to obtain functional cardiac data • Enables more consistent images across varied patients, studies and technologists • Eliminates the need to estimate injection protocols for complicated studies
1	E8016AZ	Slicker - CT HD750 and VCT w/GT 1700 Table (2 Piece Set) FEATURES/BENEFITS • Two-piece, sealed slicker cushion set has comfort pads enclosed inside the slicker cover and extender cover • Durable, clear PVC plastic cover facilitates faster, more thorough cleanup of blood and fluids • Increase system uptime by protecting table from spills and particulate contaminants • Thermo-sealed seams and flaps prevent contaminate buildup in hard to clean areas COMPATIBILITY • VCT with GT 1700 Table, CT HD750
1	E8016BA	Footswitch Slicker for CT HD750 and VCT Systems

Quotation Number: PR7-C27386 V 1

Qty	Catalog No.	Description
		The footswitch slicker for CT VCT 2000 and 1700 systems is made of durable, clear PVC plastic that protects the footswitch and facilitates faster, more thorough cleanup of contamination caused by blood and other body fluids. Cover is held securely in place with Velcro...H
1	W0100CT	6 Day CT TiP Onsite System Training CT Onsite Training for a new CT system • One 4 day onsite visit to coincide with system start-up. • One 2 day onsite follow-up visit 6-8 weeks post system start up. During the first visit, the applications specialist will work with the medical and technical staff on system operation and patient procedures. The training produces the best results when a dedicated core group of 2-4 CT technologists complete the session with a modified patient schedule. It is suggested that key physicians are available to participate in the protocol implementation and image quality review sessions. By the end of this visit, the core group should be able to perform the routine patient procedures. The 2 day revisit is suggested after the staff has run the system for 6-8 weeks, however this is flexible based on the site needs. The training will focus on the intermediate and advanced functions of the system or special needs of the customer. The training produces the best results when the same dedicated core group of 2-4 CT technologists from the initial visit complete the session with a modified patient schedule. This training program must be scheduled and completed within 12 months after the date of product delivery.
1	W0004CT	4 Days CT TiP Onsite Training Four Days CT Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses. Days provided consecutively. This training program must be scheduled and completed within 12 months after the date of product delivery.

Quote Summary:

GE LightSpeed 16	**($70,000.00)**
Total Quote Net Selling Price	**$504,000.00**

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)

Quotation Number: PR7-C27386 V 1

Options

(These items are not included in the total quotation amount)

Qty	Catalog No.	Description	Ext Sell Price	Initial To Accept
1	B7660BC	Upgrade your Optima CT660 to be capable of 0.625mm acquisition for the full 40mm of detector coverage. This upgrade has the potential to help you reduce acquisition times and shorten patient breath-holds, and, when coupled with our cardiac acquisition options it enables 5 Beat (TM) cardiac.	$204,000.00	X_____

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)

Appendix B

Equipment Comparison Table and Brochures

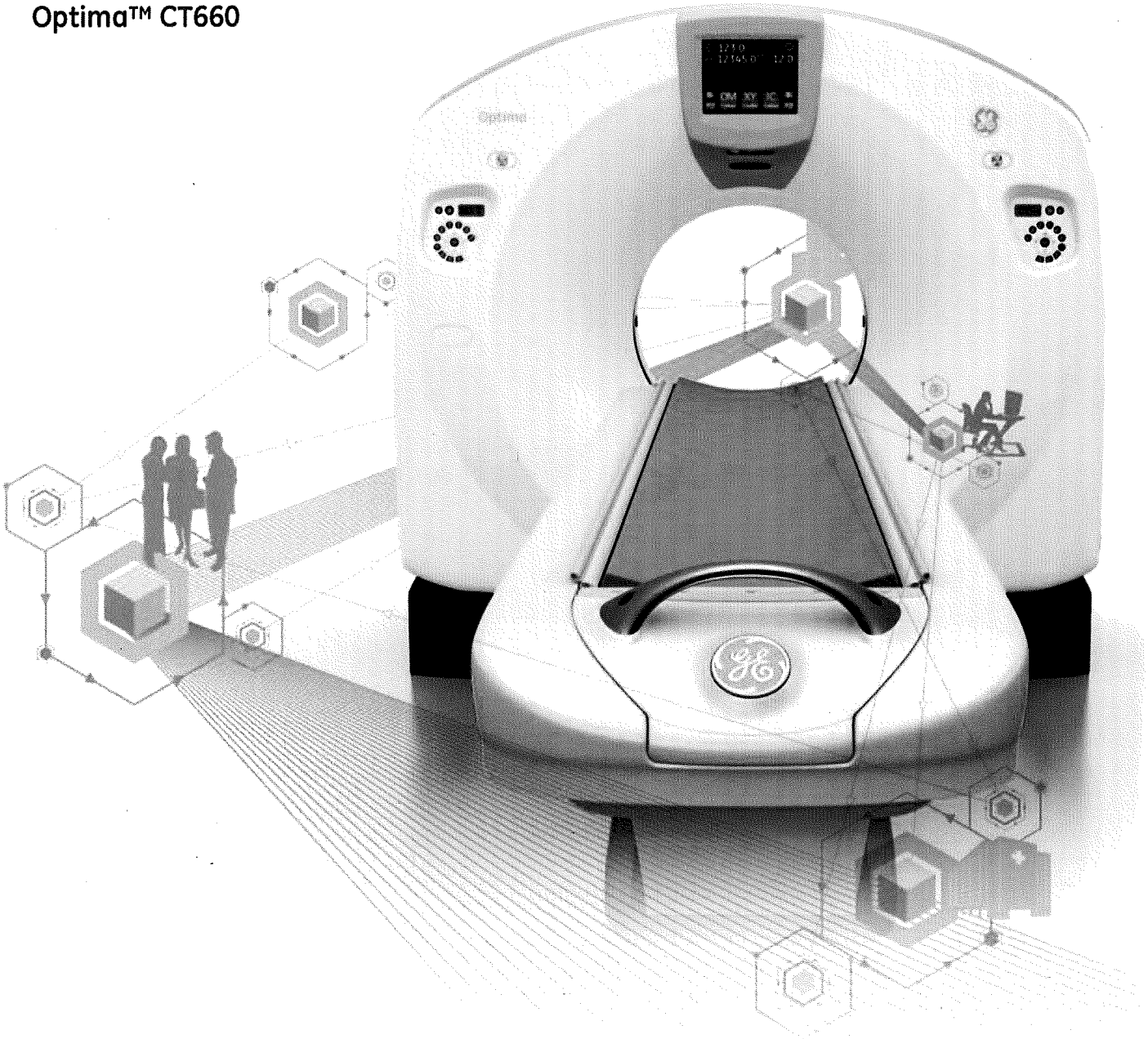
Equipment Comparison

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	LightSpeed 16 CT Scanner	Optima CT660 CT Scanner
Manufacturer of Equipment	GE	GE
Tesla Rating for MRIs	N/A	N/A
Model Number	2377708-40	TBD
Serial Number	382551CNO	TBD
Provider's Method of Identifying Equipment	Serial Number	Serial Number
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	N/A	N/A
Mobile Tractor Serial Number/VIN #	N/A	N/A
Date of Acquisition of Each Component	2005	2015 (proposed)
Does Provider Hold Title to Equipment or have a Capital Lease?	Yes	Yes (proposed)
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project(including construction, etc.)	$697,707	$667,325
Total Cost of Equipment	$684,427	$504,000
Fair Market Value of Equipment	$684,427	$574,000
Net Purchase Price of Equipment	$684,427	$504,000 (includes $70,000 trade-in credit)
Locations Where Operated	Vidant Edgecombe Hospital	Vidant Edgecombe Hospital
Number Days in Use to be Used in N.C. Per Year	365	365
Percent of Change in Patient Charges (by Procedure)	No Change	No Change
Percent of Change in Per Procedure Operation Expenses(by Procedure)	No Change	No Change
Type of Procedures Currently Performed on Existing Equipment	CT Scans	
Type of Procedures New Equipment's Capable of Performing		CT Scans and Angiography

GE Healthcare

Built to care

Optima™ CT660



an innovation of
healthymagination

Your vision of quality care made

The Optima CT660 system helps you deliver highly competent, personalized care that helps fulfill your mission and please your patients.

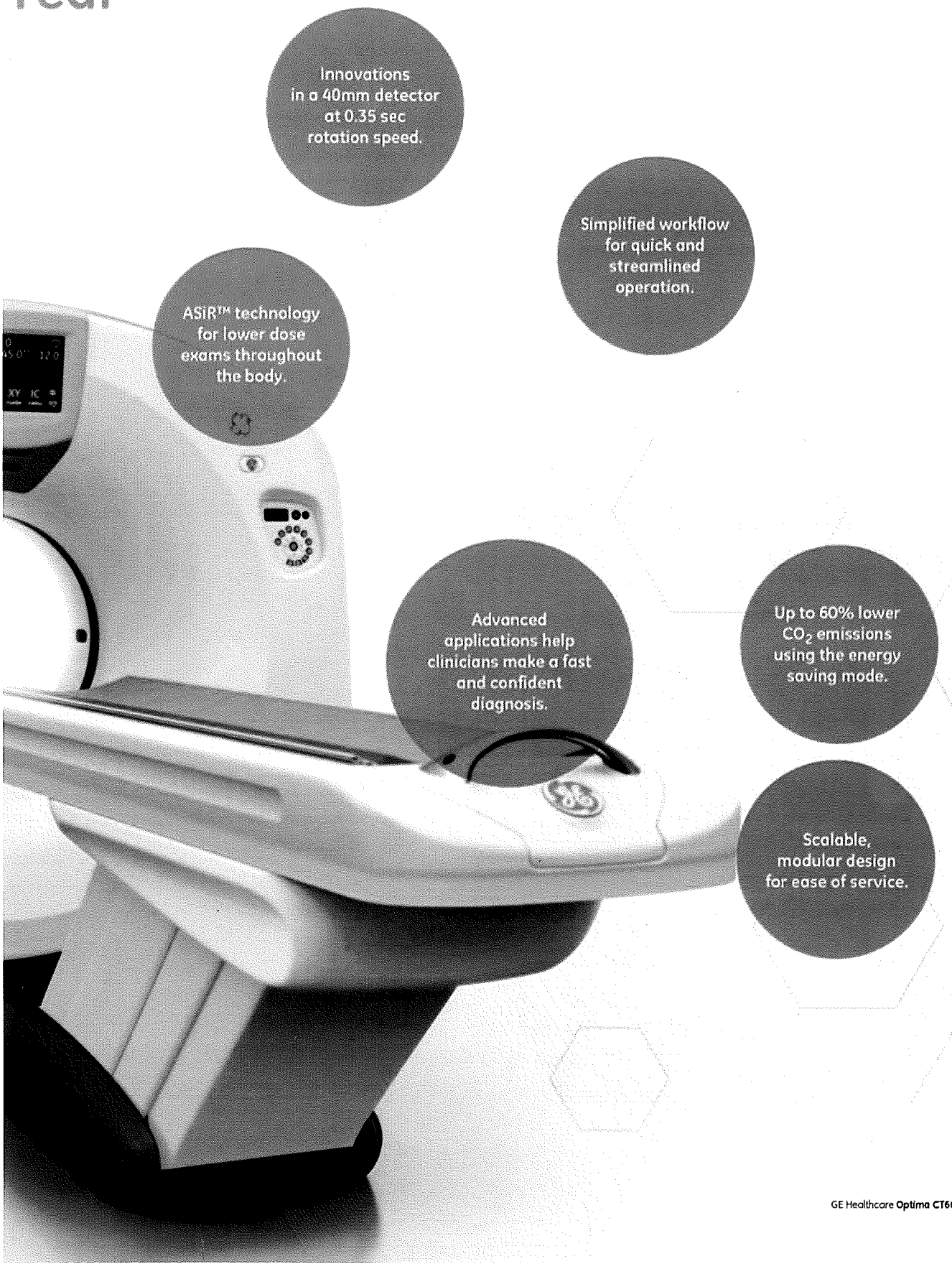
One look at the sleek, compact design tells you this CT system is different. This new-generation, intelligent 64-slice scanner combines the advanced innovations from our Discovery and LightSpeed families. You get fast, high-quality acquisition at optimized dose for patients young and old, large and small, across a wide spectrum of procedures: cardiac, angiography, brain, chest, abdomen, orthopedic, and more.

Technologists and radiologists benefit from ergonomic features and numerous enhancements in workflow efficiency and diagnostic power. The compact footprint lets the system fit your available space, while a modular design helps you choose capabilities to meet today's budget and expand as you grow.

The Optima CT660 is also environmentally friendly with a design for refurbishment and end-of-life recycling, and with electronics innovations that cut power consumption by 60 percent using the energy saving mode.

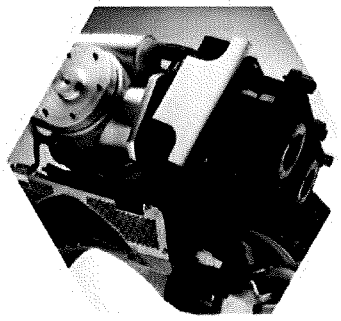
Look closely and you will see how the Optima CT660 helps you see more, know more, at less dose.

real


Innovations in a 40mm detector at 0.35 sec rotation speed.
Simplified workflow for quick and streamlined operation.
ASiR™ technology for lower dose exams throughout the body.
Advanced applications help clinicians make a fast and confident diagnosis.
Up to 60% lower CO_2 emissions using the energy saving mode.
Scalable, modular design for ease of service.

The best of technology, simple to apply

The Optima CT660 brings you our latest CT workflow innovations for improved ease to use. From our proven HD technologies, we added ASiR for exceptional dose reduction across the board. The system solution also features full capabilities in advanced applications such as cardiac, oncology, angiography, and dynamic imaging.



Power and performance

The Performix™ 40 tube, backed by a powerful 72kW generator, delivers peak mA capability of up to 600 mA.
This lets you:

- Image smaller structures and see fine detail.
- Examine large patients without tradeoffs on image quality and speed.
- Experience less noise in cardiac studies and other faster-rotation scans.

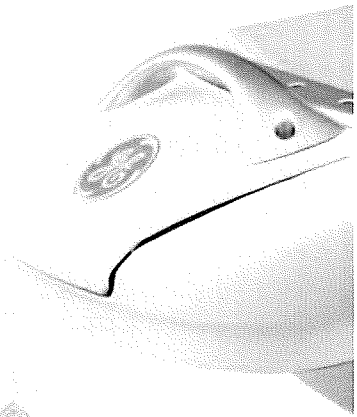
The console is built with advanced computer technology and miniaturization for optimized workflow, fast image reconstruction, and improved reliability. The quad-core CPU easily processes advanced iterative reconstruction techniques. Simultaneous data transfer helps optimize and streamline workflow between the Advantage Workstation™, PACS, and external devices such as CD writers.

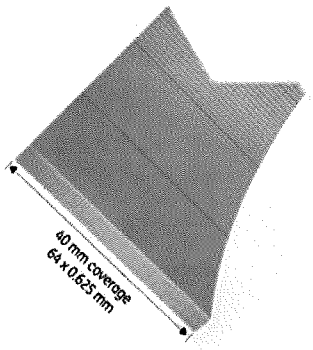
Efficient imaging

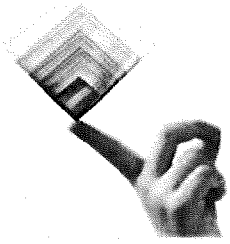
The 40mm wide **V-Res™ detector** acquires data in 64 channels at 0.35mm microVoxel™ resolution through GE innovations, such as:

- A fast and efficient HiLight™ scintillator with 99% absorption efficiency.
- Scalable backlit diode.
- High-density interconnects.

The Optima CT660 image chain is powered by the **Volara™XT Data Acquisition System (DAS).**





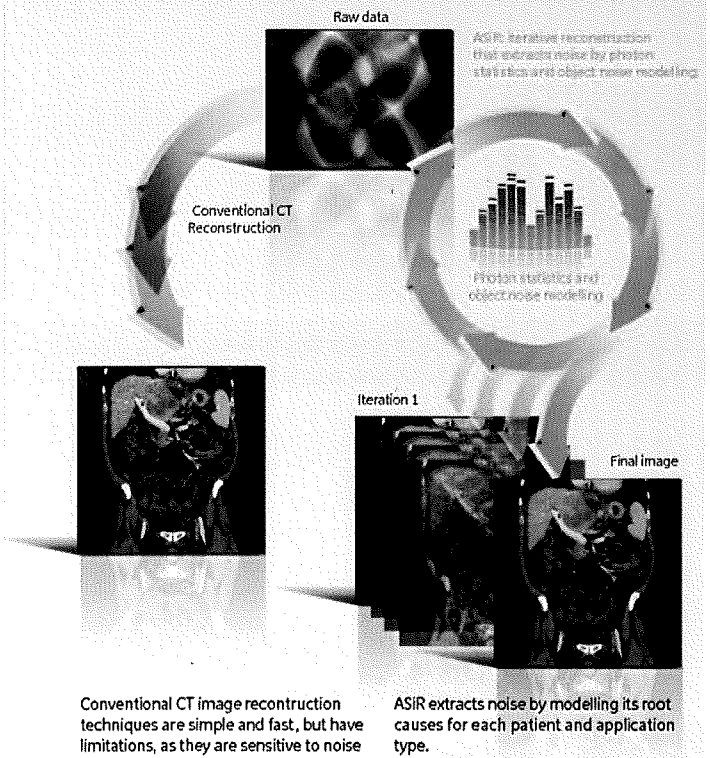


Speed and spatial resolution

GE helical reconstruction technologies and crossbeam correction work together to deliver 0.35 mm isotropic spatial resolution. Conjugate cone-beam back projection utilizes two sets of counter-opposed projections to provide 128 distinct projection measurements per rotation for axial and a helical acquisition mode. For cardiac acquisitions, faster rotation speed provides faster temporal resolution (44 msec).

Low dose, low stress

Nothing matters more than patients' welfare. The Optima CT660 provides clinicians information for fast and definitive diagnoses in low-dose exams while patients stay calm and comfortable.



Conventional CT image recontruction techniques are simple and fast, but have limitations, as they are sensitive to noise and artifacts.

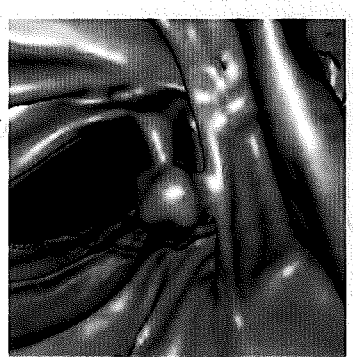
ASiR extracts noise by modelling its root causes for each patient and application type.

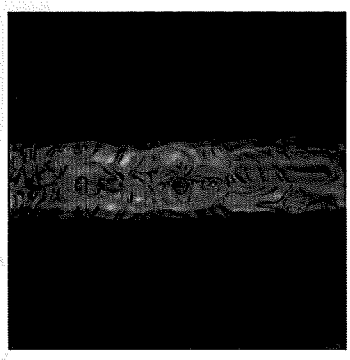
ASiR inside: A leap ahead in dose management

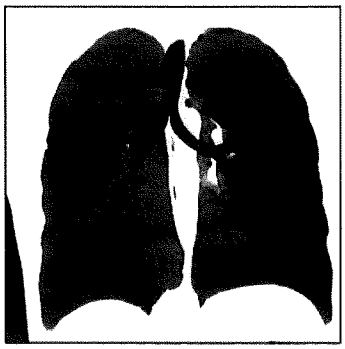
GE ASiR* helps clinicians achieve dose reductions of up to 40% while maintaining image quality**.
ASiR, a projection based iterative reconstruction technology, changes the dose paradigm across many anatomies and patients.
It overcomes the issues of noise and image artifact at low dose by actually removing noise instead of masking it, as image-filtering methods do.

Based on our customers' experiences using ASiR technology, they have demonstrated consistent high image quality at dramatically low dose across exam types and body regions.

Dose reduction with ASiR is combined with GE's proven Optidose™ technology that delivers dose reduction at the source.
It includes SmartTrack™ dynamic collimation that avoids penumbra and over-radiation, as well as 3D automatic dose modulation, ECG dose modulation, and X-ray filtration which is tailored for small to large patients.







* option
** Image quality measured as image standard deviation

A comfortable experience

The Optima CT660 enables short scan times with 40mm thin slice acquisitions for reliable studies. Technologists can personalize exams by displaying the patient's name on the new 12-inch touch screen gantry display. The video of relaxing scenes or cartoons can have a calming effect on children or patients of all ages. An automated voice system provides the ability to give instructions in the patient's own language. In the low position, the exam table makes access easy for patients in wheelchairs.

Complete exams with eas

By listening to technologists and radiologists, GE has created an intelligent CT scanner with a workflow for streamlined use that helps optimize patient throughput.

Enhanced table

The table allows patients as heavy as 227 kg to be imaged through a long scannable range. The bed provides automatic positioning according to the type of exam, reducing manual positioning and streamlining workflow. Users can position the table by selecting the exam type from the touch screen, then pressing the foot pedal. The display shows pictures that help the technologist and patient understand the correct exam position, making exams more personal.

User-friendly console

The Optima CT660 workspace provides outstanding flexibility and comfort, whether sitting or standing. The console is noticeably quieter than in the past, to provide a better work environment. The graphical user interface, common to all GE CT systems, puts automated processing at your fingertips.

e and confidence

Synchronized injection

The CAN Cia425 integrated injector interface* provides synchronized start of scan and injection from the CT operator console. Synchronization of the start of scan with the start of injection provides increased opportunity for successful contrast bolus timing. It also provides the ability to set the contrast injection parameters and to synchronize the parameters between the scanner and injector as part of the CT scan protocol from the console interface. This provides consistency of user entered parameters and reduction in the opportunity for error.

Personalized touches

One-Touch set ups allow you to personalize image presentation to individual physician preferences; so that advanced processing, volume-rendering attributes, multi-planar reformats, and image sizing are automatically applied as the patient series opens.

* option

Imaging power for your m

The Optima CT660 helps radiologists perform a wide range of advanced studies efficiently and to optimize dose.

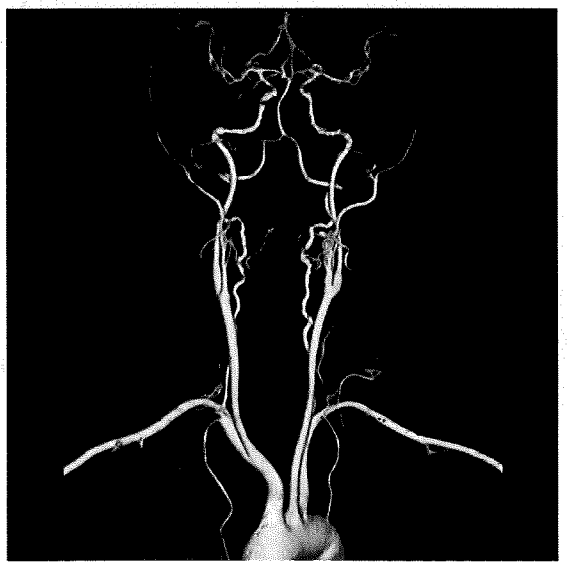
5 heart-beat exam with 80 kV / 70 mAs

Cardiovascular: Comprehensive solutions for heart and vessels assessment

Delivering true 40 mm coverage per rotation, featuring a temporal resolution down to 44 ms, the Optima CT660 is designed to scan the heart in five beats. Its ample tube power combined with ASiR delivers the image quality demanded, even with large patients.

▶ Snapshot™ Pulse with Adaptive Gating

40mm Snapshot Pulse addresses the dose burden of traditional coronary CT angiography. With the X-rays turned on only during the required cardiac phase, the technique can routinely reduce dose up to 83% compared to traditional helical techniques.
Real-time adaptive scan control helps avoid scanning during irregular beats and improves overall scan reliability.
ASiR technology enables dose reduction of up to 40% across the body.



CT Angiography: Speed and consistent quality

With consistent 0.625mm data acquisition, there is no trade-off between speed and high resolution. Optima CT660's speed and coverage may allow you to catch the arterial phase for assessment of most vascular segments. The integrated injector allows you to synchronize injection and acquisition parameters.

▶ AW cardiovascular

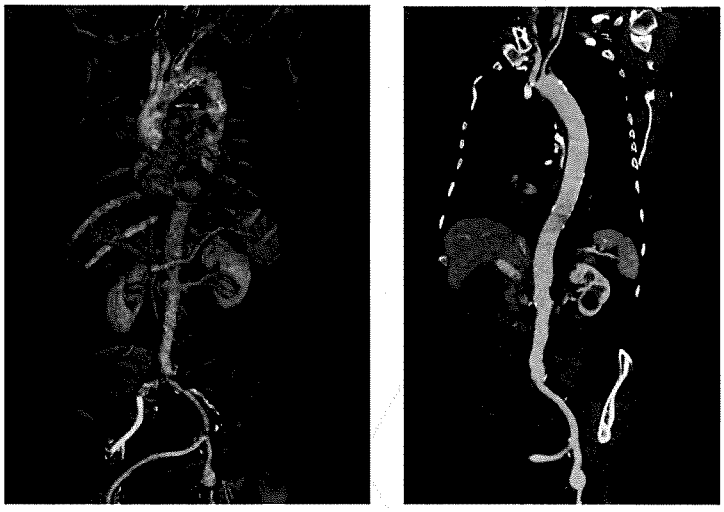
The Advantage Workstation cardiovascular system helps accelerate workflow with leading innovations in post-processing automation and reliability. With Autolaunch and Preprocessing, the system automatically prepares up to eight cases for reading, saving substantial time. In addition, zero-click bone removal automatically subtracts bones in angiography studies. Other enhancements include:

- Reliable coronary segmentation and tracking.
- Fully automated analysis of all four heart chambers.
- Automated vessel tracking and thrombus segmentation.

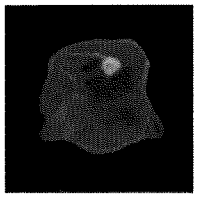
ost critical studies

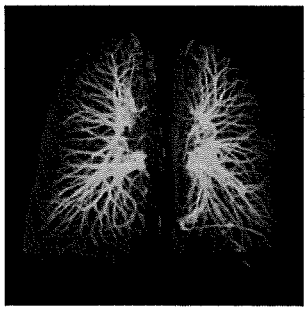
Oncology: Lesion assessment at lower dose

The Optima CT660 lets you complete long coverage scans quicker, even on non-cooperative patients or young children. Its coverage speed enables scanning of large areas in few seconds with sub-millimeter slices. ASiR may help to improve image quality and coverage speed on heavy and large patients at equivalent dose without increasing actual generator power. In addition, the Volume Helical Shuttle application helps you to cover the area equivalent to a 500 slice CT scanner.
Image chain design and efficiency with innovative dose management solutions like ASiR and SmartTrack work together to provide remarkable image quality at up to 40% lower dose. This may benefit procedures where low dose is particularly desirable such as virtual colonoscopy and for patients requiring multiple follow-up scans such as for lymphomas.



5 sec Chest-Abdomen-Pelvis submillimeter acquisition





Detect, characterize and quantify lesions

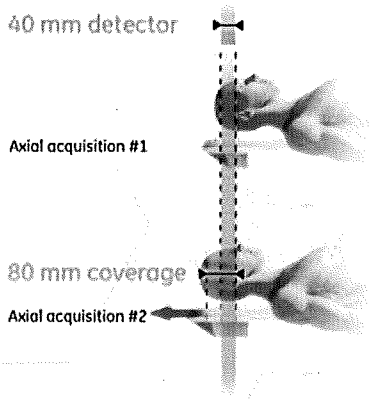
The Optima CT660 with the Advantage Workstation oncology solution streamline your workflow for lesion detection, analysis and follow-up.
LungVCAR and ColonVCAR applications provide highly sensitive computer-aided reading to outline, contour and characterize lesions and to follow changes over time. Liver lesion and lymph node analysis and follow-up are facilitated by auto-segmentation tools and registration algorithms that let you match datasets from CT, MR and PET/CT. A CT Perfusion application seamlessly provides all the perfusion maps needed for assessment.

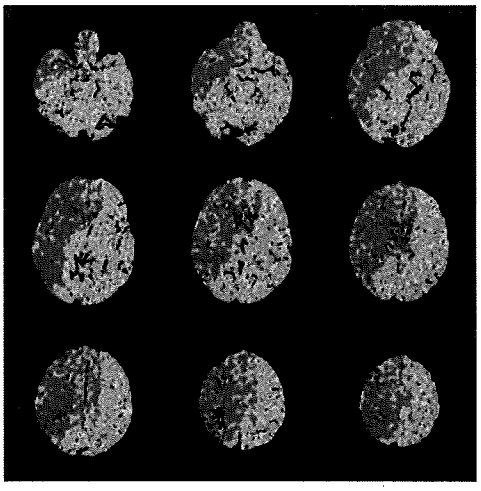
Advanced applications for dyna

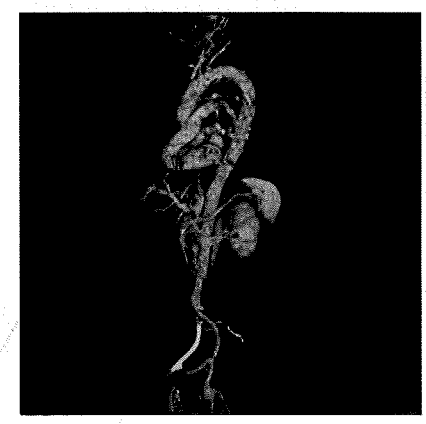
The Optima CT660 provides extended coverage for dynamic imaging with the innovative VolumeShuttle™ and Volume Helical Shuttle applications.

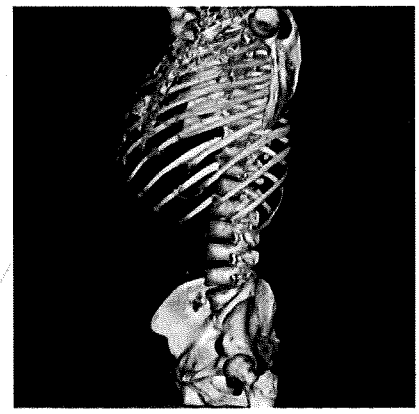
VolumeShuttle*: Twice the coverage with less dose

VolumeShuttle doubles the acquisition coverage to 80 mm while delivering less dose.



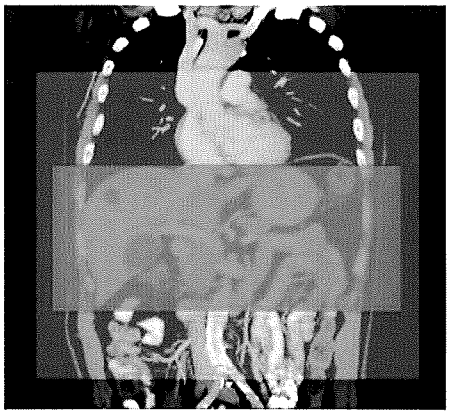






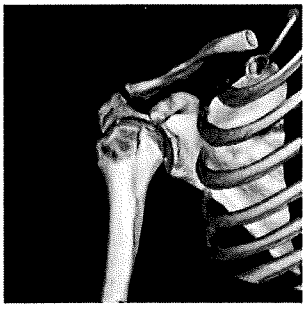
* option

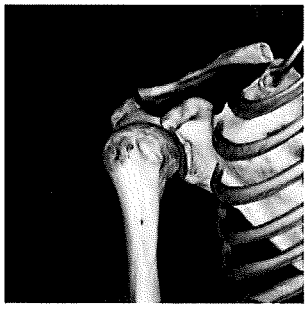
mic studies

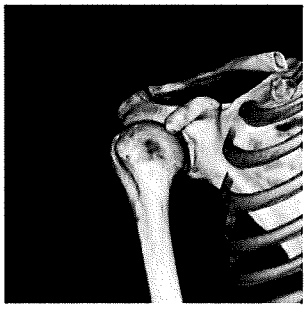


Volume Helical Shuttle: Cover up to 500 slices

Volume Helical Shuttle* is a continuous bi-directional scan mode that extends z-coverage and improves temporal sampling. GE's exceptional dynamic pitch reconstruction uses scan data acquired during table acceleration and deceleration, allowing you to perform up to 500-slice (312.5mm) dynamic studies. This tool is used on Optima CT660 to perform 4D-CTA dynamic studies, or to study moving joint structures, opening new applications in orthopedic imaging. In addition, Volume Helical Shuttle lets you perform perfusion studies of body organs up to 120mm.







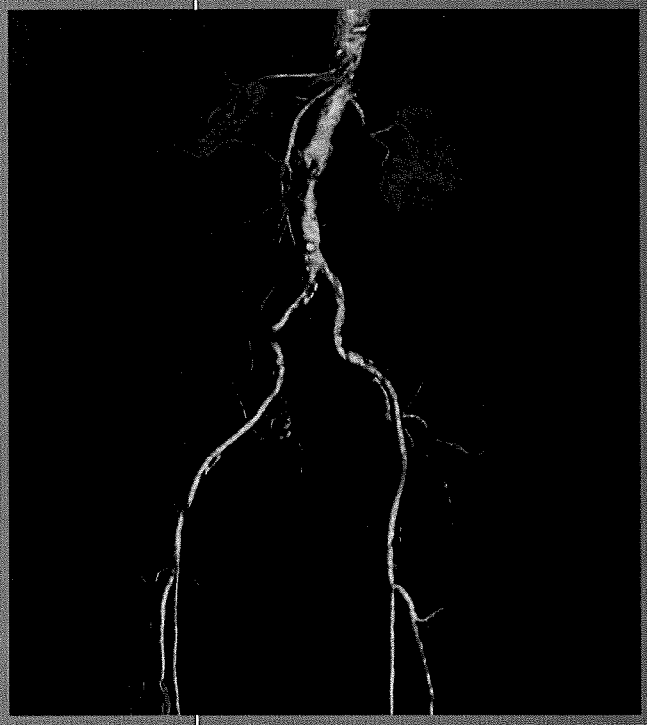
Emergency care: When seconds count

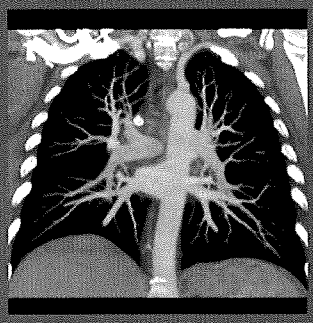
In addition to the 40mm coverage at fast rotation, two exceptional features help you launch and finish emergency exams faster:

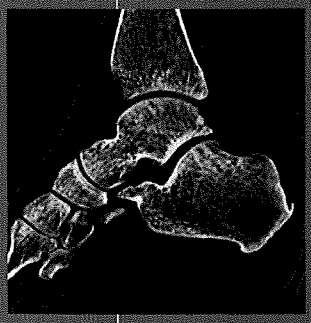
- An emergency scanning mode lets technologists set-up exams with easy-to-understand symbols.
- The technologist automatically positions the bed for the chosen exam using the touch screen and foot pedal.

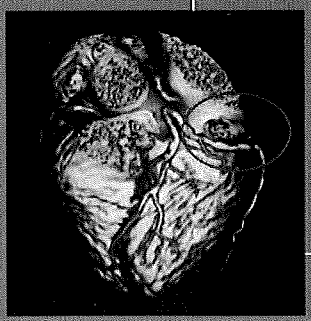
The patient can be scanned in a few minutes. In addition, simultaneous image acquisition, reconstruction and analysis accelerate the workflow. Anatomy-specific protocols provided on the operator console facilitate efficient review.

Spatial resolution

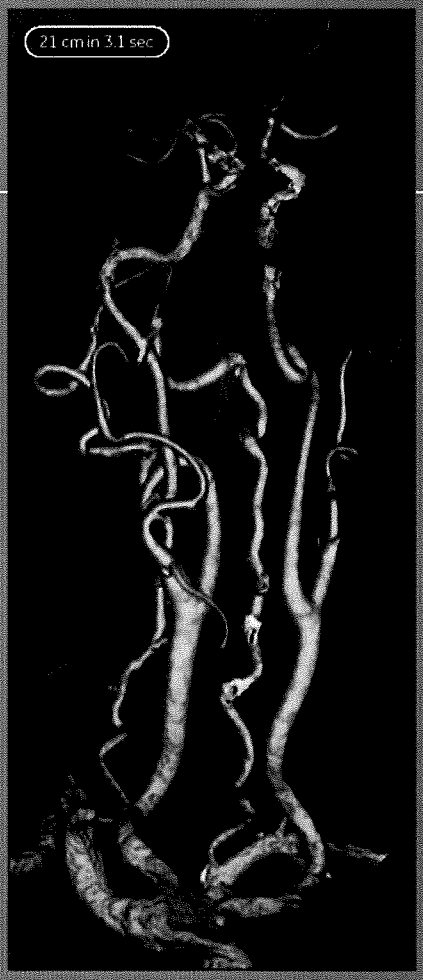


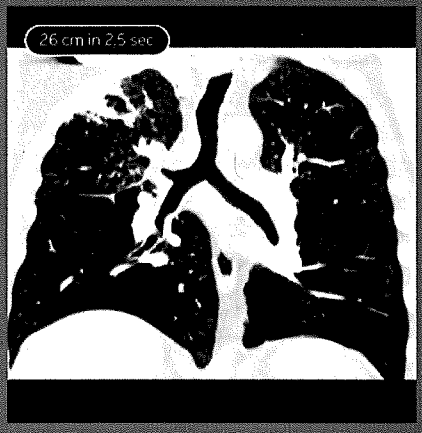




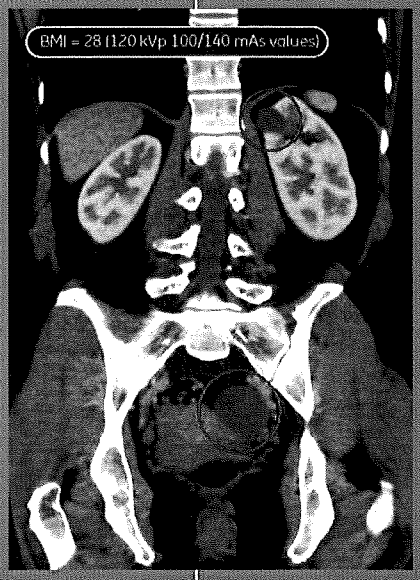


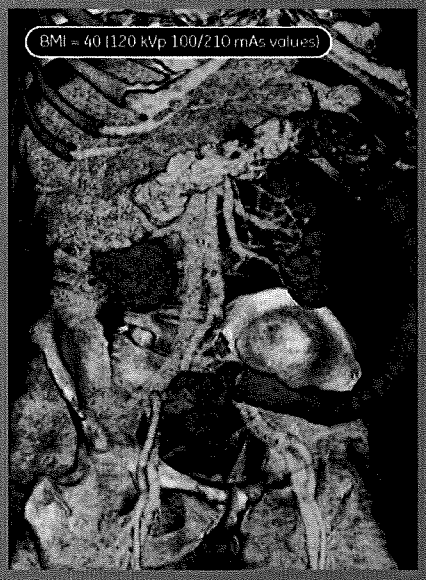
Acquisition speed

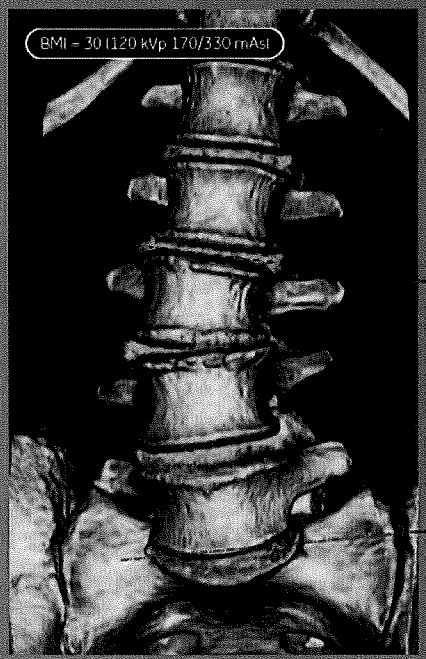




Power and performance

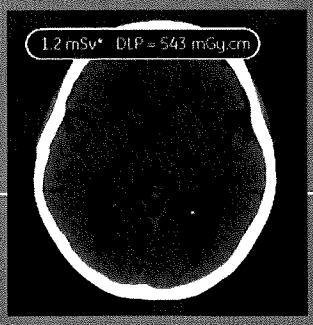


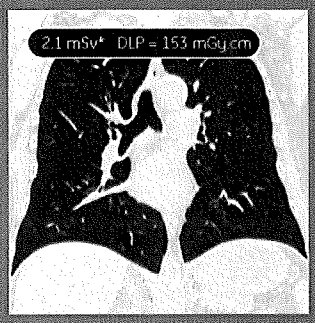


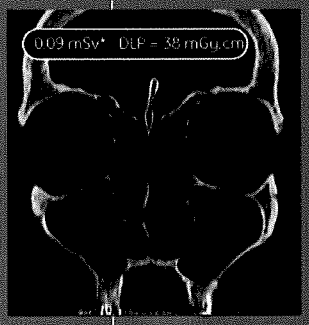


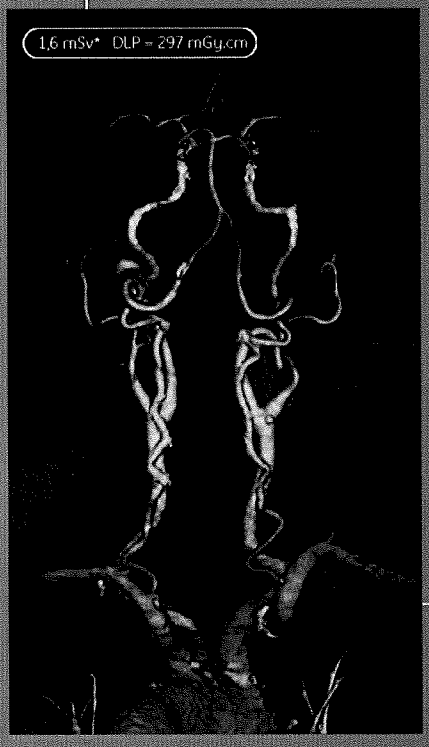
Dose optimization

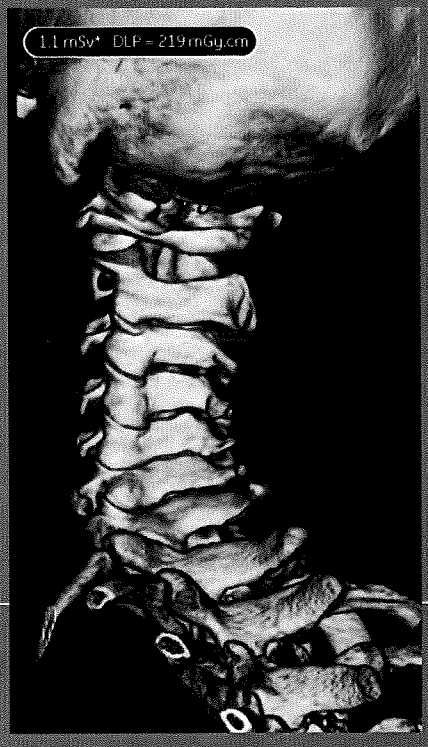
* Obtained by EUR - 16262 EN, using following factors:
Head: 0.0023 * DLP
Neck: 0.0054 * DLP
Cardiac: 0.014 * DLP
Chest: 0.017 * DLP
Abdomen: 0.015 * DLP
Pelvis: 0.019 * DLP

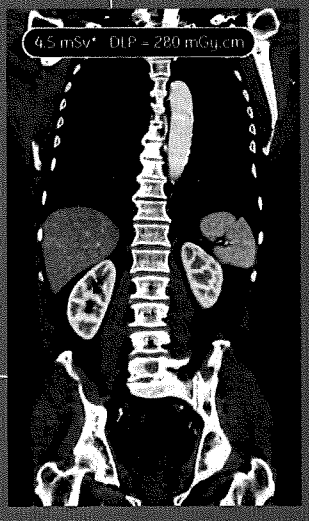












Respecting our planet and your care environment

The Optima CT660 embodies the GE commitment to affordable technologies that make quality care available to more people, make clinicians more efficient, in an environmentally conscious manner.

Kind to the earth

The Optima CT660 is among the world's most energy efficient 64-slice systems, using about 60% less energy than our previous-generation scanners. With a thoughtful overnight "sleep" mode and electronic designs, it uses less energy both when operating and inactive. Its lighter weight reduces transportation cost. And it complies with international regulations that prohibit hazardous materials and require design for recycling.

Kind to your patients

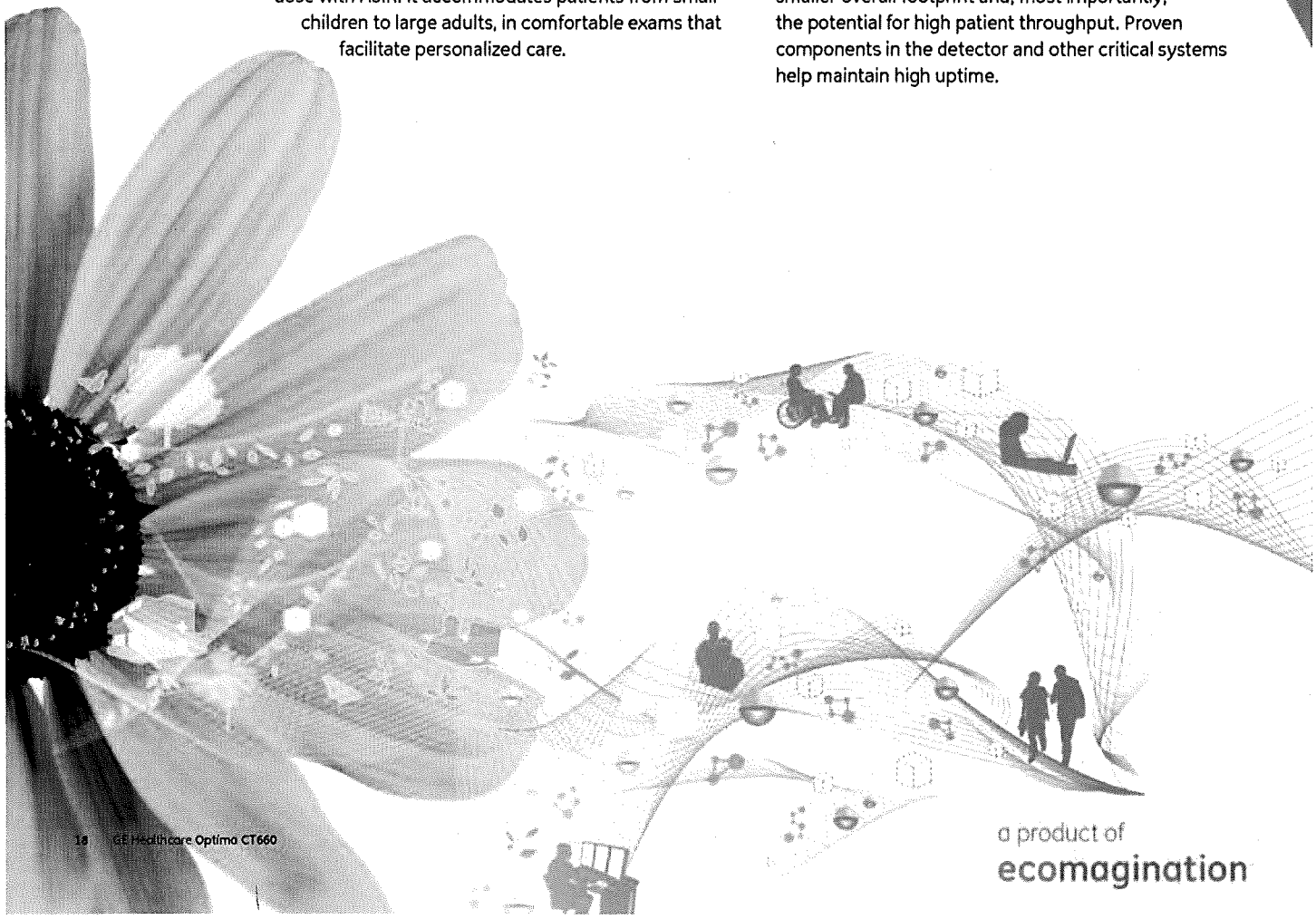
The Optima CT660 helps clinicians provide fast, accurate diagnostic information at up to 40% lower radiation dose with ASiR. It accommodates patients from small children to large adults, in comfortable exams that facilitate personalized care.

Kind to your staff

With ergonomic design and new convenience features like automatic table positioning, the Optima CT660 is easy for technologists to use. Clinicians benefit from excellent image quality, customized exam previews, and streamlined workflows for highly reliable and repeatable exams. The Advantage Workstation enables fast diagnosis, communicates with PACS, and facilitates sharing of studies with referring physicians and specialists.

Kind to your facility

The Optima CT660 helps optimize your investment through 60% lower energy consumption, up to 24% smaller overall footprint and, most importantly, the potential for high patient throughput. Proven components in the detector and other critical systems help maintain high uptime.



a product of
ecomagination

GE Healthcare offers complete service plans and innovative technologies that help keep your Optima CT660 online today – and up to date for the future. The entire system is designed for easy service access. Our service contracts include timely installation of all system updates to keep you current with the latest clinical tools and innovative offerings. And our field service engineer network comes backed by remote capabilities that help you get the best from your scanner.

Service at the speed of digital

Your Optima CT660 comes with a broadband connection that lets GE experts diagnose problems and fix your system often without having to visit your site. Drawing on the collective experience of more than 2,000 field engineers, our online experts can resolve up to 45% of issues remotely. When a site visit is needed, your field engineer arrives with knowledge of the issue, and with the tools, and, most cases replacement parts needed to make a speedy repair and get you back on schedule.

One touch: Help is on the way

GE iLinq™ service lets you summon technical or applications help at the touch of a button on your console screen. And when you contact us with an urgent concern, we connect you to an engineer with expertise on your system in five minutes or less.

Built for today – and tomorrow

Getting more from your assets

The iCenter™ web-based asset management tool gives you on-demand access to critical information about your Optima CT660 and other imaging devices, helping you maximize efficiency and productivity. Vital information delivered to your desktop – scanner utilization, open work orders, service history, and much more – empowers you to make sound operating decisions.

Learning tools to build your skills

A wide range of learning tools help your imaging professionals use your Optima CT660 and its advanced imaging capabilities to their full clinical potential. Our CT Masters series, offered on your site or at our training facilities, includes a comprehensive range of courses in advanced applications taught by CT experts.

Our AppsLinq™ service lets your people troubleshoot application issues, improve imaging techniques, and develop vital new skills, all by way of distance learning and on a flexible, convenient schedule. A GE clinical application specialist connects remotely to your system and shares control of the screen with your people, seeing exactly what they see and interacting with them in real time. It's as if the instructor is sitting in the next chair. The trainer demonstrates the process, and the trainees repeat it until they are confident in their new skills.

Discover the power

The Optima CT660 system helps your clinicians deliver high-quality, comfortable, personal patient care in a scalable, flexible package you can tailor to your needs. Find out how the Optima CT600 can benefit your facility. Contact your GE Healthcare representative today.

Data subject to change.
Marketing Communications GE Medical Systems
Société en Commandite Simple au capital de 63.277.470 Euros
RCS Versailles B 315 013 359
A General Electric company, doing business as GE Healthcare

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France
Paris
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About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

GE Healthcare
Chalfont St.Giles,
Buckinghamshire,
UK

GE imagination at work

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GE Healthcare

Heritage Hospital
111 Hospital Drive
Tarboro, NC 27886

Date:July 07, 2005

Quotation Number:F9XC1UB

This agreement is by and between the customer and the GE Healthcare entity (referred to herein as "GE Healthcare"), each as identified in the applicable signature block below. GE Healthcare agrees to provide and customer agrees to pay for the products and/or services set forth in this agreement, all in accordance with the terms and conditions set forth herein. This agreement is comprised of:

1) This GE Healthcare Quotation (together with any applicable schedules referred to herein) that identifies the product and/or service offerings purchased or licensed by customer;
2) The attached (i) GE Healthcare Warranty documentation, (ii) GE Healthcare Additional Terms and Conditions documentation and (iii) GE Healthcare Statement of Service Deliverables documentation, as applicable; and
3) The attached GE Healthcare Standard Terms and Conditions - Sales and Service.

In the event of conflict among the foregoing items, the order of precedence is as numbered above. This agreement constitutes the complete agreement of the parties relating to GE Healthcare's delivery of the products and/or services identified in the GE Healthcare Quotation and supercedes all prior oral or written proposals, statements, agreements, commitments, or understandings with respect to the matters provided for herein.

• Terms of Delivery:	CIF, per attached standard Terms and Conditions - Sales and Service.
• Quotation Expiration Date:	September 07, 2005
• Terms of Payment:	10% Down with order, 70% Due on delivery of major components and prior to installation, Balance due upon completion of installation and/or availability for first use.
• Contract Price Protection:	12 months from date of contract execution, subject to increase by .5% per month after such 12 month period

---

Each party has caused this agreement to be executed by its duly authorized representative as of the date set forth below.

GENERAL ELECTRIC COMPANY:
by and through its GE Healthcare business

• Submitted By:

for Brad 7/18/05

Brad Sorgi — Date
Sales Representative
3200 N. Grandview Boulevard
Waukesha, WI 53188 (WT-896)
Phone: (800) 886-0815
Fax: (877) 479-1810

• Accepted By:

Date

• Credit Approval By:

Date

BUYER:
Heritage Hospital

• Agreed To By:

7/18/05

Authorized Customer Representative — Date

President

Title

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General Electric Company

GE Healthcare

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		Upgrade TO Lightspeed 16 CT System	
		Base System	
1	S7868WA	Upgrade to LightSpeed 16 System The LightSpeed 16 CT Scanner with Xtream Technology Represents the Next Step in Multi-slice CT Scanning. With a Total of 16 Slice Acquisition per Rotation, the LightSpeed 16 Scanner Provides Tremendous Scanning Speed. The Proven and Reliable LightSpeed Matrix II Detector and Performix X-ray Tube are Combined in GE's Award Winning Compact Gantry to Make This the Ultimate Choice for CT Clinical Value. In the Tradition of the Continuum, the LightSpeed 16 Scanner is Available Either as as a Cost Effective Upgrade From Many GE Premium Scanners, Including HSA 1.x/2.x, CT/i, LightSpeed QX/i, LightSpeed Plus and LightSpeed Ultra. Key Features: o Full 360 Degree Rotation Speeds of 0.5, 0.6, 0.7, 0.8, 0.9, 1, 2, 3, and 4 Seconds o Xtream Workflow Technology to help Maximize Your Productivity o Faster Scan Times Enable Shorter Breath Holds, More Comfortable Exams, and a Reduced Occurrence of Rescans Due to Patient Motion During the Exam. o Routine Scanning with Image Thickness Selections as Thin as 0.625 mm - Optimizing Lesion Detection and Facilitating the Use of Thinner Images for Volume Presentations. o Reduced Partial Volume Artifacts o Image Decomposition to: - Retrospective Thin Images From Data Sets Where Thicker Images were Initially Reconstructed - Facilitates More Detailed Image Analysis Without Need for Re-scans. - Improves 3D Visualization. - For Both Helical and Axial o Four Fundamental Scan Modes Simplify Multi-slice Helical Scanning. o Standard Set of 30 Clinically Proven Protocols and the Ability to Customize More Than 4000 Total o Remote Tilt to Increase Exam Speed, Including Built-in Safety Features o Built-in Breathing Lights with a Countdown Timer o In Room Start Button Mounted on Gantry	

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with Countdown Display, Facilitates Single Technologist Operation and Improved Departmental Productivity.
- o Highly Efficient Compact Geometry Design Delivering Optimum Performance of the X-ray Tube and Generator
- o GE Proprietary, Non-linear Interpolation Algorithms, Balance Slice Profile, Helical Pitch, Image Noise, and Required Technique.
- o Tracking Collimator Hardware and Software for X-ray Beam Tracking to Minimize Patient Dose.
- o GE Software Automates Every Exam Task to Increase Throughput.
- o Filtration of the X-ray Beam is Optimized Independently for Body and Head Applications
- o DLP (Dose Length Product), and Dose Efficiency Display During Scan Prescription Provides Patient Dose Information to the Operator.
- o 250,000 Uncompressed 512 Image Files Storage Capacity

Clinical Benefits:
- o Cardiac CT (Option) Allows ECG Gated Acquisitions of the Heart in SnapShot Mode
- o Coronary Artery Calcification Imaging with Retrospective and Prospective Gating-Option
- o CTA Runoff
- o More Thin Slices Faster; Routine Use of Thin Slices Without Components in IQ, Coverage, or Throughput.
- o Full Organ Coverage in Arterial Phase
- o Longer Helical Scans
- o Multi-phase Organ Studies
- o Improved Multi-planar Reformats with MicroVoxel Imaging
- o Faster Scanning with Outstanding Image Quality and GE's Proprietary Cross Beam and Hyperplane Reconstruction Algorithms
- o Optimization of Z-Axis Resolution and Dose with 0.625 mm Slice Thickness
- o InSite Broadband Built In - Includes hardware install support essential for systems to be ready for high speed internet connection. Enables customer to access services designed to: improve quality, enhance performance, increase productivity, reduce costs, reduce downtime, expand imaging capabilities, and increase privacy and security of data transmission.

System Components: Gantry, Advanced Slip Ring Design Continuously Rotates Generator, Tube,

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Detector and Data Acquisition System Around the Patient.
- o Aperture: 70 cm
- o Tilt: +/- 30 Degrees
- o Tilt Speed: 1 Degree/Second
- o Focus to Detector: 95 cm
- o Focus to Isocenter: 54 cm
- o Maximum SFOV: 50 cm
- o Rotational Speeds: 360 Degrees in 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 2.0, 3.0, and 4.0 Seconds
- o Remote Tilt From Operator's Console
- o Integrated Breathing Lights and Countdown Timer
- o Integrated Start Scan Button with Countdown to X-ray On

Laser Alignment Lights:
- o Defined Internal and External Scan Planes to +/- 1 mm Accuracy
- o Operate Over Full Range of Gantry Tilt
- o Coronal Light Remains Perpendicular to Axial Light as Gantry Tilts Making Visual Readout Easy to Read From the Tableside or the Operator Console.

Table - Single Table with Cantilever Design Offers a Wide Height Range.
- o Vertical Range: 51.6 cm to 99.1 cm
- o Vertical Scannable Range: 88 cm to 99.1 cm
- o Elevation Speeds: 5 mm/sec and 40 mm/sec
- o Horizontal Range: 170 cm
- o Horizontal Scannable Range: 170 cm Metal Free (Axial) and 160 cm Metal Free (Helical & Scout)
- o Horizontal Speed: Up to 100 mm/sec
- o Table Automatically Recenters on Scan Plane with Changes in Vertical Position
- o Table Load Capacity:
  - 180 kg (400 lb) with +/- 0.25 mm Positional Accuracy
  - 205 kg (450 lb) Maximum Allowed with Normal Operation and +/- 1 mm Positional Accuracy

X-ray Tube
Performix Ultra Metal-Ceramic Tube Unit Offers an Optimized Design for Exams Requiring a Large Number of Scans Without Tube Cooling.

- o Performix Ultra Tube with 6.3 MHU of Storage and Capability of 53.2 kW Operation Provides Increased Helical Performance with Greater Patient Throughput and Virtually No Tube Cooling. Advanced Technology in

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the Performix Ultra Tube Includes a Metal Ceramic Frame for Long Life, a High Speed Bearing for Sub-second Scanning, a High Efficiency Motor to Accelerate the Large Anode, and Efficient Cooling for High Throughput and Superior Helical Performance.

- o Wide Range of Technique Factors (10 mA to 440 mA, in 5 mA Increments) Gives Operator and Physician Flexibility to Tailor Technique to Specific Needs, Optimizing Patient Dose, and Providing the Power Needed to Perform a Broad Spectrum of Axial and Helical Examinations.
- o Heat Storage Capacity: 6.3 MHU
- o Heat Dissipation:
  - Anode (Max) 840 KHU/min
  - Casing (cont) 300 KHU/min
  - Tube Unit: 6.9 kW Continuous for 10 Minutes
- o Dual Focal Spots:
  - Small Focal Spot: 0.7 (W) x 0.6 (L) Nominal Value; (IEC 336/93); 0.9 mm (W) 0.7 mm (L) (Traditional Methodology)
  - Large Focal Spot: 0.9 (W) x 0.9 (L) Nominal Value; (IEC 336/93); 1.2 mm (W) x 1.2 mm (L) (Traditional Methodology)
- o Maximum Power: 53.2 kW
- o Beam Collimated to 55 Degree Fan Angle. Average Time to Replace Tube: </= 10 Hours

High Voltage Generation
High Frequency On-board Generator Allows for Continuous Operation During Scan.

- o 53.2 kW Output Power
  - o kVp: 80, 100, 120, 140 kVP
  - o mA: 10 to 440 mA, 5 mA Increments. Maximum mA for Each kVp Selection:

kVP	Max mA
80	400
100	420
120	440
140	380

HiLight Matrix II Detector
The HiLight Matrix II Detector was Designed for High Performance Imaging with 8 x 1.25 mm Rows and 16 x 0.625 mm Rows. The LightSpeed 16 Allows up to 16 Slices per Rotation. The Benefits From the HiLight Matrix II Detector are:

- o Increased Coverage per Rotation with Thinner Slices
- o Solid Image Quality From the Use of GE's Patented HiLight Material, a Ceramic

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the Real Performance of the Scanner:

- o Scan Setup
- o Primary Reconstruction
- o Filming
- o Archiving
- o Network Transfers
- o Secondary Reconstruction
- o Secondary Filming
- o 3D Processing

The LightSpeed 16 CT is Designed for High Performance in Each of These Tasks:

- o SmartTools Simplifies Scan Setup and Includes All Reconstructions, Filming, Archiving, Transferring Prospectively Reducing Exam Time by Up to 40%.

Scan Modes
The LightSpeed 16 CT Scanner System can Perform Virtually Any Clinical Application Due to its Wide Variety of Scan Modes. With the LightSpeed 16 CT Scanner System, Body CT Studies are Easier to Perform and More Productive Than Ever Before. Helical Scan Mode Offers Continuous 360 Degree Scanning with Table Incrementation and No Interscan Delay. Axial Scan Mode Allows for Up to 16 Contiguous Axial Planes to be Acquired Simultaneously with Each Delay. Axial Scan Mode Allows for Up to 16 Contiguous Axial Planes to be Acquired Simultaneously with Each 360 Degree Rotation. The Time Between Scans can be Set by the User-selected Interscan Delay (ISD) or Intergroup Delay (IGD). Axial Scans may be Easily Clustered in Groups to Allow Multiple Scans in a Single Breath hold.
Scout, the Final Scan Mode, Offers Single Radiographic Plane for Scan Localization and Graphical Prescription of Prospective Reconstruction. The Extended Range in This Mode Matches Helical Scannable Range.

Helical Scans
Simplified Scan Prescriptions and Easy-to-use Default Protocols Make the LightSpeed 16 CT Scanner System Fast and Efficient In-patient Set up. Contrast Agents may be Better Utilized as Well Due to Significantly Faster Scans. Helical Protocols are Nearly Identical to "Classical" Axial Scan Protocols. At the Beginning of a Study, the Operator Selects the Type of Exam with the Anatomical Programmer, and Indicates the Desired Scan Range - Either Manually or From a Scout.

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Helical Multi-slice Modes
The Complex Nature of Helical Multi-slice Scanning has Been Simplified by Grouping All Critical Acquisition Parameters with Helical Pitches Optimized for Image Quality and Speed - 0.625:1, 0.875:1, 1.35:1, 1.675:1 for 8 Slice and 0.5625:1, 0.9375:1, 1.375:1, 1.75:1 for 16 Slice Acquisition. These Clinically Derived Multi-slice Scan Modes Offer a Wide Range of Selections That Carefully Balance Acquisition Speed, Image Thickness Available for Each Choice of Acquisition Parameters. The Helical Scan Modes Provide Table Speeds up to 35 mm per Rotation Enabling Scan Speeds That are Up to 20 Times Faster Than Single Slice Helical Scanners.

Prospective Multiple Thickness Reconstruction

For All Helical Scan Modes, the Operator can Choose to Reconstruct Images Prospectively in Any of 7 Nominal Image Thicknesses 0.625, 1.25, 2.5, 3.75, 5, 7.5, and 10 mm. In Addition to the Initial Reconstructed Slice Thickness, the Operator has the Option to Prospectively Specify Additional Images to be Reconstructed From a Single Raw Data Set. These Images can be Reconstructed at Any of the Defined Nominal Image Thicknesses Available for a Given Table Speed and Scan Mode. This Effectively Facilitates Later, More Detailed Image Analysis Without Additional Patient Scans and Subsequent Dose and Image Registration Concerns.

Helical Scan Parameters:
Scan Speed: Full 360 Degree Rotational Scans in 0.5, 0.6, 0.7, 0.8, 0.9 and 1.0

Scan Technique:
- o kVp: 80, 100, 120, 140 kVp
- o mA: 10 to 440 mA, 5 mA Increments
- o Power: 0.8 to 53.2 kW
- o Focal Spot Selection:
  - Small Spot for Up to 24 kW
  - Larger Spot for Greater Than 24 kW
- o Single Acquisition Max. Scan Time: 120 sec
- o Multiple Acquisition Maximum Scan Time: Multiple Scans can be Acquired in One Series to Produce Up to 3000 Contiguous Helical Images. Greater than 2000 Seconds Helical Coverage are Possible in Multiple Series.
- o Minimum Inter-group Delay (IGD): 5 sec Between Adjacent Helical Scans

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o Scan Fields-of-view:
- 25 cm for Adult Head
- 25, 50 cm for Body
- 25 cm for Pediatric Head

Helical Scan Enhancements
Full Simultaneity Allows Complete Image Display, Processing and Analysis, as Well as Image Archival and Filming Concurrent with Scanning and Reconstruction - Even When Acquiring Helical Images in a Multi-slice Mode.
Anatomical Programmer: a Ten Region Anatomical Selector Allows Quick and Easy Access to 15 User Programmable Protocols per Region. Separate Selector for Adult and Pediatric Exams with Greater Than 4000 Protocol Storage Available.

- o Ten User-defined Regions. Each Region has One Default Protocol Displayed with the Anatomical Selector for Very Fast Access to Most Commonly Used Protocols.
- o Protocols Include Preset Scan Time, kVp, mA, Scan Mode, Image Thickness and Spacing, Table Speed, Scan FOV, Display FOV and Center, Recon Algorithm, and Special Image Acquisition and Processing Options.
- o Any Scan Parameters may be Edited for Each Scan or All Scans - Either Before or During an Exam. The Number of Scans may Also be Easily Changed.
- o AutoScan: Fully Automates Longitudinal Table Movement and Start of Each Scan.
- o AutoVoice: 3 Preset (English) and 17 User Defined Messages Automatically Deliver Patient Breathing Instructions, Especially Useful for Multiple Helical Scanning.
- o Trauma Patient: Allows Patient Scans and Image Display/Analysis Without Entering Patient Data Before Scanning.
- o Simplified Prescription for Single or Multiple Scans Around an Arbitrary Table Position Aids Biopsy Studies.

Axial Scans
Multi-slice Acquisitions and Short Interscan Delays Significantly Reduce Potential Misregistration Between Scans by Increasing the Number of Scans Possible in a Patient Breath Hold. Simplified Scan Prescriptions and Easy-to-use Default Protocols Make the LightSpeed 16 CT Scanner System Fast and Efficient in Patient Set-up. Axial Protocols are Nearly Identical to Helical Scan Protocols.

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Axial Multi-slice Modes
The LightSpeed 16 CT Scanner System Acquires Axial Scans in Sets of Up to 16 Contiguous Images in One 360 Degree Rotation. The LightSpeed 16 CT Scanner System Acquires Axial Images Up to 16 Times Faster Than Single Slice Scanners with the Same or Better Image Quality. Additionally, Thin Slice Acquisition Reduces Partial Volume Artifacts and Improves Image Quality Versus Conventional Single Slice Axial Scans. For Each Rotation of the Gantry, the LightSpeed 16 CT Scanner System Collects 16 Rows of Scan Data. There are Five Reconstruction Modes Available for Creating Images From the Multi-slice Scan Data (1i, 2i, 4i, 8i, and 16i). By Using 1i, 2i, 4i, and 8i Reconstruction Modes, Scan Data can be Combined Prior to Image Reconstruction to Create Slices with Reduced Partial Volume Artifacts. This is Particularly Useful for Posterior-fossa Imaging.

1i Mode:
- o Produces a Single Image per Rotation
- o Nominal Thickness: 1.25, 10 mm

2i Mode:
- o Produces 2 Images per Rotation
- o Nominal Thickness: 5, 7.5, 10 mm
- o Sub-mm Produces 2-0.63 mm Images per Rotation

4i Mode:
- o Produces 4 Images per Rotation
- o Nominal Thickness: 2.5, 3.75, 5 mm

8i Mode:
- o Produces 8 Images per Rotation
- o Nominal Thickness: 1.25, 2.5 mm

16i Mode:
- o Produces 16 Images per Rotation
- o Nominal Thickness: 0.625, 1.25 mm

Axial Scan Parameters:
In All Cases, 16 Slices of Data are Acquired.

Scan Time:
- o 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 2.0, 3.0 and 4.0 sec Full Scans (360 Degree Acquisition)

Scan Technique:
- o kVp: 80, 100, 120, 140 kVp

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- mA: 10 to 440 mA, 5 mA Increments
- Power: 0.8 to 53.2 kW

- Focal Spot Selection:
  - Small Spot for Up to 24 kW
  - Larger Spot for Greater Than 24 kW

Scan Plane Geometry:
- +/- 30 Degree Angulation Via Gantry Tilt, in 0.5 mm Increments
- Longitudinal Positioning in 0.01 mm per Slice Increment. Gantry Display in 0.5 mm Increments.

Interscan Delay (ISD):
- Minimum ISD with Table Moves of 0-10 mm: 1.0 sec.
- Minimum ISD with Table Moves of More Than 10 mm and Up to 20 mm: 1.3 sec
- User-selectable

Intergroup Delay (IGD):
- Minimum IGD is the Same as Minimum ISD; Also User-selectable.

Scan-to-scan Cycle:
- Minimum Scan-to-scan Cycle of 1 sec Possible for 0.5 sec Scan Speed with Minimum ISD's.

Scan Fields-of-view:
- 25 cm for Adult Head
- 25, 50 cm for Body
- 25 cm for Pediatric Head

Scan with 0 Table Increment, Contiguous Image Location, or Skipped Image Location are Possible. Overlapped Axial Scans are Not Possible.

Axial Image Reconstruction
Reconstruction Algorithms: Soft Tissue, Standard, Detail, Bone, Bone Plus, Lung, and Edge.
Reconstruction Matrix: 512
Display Matrix: 1024
Display FOV: Freely Variable Center/Off-center, Prospective/Retrospective Target Selection
CT Number Scale: -1024 to 3071 HU

Axial Image Reconstruction:
- As Fast as 6 Frames Per Second Image to Image
- Maximum Cycle Time is +/- 10% for Prospective and Retrospective Image Display

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to Image Display for 512 Matrix with any Display FOV in AutoView (All Layouts) with Concurrent Filming and Image Archival for All Scan Modes.
o Iterative Bone Processing Increases Time by 250 milliseconds

Prospective Multiple Reconstruction (PMR): Up to 3 Sets of Reconstructions can be Pre-programmed as Part of the Scan Protocol Prior to Acquisition. The Operator can Select Different Reconstruction Algorithms and Display Fields-of-view for Each Reconstruction. This Frees the Operator From Sitting at the Console and Directly Contributes to Increased Productivity. The Operator has the Option to Reconstruct the Original Raw Data Set at Any of the Defined Nominal Image Thicknesses.

Reconstruction can be Prescribed Down to 1/16 the Original Acquisition Image Thickness for Images Acquired in the 1i Scan Mode, Down to 1/8 the Original Thickness for 2i Mode, Down to 1/4 the Original Thickness for 4i Mode, and Down to 1/2 the Original Thickness for 8i Mode. Similarly, Additional Reconstruction Supports Partial Volume Artifact Reduction by Reconstructing Images with 2, 4, 8, or 16 Times the Acquisition Image Thickness. These Reconstruction Features Effectively Facilitate Later, More Detailed Image Analysis Without Additional Patient Scans and Subsequent Dose and Image Registration Concerns.

Warranty
The Published Company Warranty in Effect on the Date of Shipment Shall Apply. The Company Reserves the Right to Make Changes. All Specifications are Subject to Change.

Regulatory Compliance
This Product is Designed to Comply with
MDSCICS NP

Performance

1	B7500PL	ConnectPro HIS/RIS Interface Option for LightSpeed with Linux (includes bar code reader)	

ConnectPro Offers New Levels of Productivity to LightSpeed Users by Providing a Connection Between the Facilities Hospital (HIS) or Radiology (RIS) Information System. ConnectPro Simplifies and Eliminates Errors in Patient Data Entry.

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Data Available at the Operator Console When Using ConnectPro Includes:

- o Procedure Step Code/Description
- o Requested Procedure Code/Description
- o Performed Procedure Step Compatibility
- o Demographic Data - Name, ID, Age, Birthday, Sex, etc.
- o Study UID - Unique ID Number
- o Scheduling Info - Dept, Modality, Station Address, Accession #, Date, Time

The Operator has Three Convenient Ways to Enter Patient Information:

- o Scan Barcode
- o Type in Unique Identification Number
- o Select From a List of Patients

All of This Results in:

- o Enhanced Productivity
- o Direct Patient Data Entry
- o On-line Access to Schedules
- o Display of Patients Scheduled for Current Time of Day
- o Full Simultaneity with All Scanner Operations
- o Eliminates Errors Critical for "Filmless" Operation
- o Enhances Quality of Care
- o Obtain Key Data From Your HIS/RIS via Modality Worklist - Allergies, Pregnancy Status, Medical Alerts
- o Easy to Use
- o User-selectable Filtering and Sorting
- o Seamless Integration with LightSpeed

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		o Performed Procedure Step Compatibility	
		Note: May Require Interface Box for Conversion of HL7 to Dicom.	
		Software/ Applications	
1	B78001ME	CT Advanced Lung Analysis for Advantage Windows 4.1 and Higher (Previously Installed AW Systems Only!)	
		NOTE: Available Only for Advantage Windows Version 4.1 and Higher. Host ID of of Advantage Windows Needed to Place Order for CT Advanced Lung Analysis Software.	
		CT Advanced Lung Analysis (ALA) is an Image Analysis Software Package that Allows the User to Measure Lung Nodule Volumes and Their Growth Over Time. The Package Provides 3D Volume Measurements, Estimation of the Doubling Rates, and the % Growth for Follow-Up Exams. In Addition, ALA Aids the Clinician in the Overall Investigation of Lung Nodules by Supplying Advanced One-Click Segmentation and Reading Tools for More Effective Visualization of Nodules.	
		For the Review Phase of a Single Exam, a Large Screen Axial View Provides Tools for Measurements, Paging with Increased Slice Thickness and MIP, as Well as Bookmarking Tools to Mark Nodules. In the Analyze Phase, One-Click Segmentation Automatically Separates Nodules From Vessels and the Pleural Wall. The Volume of the Nodule is then Displayed, and an Automatic Save of the Bookmark (for Use with a Follow-Up) then Takes Place. A Physician and Patient Report is Also Available, with Demographic and Patient Information.	
		For a Follow-Up Exam, Bookmarks are Propagated for Comparison, and Following Segmentation Doubling Time and % Growth are Displayed in Addition to the Other Information.	
		System Requirements:	
		Advantage Workstation AW 4.1 or Higher	
		Selling:	
		CT Advanced Lung Analysis for Advantage Windows 4.1 and Higher	

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		CT Training	
1	W0100CT	CT Onsite System Training For QX/I,CT/I,FX/I, DX/I, LX/I, ZX/I, CT/e o One Four (4) Day Onsite Visit to Coincide With System Start-up. o One Two (2) Day Onsite Follow-UP Visit (6-8 Weeks Post System Start-up).	
#3 KK 7/18/05	W0007HC	4 Day Introduction Class for technologists new to CT. Class is focused on basic CT and multislice theory and general system usage. Includes travel and modest living expenses.	
		Monitors and Monitor Supports	
1	B7858LC	Two Flat Panel LCD Monitors for LightSpeed	
		Other	
1	E8007ND	Medrad Stellant D CT Injector with Counterpoise System Mount and Dual Injector Head with Saline Flush Capability ..C Installation provided by Medrad.	
1	E8016AM	LightSpeed/HighSpeed Advantage/CTi Slicker Blue Foam Cushion is Thermally Sealed in a Clear Micromatte Vinyl Protective Cover System That Resists Contanimation of the Cushion and Table. Set Includes Table Cushion, Extender Cushion, and Catheter Bag Hanger ..H	
1	E6330CF	Rad Pad for CT HiSpeed Advantage Systems. Includes Two Pads, 16 Inches x 75 Inches and and 16 Inches x 12 Inches, Gray ..H	
1	E6328BH	Flexible Patient Transfer Board, 1/2 Inch x 23 Inch x 73 Inch. Radioluscent so That Patient can be Imaged While Remaining on Board. Includes Four 1.5 Inch x 16 Inch Straps ..H	
1	E6328BF	Wooden Transfer Board Hanger. Holds up to Five Patient Transfer Boards. Mounting Hardware Included ..H	
1	E8016AE	Footswitch Slicker for CT HiSpeed Advantage and Pet Advanced Systems. Clear PVC Cover Protects Footswitch and Facilitates Faster, More Thorough Cleanup of Contamination Caused by Body Fluids. Held Securely in Place With Velcro ..H	
1	E8100JJ	CT Patient Logbooks. Five Books per Pack ..H	
1	B7800KE	English Language Keyboard	
1	M80501VG	Volume Viewer Plus	

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Quotation Number:F9XC1U8

QTY	CATALOG	DESCRIPTION	PRICE
1	L8042GS	The Advantage Workstation 4.2 is the platform with exceptional stability, quality and flexibility to deliver multi-modality image management, review, comparison and processing with simplicity and power. Powerful software is optimized for state-of-the art technology to provide modularity and leading edge performance. The AW 4.2 software includes: o Volume Viewer: the 3D software package that includes Volume Rendering, Volume Analysis, Navigator and other 3D visualization and analysis tools o Advanced X-ray Analysis: designed to accommodate routine and special procedures, this provides tools specifically for the review of DICOM X-ray images. o 2D image viewer that displays RT, CT, MR, CR X-Ray (Angio and R&F), Digital X-Ray (DX), MG, NM, PET, U/S, Secondary Capture, Secondary Capture Color DICOM Image Objects o Filmer: the multimedia export tool that creates standard or free-format electronic films in DICOM SR that can be saved, networked or printed to a DICOM, DICOM color or a supported postscript printer Electronic films can also be exported out of the DICOM environment in a variety of multimedia formats (HTML, PDF, JPEG, PNG, MPEG, AVI, QuickTimey VR). This Package contains: o AW4.2 operating platform, Patient List, database, and DICOM networking o Volume Viewer (VA, VR, Navigator) o 2D Viewer o Filmer o Data Export o Advanced X-ray Analysis o One 18" flat panel monitor o HP Xw8000 Workstation: - Dual Intely Xeon Processor 2 x 3.06GHz CPU clock speed, 512KB cache per CPU - 2GB RAM (expandable to 4GB) - 2 x 73 GB: Ultra320 SCSI 15,000rpm hard disks (120 GB can be used for image storage) - Internal CD-ROM burner (40x read/write) for DICOM media interchange and writing of DataExport electronic films	

P.O. Box 414, Milwaukee, WI, 53202-0414
gehealthcare.com

General Electric Company

GE Healthcare

Heritage Hospital
111 Hospital Drive
Tarboro, NC 27886

Quotation

Date:July 07, 2005

Quotation Number:F9XC1UB

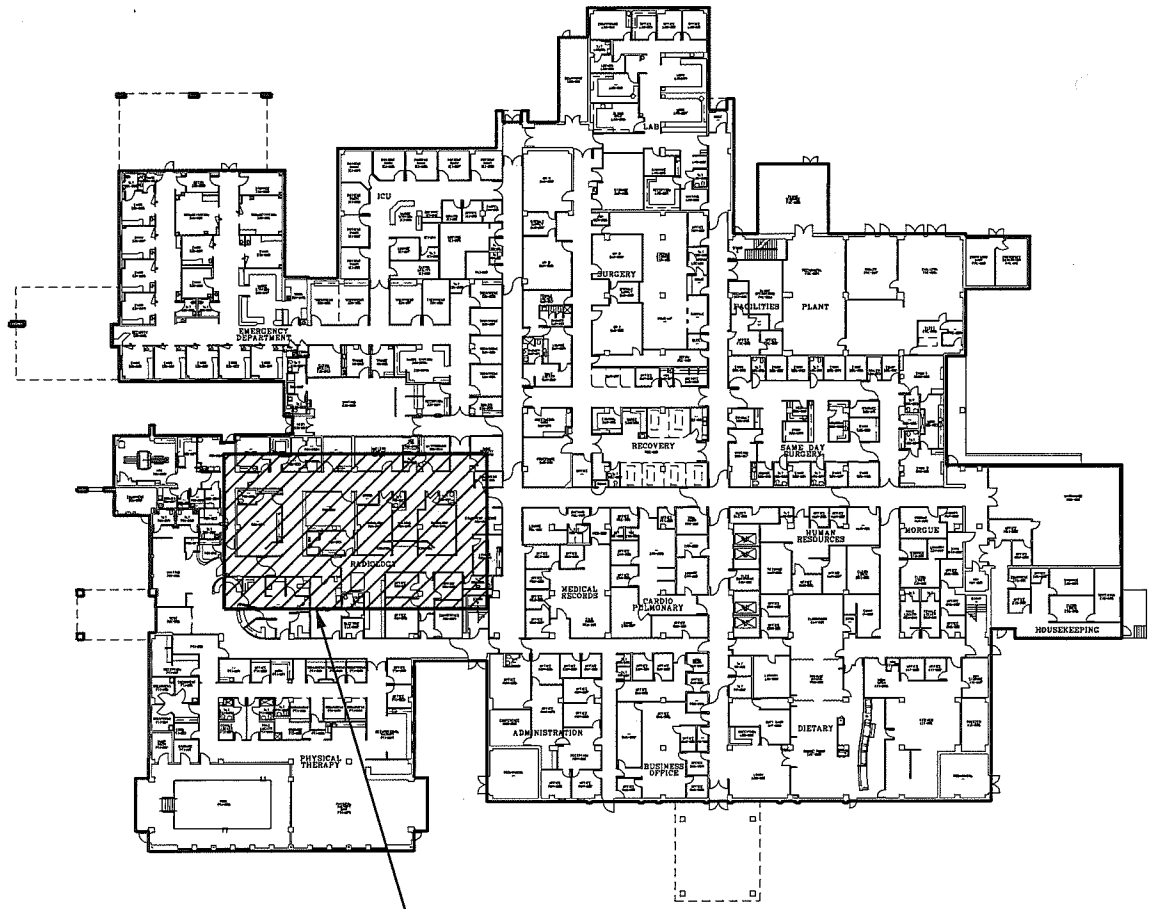
QTY	CATALOG	DESCRIPTION	PRICE
		- 10/100/1000 base-T network interface - US PS2 and mechanical 3-button mouse - 3 inch floppy drive for service use and preset archive capability **DOES NOT INCLUDE AUTOBONE SOFTWARE (M80501AB)	
		Since Gold Seal Preowned Equipment may be Offered Simultaneously to Several Customers, its Sale to You is Subject to Availability and Subject to Prior Sale at the Time You Offer to Purchase It. If the Equipment is no Longer Available, (1) We Will Attempt to Identify Other Gold Seal Preowned Equipment in Our Inventory Thats Meets Your Needs, and (2) if Substitute Equipment is Not Acceptable to You, We Will Cancel Your Order and Refund Any Deposit You Have Paid us for the Canceled Order.	
		Total Net Selling Price Includes Trade-In	
		KM 7/18/05 879971C5 - Colonoscopy included TOTAL NET EQUIPMENT SELLING PRICE Software C.	~~692,000.00~~ #684,427.00
		10% Down with order	KM 7/18/05 *69,200.00*
		70% Due on delivery of major components and prior to installation	*484,400.00*
		Balance due upon completion of installation and/or availability for first use	*138,400.00*

P.O. Box 414, Milwaukee,
WI, 53202-0414
gehealthcare.com

General Electric Company

Appendix C

Current and Proposed Drawings



LOCATION PLAN

SCALE: 1"-100'-0"

VIDANT HEALTH

FACILITIES + PROPERTIES
2100 STANTONSBURG ROAD
DOCTORS PARK #1C
GREENVILLE, NC 27834

(252) 847-4587 PHONE
(252) 847-8204 FAX

VIDANT EDGECOMBE

TARBORO, NORTH CAROLINA

CT SCANNER REPLACEMENT

REVISIONS

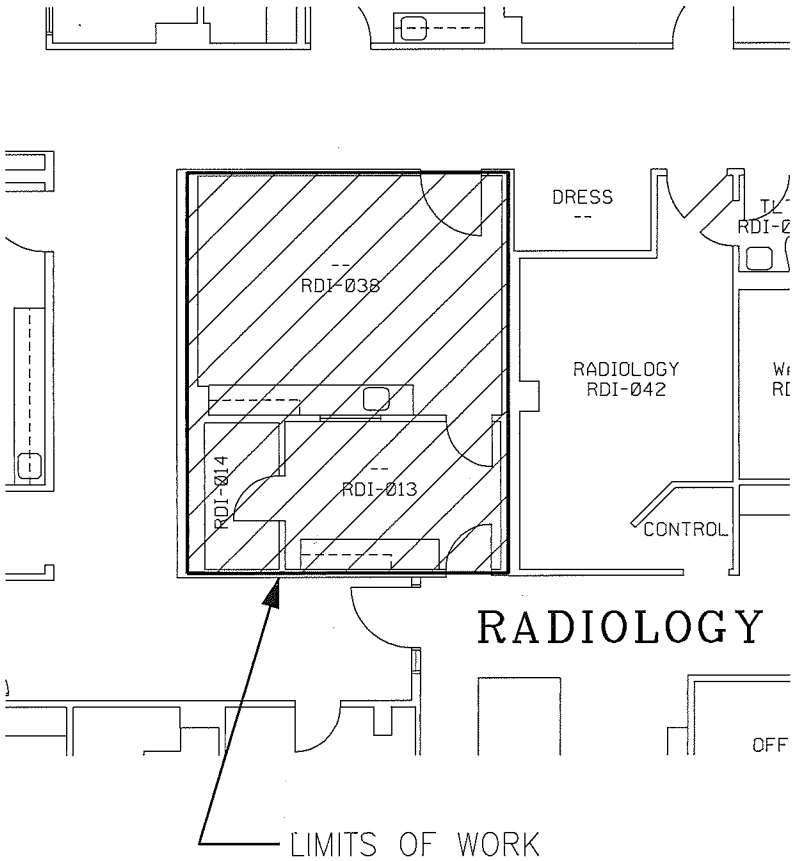
MARK	DATE	DESCRIPTION
-	-	-

PROJECT NO.	2014-VEDG-3638
DATE	09/11/2014
DRAWN BY	DNEWBOLD

SHEET NO. 01 OF 2

A1

RECORD DRAWINGS



FLOOR PLAN

SCALE: 1/8"-1'-0"

VIDANT HEALTH

FACILITIES + PROPERTIES
2100 STANTONSBURG ROAD
DOCTORS PARK #1C
GREENVILLE, NC 27834
(252) 847-4587 PHONE
(252) 847-8204 FAX

VIDANT EDGECOMBE
TARBORO, NORTH CAROLINA

CT SCANNER REPLACEMENT

REVISIONS

MARK	DATE	DESCRIPTION
1		

PROJECT NO.	2014-VEDG-3638
DATE	09/11/2014
DRAWN BY	DNEWBOLD

SHEET NO. 2 OF 2

A2

RECORD DRAWINGS

Appendix D

Capital Cost Sheet

CAPITAL COST SUMMARY

Site Costs		
(1) Full purchase price of land	$ 0	
Acres 0 Price per Acre $_____		
(2) Closing costs	$ 0	
(3) Site Inspection and Survey	$ 0	
(4) Legal fees and subsoil investigation	$ 0	
(5) Site Preparation Costs [Include]		
Soil Borings		
Clearing and Grading		
Roads and Parking		
Sidewalks		
Water and Sewer		
Excavation and Backfill		
Termite Treatment		
Sub-Total Site Preparation Costs	$ 0	
(6) Other (Specify)	$ 0	
(7) Sub-Total Site Costs		$ 0
Construction Contract		
(8) Cost of Materials [Include]		
General Requirements		
Concrete/Masonry		
Woods/Doors & Windows/Finishes		
Thermal & Moisture Protection		
Equipment/Specialty Items		
Mechanical/Electrical		
Sub-Total Cost of Materials	$ 87,386	
(9) Cost of Labor	$ 58,257	
(10) Other		
(11) Sub-Total Construction Contract		$ 145,643
Miscellaneous Project Costs		
(12) Building Purchase	$ 0	
(13) Fixed Equipment Purchase/Lease	$ 504,000	
(14) Movable Equipment Purchase/Lease	$ 0	
(15) Furniture	$ 0	
(16) Landscaping	$ 0	
(17) Consultant Fees		
Architect and Engineering Fees	$ 16,182	
Legal Fees	$ 0	
Market Analysis	$ 0	
CON Preparation	$ 0	
Sub-Total Consultant Fees	$ 16,182	
(18) Financing Costs (e.g. Bond, Loan, etc.)	$ 0	
(19) Interest During Construction	$ 0	
(20) Other (Information Systems)	$ 1,500	
(21) Sub-Total Miscellaneous		$ 521,682
(22) Total Project Capital Cost (Sum A-C above)		$ 667,325

Appendix E

Existing Equipment Removal Letter

GE Healthcare

Jim Benecki
MICT product modality leader

GE Healthcare

February 2, 2015

Ms. Susan Ainsley
Radiology Manager
Vidant Edgecombe Hospital
111 Hospital Drive
Tarboro, NC 27886

Dear Susan,

This letter is to confirm the **GE Lightspeed 16** slice CT equipment that your facility is offering, as a trade in for the new GE Optima 660 scanner will be removed from the state of North Carolina after being de-installed.

This equipment will not be operational in North Carolina. It will be sent back to our manufacturing division in Milwaukee, Wisconsin.

Regards,

Jim Benecki
Product Sales Specialist
Eastern Carolinas

GE Healthcare Technologies
5901 Hollyholm Trace
Wilmington, NC 28409
U.S.A.
www.gehealthcare.com

C 615-390-3634

E: jim.benecki@med.ge.com

Appendix F

Response to Required Questions

Responses to the Required Questions

1. **A comparison of the existing and replacement equipment, using the format in the attached table. Note: If the manufacturer's model and serial numbers for the existing equipment are not provided, the exemption request will not be processed until the numbers are provided.**

   See Appendix B for the equipment comparison table

2. **A description of the basic technology and functions of the existing and replacement equipment, including diagnostic and treatment purposes for which the equipment is used or capable of being used.**

   Computed tomography, more commonly known as a CT or CAT scan, is a diagnostic medical test that, like traditional x-rays, produces multiple images or pictures of the inside of the body. The cross-sectional images generated during a CT scan can be reformatted in multiple planes, and can even generate three-dimensional images. These images can be viewed on a computer monitor, printed on film or transferred to a CD or DVD. CT images of internal organs, bones, soft tissue and blood vessels typically provide greater detail than traditional x-rays, particularly of soft tissues and blood vessels. Using specialized equipment and expertise to create and interpret CT scans of the body, radiologists can more easily diagnose problems such as cancer, cardiovascular disease, infectious disease, appendicitis, trauma and musculoskeletal disorders.

3. **Brochures or letters from the vendor describing the capabilities of the existing equipment and the replacement equipment.**

   See Appendix B for the brochures from the vendor and Appendix A for the specifications of the replacement equipment.

4. **A copy of the purchase order for the existing equipment, including all components and original purchase price.**

   See Appendix B for the original quote for the existing equipment and its specifications

5. **A copy of the title, if any, for the existing equipment or the capital lease for the existing equipment.**

   Not Applicable. A title does not exist, but VEDG does wholly own the existing scanner.

6. **If the replacement equipment is to be leased, a copy of the proposed capital lease that transfers substantially all the benefits and risks inherent in the ownership of the equipment to the lessee of the equipment, in accordance with criteria in Generally Accepted Accounting Principles (GAAP).**

   Not Applicable. The proposed replacement equipment will be purchased, not leased.

7. **If the replacement equipment is to be purchased, a copy of the proposed purchase order or quotation, including the amount of the purchase price before discounts and trade-in allowance.**

   See Appendix A for the vendor quote for the proposed replacement equipment.

8. **A letter from the person taking possession of the existing equipment that acknowledges the existing equipment will be permanently removed from North Carolina, will no longer be exempt from requirements of the North Carolina Certificate of Need law, and will not be used in North Carolina without first obtaining a new certificate of need.**

   See Appendix E for the letter from the person taking possession of the existing equipment that acknowledges the existing equipment will be permanently removed from North Carolina, will no longer be exempt from requirements of the North Carolina Certificate of Need law, and will not be used in North Carolina without first obtaining a new certificate of need.

9. **Documentation that the existing equipment is currently in use and has not been taken out of service.**

   To date, the equipment is still in service and is used to perform approximately 28 scans per day.