



DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER
GOVERNOR

MANDY COHEN, MD, MPH
SECRETARY

MARK PAYNE
DIRECTOR

May 5, 2017

Jeffrey Shovelin
PO Box 6028
Greenville, NC 27835-6028

Exempt from Review

Record #: 2235
Facility Name: Vidant Medical Center
FID #: 933410
Business Name: Pitt County Memorial Hospital, Inc.
Business #: 1443
Project Description: Replace and relocate PET/CT scanner
County: Pitt

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 29, 2017 the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(a)(7). Therefore, you may proceed to offer, develop or establish the above referenced project without a certificate of need.

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

It should be noted that this determination is binding only for the facts represented by you. Consequently, if changes are made in the project or in the facts provided in your correspondence referenced above, a new determination as to whether a certificate of need is required would need to be made by the Agency. Changes in a project include, but are not limited to: (1) increases in the capital cost; (2) acquisition of medical equipment not included in the original cost estimate; (3) modifications in the design of the project; (4) change in location; and (5) any increase in the number of square feet to be constructed.

If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,


Jane Rhoe-Jones
Project Analyst


Martha J. Frisone
Assistant Chief Certificate of Need

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

HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION
WWW.NCDHHS.GOV

TELEPHONE 919-855-3873

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

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

AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER





March 29, 2017

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 the Replacement and Relocation of a PET/CT Scanner at Pitt County Memorial Hospital d/b/a Vidant Medical Center

Dear Ms. Rhoe-Jones:

Pitt County Memorial Hospital, Inc. d/b/a/ Vidant Medical Center (VMC) plans to replace an existing GE Discovery ST fixed PET/CT scanner with a GE Discovery IQ PET/Scanner and relocate the scanner from its current location in the hospital's main radiology department to the hospital's new Cancer Center Tower that is adjacent and contiguous to the main hospital, and is scheduled to open May 2018 (see Appendix C for site plans). The reason for the replacement is the existing equipment is 14 years old and has reached the end of its useful life. The total capital costs for the proposed placement is estimated to be \$1,979,298 (see Appendix D). These costs include all expenses associated with the equipment replacement and relocation. The project will be funded through accumulated reserves and is anticipated to be complete by May 2018.

NOTE: In approved CON Project Q-10068-12 (Cancer Center Tower Project), VMC proposed in that application the existing PET/CT scanner at the hospital would be relocated to the new tower. Therefore, all capital costs associated with building the space to house a PET/CT scanner has already been approved. The \$250,000 in construction costs presented in this letter represents additional dollars needed to upfit the space in the new tower to accommodate the new replacement equipment (additional shielding, electrical, IS, etc. needs).

Since VMC's project costs less than \$2,000,000 and is being done for the sole purpose of replacing comparable medical equipment currently in use, the proposed project meets the definition of "replacement equipment" found in G.S. 131E-176(22a). Since VMC's proposal meets the definition of "replacement equipment", G.S. 131E-184(a)(7) exempts this project from review. Therefore, VMC 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.

Sincerely,

A handwritten signature in black ink that reads "Jeffrey Shovelin".

Jeffrey Shovelin
Director of Corporate Planning
Vidant Health
PO Box 6028, Greenville, NC 27835-6028
252-847-3631
jshoveli@vidanthealth.com

Appendix A

Vendor Quote



GE Healthcare

Date: 11-25-2015
Quote #: PR12-C52352
Version #: 9

Vidant Medical Center
2100 Stantonsburg Rd
Greenville NC 27834-2818

Attn: Sandy Sackrason
2100 Stantonsburg Rd Greenville
NC 27834-2818

Customer Number : 1-2311HJ
Quotation Expiration Date: 12-31-2015

The terms of the Master Purchasing Agreement, Strategic Alliance Agreement or GPO Agreement referenced below as the Governing Agreement shall govern this Quotation. No additional or different terms shall apply unless agreed to in writing by authorized representatives of both parties.

Governing Agreement:	Novation
Terms of Delivery:	FOB Destination
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	NET 30
Total Quote Net Selling Price:	\$1,674,293.00

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) _____

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.

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

CUSTOMER

 Authorized Customer Signature Date

 Print Name Print Title

 Purchase Order Number (if applicable)

GE HEALTHCARE
 James Benecki 11-25-2015

 Signature Date

Product Sales Specialist

Email: Jim.Benecki@ge.com
 Office: +1 615 390 3634
 Mobile: (615) 390-3634
 Fax: (910) 401-1049



GE Healthcare

Date: 11-25-2015
Quote #: PR12-C52352
Version #: 9

Total Quote Selling Price	\$1,729,293.00
Trade-In and Other Credits	\$55,000.00

Total Quote Net Selling Price	\$1,674,293.00

To Accept this Quotation
 Please sign and return this Quotation together with your Purchase Order To:
James Benecki
 Office: +1 615 390 3634
 Mobile: (615) 390-3634
 Email: Jim.Benecki@ge.com
 Fax: (910) 401-1049

Payment Instructions
 Please **Remit** Payment for invoices associated with this quotation to:
GE Healthcare
P.O. Box 96483
Chicago, IL 60693

To Accept This Quotation

- Please sign the quote and any included attachments (where requested).
- If requested, please indicate, your form of payment.
- If you include the purchase order, please make sure it references the following information
 - The correct Quote number and version number above
 - The correct Remit To information as indicated in "**Payment Instructions**" above
 - The correct SHIP TO site name and address
 - The correct BILL TO site name and address
 - The correct Total Quote Net Selling Price as indicated above

"Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms.

Signature page on quote filled out with signature and P.O. number.

*****OR*****

Verbiage on the purchase order must state one of the following: (i) Per the terms of Quotation # _____; (ii) Per the terms of GPO# _____; (iii) Per the terms of MPA # _____; or (iv) Per the terms of SAA # _____. Include the applicable quote/agreement number with the reference on the purchase order.

In addition, source of funds (choice of: Cash/Third Party Loan or GE HFS Lease or GE HFS Loan or Third Party Lease through _____), must be indicated, which may be done on the quote signature page (for signed quotes), on the purchase order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."



GE Healthcare

Date: 11-25-2015
Quote #: PR12-C52352
Version #: 9

11-25-2015

GPO Agreement Reference Information

Customer: Sandy Sackrason
Contract Number: PLEASE SEE NOVATION CONTRACT # BELOW
Start Date:
End Date: 11/30/2016

Billing Terms: 80% delivery / 20% Installation
Payment Terms: NET 30
Shipping Terms: FOB Destination

NOTICE REGARDING COMPUTED TOMOGRAPHY ("CT") PRODUCTS. This notice applies only to the following GE Healthcare products: CT: Revolution CT and EVO, Optima 680 CT and Optima 520 CT. GE Healthcare has reclassified several advanced software tools and associated documentation to a GE Healthcare Technical Service Technology package that GE Healthcare feels will bring greater value and interest to our customers. GE Healthcare will continue to provide trained Customer employees with access to the GE Healthcare Technical Service Technology package under a separate agreement. GE Healthcare will continue to provide customers and their third party service providers with access to software tools and associated documentation in order to perform basic service on the CT, MR and NM products listed above upon a request for registration for such access. This will allow GE Healthcare to react faster to the future service needs of GE Healthcare customers. If you have any questions, you can contact your sales Service Specialist.

This product offering is made per the terms and conditions of Novation/GE Healthcare GPO Agreement # XR11013 (CT) and # XR11031 (PET-CT).

For access to the applicable Novation Agreement and Contract Summary, please login to the Novation Marketplace website. If you require assistance or are experiencing issues please contact one of the following for support:

Novation Customer Service (888) 7-NOVATE NOVCustomerService@novationco.com

Web Site Technical Support (800) 327-8116 NovationTechSupport@novationco.com



Qty	Catalog No.	Description
1	S9225CM	<p>Discovery IQ - 5 Ring Discovery IQ</p> <p>Discovery*IQ is the next evolution in whole body PET/CT platform, bringing clinically-relevant innovations in an evolutionary platform designed to open doors to new and advanced procedure possibilities in a non-invasive diagnostic imaging.</p> <p>Many of the subsystems have been reimagined to bring advances in quantitative PET imaging, single PET/CT organ imaging, managing patient breathing and cardiac movement, PET and CT iterative reconstruction technologies, and workflow efficiency, while providing the highest PET sensitivity in the industry.</p> <p>Discovery IQ platform introduces LightBurst, a reimagined PET detector, designed for optimal detection efficiency and clinical versatility. The new LightBurst PET detector sensitivity and NECR properties are optimized to perform low and high count rate PET/CT imaging thus potentially allowing faster acquisition time and/or lower injected PET dose.</p> <p>LightBurst also features an advanced dual integration acquisition channels technology, which greatly improves the count rate accuracy allowing more accurate PET quantitative measurements for all tracers including Ga68, F18, C11, Rb82.</p> <p>The Discovery IQ consists of an integrated gantry containing:</p> <ul style="list-style-type: none"> o an Optima CT540 designed around a 24 rows and 20mm coverage CT detector and a 6.3MHU anode heat storage capacity tube assembly technology. Discovery IQ meets MITA XR-29-2013 Smart Dose Standards. o a LightBurst PET detector composed of 5 PET rings with integrated Dual energy acquisition electronics. o a scalable PET iterative reconstruction system o a Discovery IQ operator console featuring in standard, the following advanced workflow solutions: RadRx patient study prescription; Q.Check a PET data Quantitative integrity check. o a patient imaging table with one head holder, patient security straps and comfort accessories. <p>Quantitative Imaging</p> <ul style="list-style-type: none"> o Q.Temp - Individual temperature sensor and gain adjustment for each QUAD-Photomultiplier enabling PET acquisition quantitation accuracy. o Dual integration acquisition channels simultaneous acquisition greatly improves count rate accuracy for all tracers. o Q.Check - User configurable data integrity check that can help ensure parameters important for quantitative imaging are saved in the patient DICOM data prior to being sent to the network for analysis and/or archiving. Now includes blood glucose level, date of last therapy, and ability



Qty	Catalog No.	Description
		<p>to note whether patient is diabetic.</p> <ul style="list-style-type: none"> o Q.Prepare Prospective Reconstruction o VUE Point HD utilizes a fully 3D iterative reconstruction technique with all corrections within the loop, enhanced resolution with detector geometry modeling, model-based 3D scatter correction inside and scatter estimation outside the field of view, exclusive randoms corrections based on singles and dead-time correction with pile-up estimates providing high image quality and patient throughput. o WideView - PET reconstructed transaxial Field of View coverage of 70cm diameter with CT based PET attenuation correction and CT wide-FOV Display. Motion Management Motion Management tools enable the reduction of motion artifacts caused by patient breathing and cardiac movement by acquiring motion information during the scan and incorporating it into motion related PET/CT applications. o RAD Rx Variable CT protocols within same exam including Average Cine CT for improved attenuation correction o VIP replay provides integrated list mode processing for generating a variety of scan types (static, dynamic, m gated - PET gated option needed) from a single acquisition. <p>Power Management</p> <ul style="list-style-type: none"> o Energy Save Mode - Place the console, PET computers, and PET gantry into a sleep mode such that non-essential electronics minimize energy usage and heat generation resulting in electricity savings for the facility. <p>Calibration and Daily Quality Control</p> <p>Daily Quality Assurance at the start of the scanning day is quick and efficient. A simple protocol launches the DQA procedure, which takes less than 10 minutes and provides you with a daily report.</p> <p>CT Features</p> <p>The Discovery IQ platform can be operated as a standalone CT scanner (without gantry tilt). It offers exceptional power, remarkable speed, high-resolution/low-dose imaging, and full diagnostic capabilities. The Discovery IQ includes the Optima CT540 that can perform a wide variety of clinical applications not requiring gantry tilt and has the following features.</p> <p>Technology</p> <ul style="list-style-type: none"> o 0.625mm FWHM at Helical: Helical reconstruction technologies, crossbeam correction, conjugate ray interpolation and hyper plane helical reconstruction with alpha smoothing method allow "Scan Thin 0.625mm, and Recon Thin 0.625mm". o Advanced metal artifact and contrast media artifact reduction



Qty	Catalog No.	Description
		<p>o Tube Unit Assembly with Maximum X-ray heat content: 7.4MJ (10 MHU). Design optimized for exams requiring a large number of scans and less tube cooling. Anode Heat Storage Capacity: 6.3MHU. Heat Dissipation: Anode (max) 840KHU/min</p> <p>o 53.2kW generator power equivalent to 66kW considering the short gantry geometry (94.9cm Tube to detector distance) X-ray efficiency.</p> <p>o Volara Digital DAS, Data Acquisition System, with an increased sampling rate of up to 20% and noise reduction up to 33%, enabling outstanding image quality in signal-starved areas (shoulder, hip, large patient, metal).</p> <p>o Beam Tracking provides real-time X-ray follow-up, enabling high spatial resolution with no post-patient collimation and no dose penalty. Dose Management</p> <p>o Volumetric Image Space Reconstruction (VISR) provides a 3D filter that reduces noise without compromising resolution, for clear visualization of brain, tumor, and pediatric cases. With the VISR 3D filter, the scanner delivers up to 20% image quality improvement at the same dose, or the same image quality with up to 36% dose reduction.* (*) In clinical practice, the use of VISR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. When ASiR (option) is installed, 3D Neuro filter (ViSR) will be disabled</p> <p>o 3D mA modulation acquisitions may reduce dose compared with fixed mA acquisitions. mA modulation is designed to optimize the dose for the user prescribed noise index. Its effect on dose depends on the patient body habitus, and dose depends on the patient body habitus, and</p> <p>o ECG Dose Modulation: prospective ECG dose modulation automatically adjusts the mA to reduce dose during systolic phases of the cardiac cycle. o Pediatric scan protocols based on the Broselow-Luten™ Pediatric System. This Color Coding system is incorporated into the protocol selection on the operator's console and is designed to facilitate pediatric emergency care and reduce medical errors</p> <ul style="list-style-type: none"> • Dose report: In conjunction with prospective display of CT DIvol, DLP and dose efficiency, dose report helps clinicians reach ALARA dose, and keep track of it. Report is available in both DICOM secondary capture and structured report format. • Dose Check: Provides the user tools to guide dose given 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 typical dose 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,



Qty	Catalog No.	Description
		<p>defining Alert Values for Adult and Pediatric with age threshold, audit logging and review, protocol change control</p> <p>PET/CT Operators Console</p> <ul style="list-style-type: none"> o Fully integrated PET and CT user interface o Direct Multi Planar Reformat delivers automated axial, sagittal, and coronal reconstruction with excellent image quality for PET and CT images of the patient data being acquired. Direct3D TM automatically builds 3D models during axial image reconstruction. o Volume Viewer: Environment for 3D processing of any CT, MR, 3D X-ray, and Pet/CT dataset. It provides exceptional tools for analysis, segmentation, measurements, annotation, filming, and exporting of clinically relevant images. Volume Viewer seamlessly combines anatomical image review with PET quantitative measurement capabilities such as SUV. o Freedom Workspace: Innovative hardware and software creates a convenient, ergonomic working environment. It offers sit/stand and horizontal/vertical monitor flexibility. It can also help reduce noise and heat with remote location of the console. o Two 19 -inch diagonal width high-resolution color monitors for image display, analysis, processing, and management of PET, CT, and PET/CT images. o Three button mouse with mouse pad o ImageWorks provides instant access to advanced image processing features such as CT Perfusion 4, Advanced Vessel Analysis, CardIQ Xpress Pro or Plus, AutoBone and DentaScan <p>PET/CT Service Features</p> <p>Each system is supported by GE's InSite remote diagnostics, iLinq, and TiP Virtual Assist. InSite broadband - all hardware and software required to remotely connect this PET/CT system to GE's InSite On-Line Center via secure VPN high-speed Internet connections. Enables access to services designed to reduce downtime, improve quality, enhance performance, increase productivity, and expand imaging capabilities.</p> <p>* Trademark of General Electric Company.</p>
1	P5051TE	Standard length cable set for Discovery PETCT 16sl products
1	P5051KK	<p>16 fps CT Recon Option</p> <p>Upgrades the standard reconstruction of the CT reconstruction from 6 fps to 16 fps, increasing the productivity of the scanner where required by the user.</p>
1	P5051TR	<p>2 meter scan option</p> <p>The system can perform a full 2 meter acquisition of both CT and PET data, through the use of</p>



Qty	Catalog No.	Description
		a cradle extender and specific acquisition protocols.
1	P5051LK	PET Gating acquisition option for Discovery IQ enables PET respiratory gating scan functionality.
1	P5051SK	Advanced system modeling in PET reconstruction that enhances visual contrast and resolution in both whole-body and brain images by incorporating information about the PET detector's point-spread-function response into the 3D iterative reconstruction.
1	P5051NN	<p>Q.Core +2</p> <p>Powerful, expandable GE PET reconstruction technology makes the latest PET/CT workflows clinically relevant by handling massive PET/CT data sets with ease. Its dual Quad-Core processors routinely reconstruct PET images for clinically relevant data reconstruction and display of images while your patient is still on the table. Reconstruct fully 3D IR and motion-corrected gated studies at incredible speeds.</p> <p>Q.Core +2 option adds a 2nd graphics processing unit that extends the clinical utility of the Q.Core even further with reconstruction speeds under 75 seconds for VUE Point FX, time-of-flight studies.</p>
1	S5051AB	<p>A suite of innovative motion management tools from GE Healthcare designed to help clinicians generate more consistent PET measurements, and therefore assess treatment response more accurately than ever before.</p> <p>Q.AC - Accurate attenuation correction is required for quantitative PET imaging. But in large anatomy imaging at low doses, the CT beam may not be strong enough to fully penetrate through the patient to the detector, potentially resulting in variations in attenuation measurements. Our next generation Q.AC algorithm is designed to reduce potential variance, helping to ensure that the attenuation coefficients used in image reconstruction are accurate. This may improve consistency even in the most clinically demanding circumstances.</p> <p>Q.Clear - full convergence iterative reconstruction technology designed to provide up to 2 times improvement in PET quantitation accuracy (SUVmean) with up to 2 times improvement in image quality (SNR) enabling accurate small lesion detection, fast and efficient reading and more confident diagnosis.</p> <p>Q.Static: represents a starting point for adding motion correction techniques to your facility and the opportunity to build towards a full 4D phase-matched workflow. Without disrupting your standard static whole-body workflow, we're designing Q.Static to automatically isolate data when organs are in a low motion state, thereby correcting for motion across the entire chest or torso. The result is a single image series with reduced blurring from organ motion, and therefore more consistent quantitation compared to a static image.</p> <p>Motion Match - Acquires and views fused gated PET and CT images on the console for: PET and</p>



Qty	Catalog No.	Description
		<p>CT respiratory and cardiac capability for motion analysis; PET and CT dynamic imaging for compartmental PET data model analysis and retrospective CT gating; and PET attenuation correction from CT diagnostic data, including dynamic and gated CT techniques for motion management.</p> <p>Q.Freeze combines the quantitative benefits of 4D phase-matched PET/CT imaging into a single static image that uses 100 of the counts collected in the acquisition. Combine with Q.AC to create 4D cine data for attenuation correction of PET images at low dose levels.</p>
1	B77292CA	Service cabinet for system accessories storage
1	B7500PT	<p>The PET Clinical Best-practices Workshops are advanced training modules designed for Radiologists, Nuclear Medicine Physicians and Oncologists. The modeules provide a unique opportunity to learn from experts in doctor-to doctor settings. The program includes a central and local workshop:</p> <p>Central workshop: one full-day workshop in a central location targeted for the second half of 2015. The program will feature clinical experts/key opinion leaders (KOLs) demonstrating how they read and report with more accurate and consistent quantitation provided by Discovery IQ. Up to three reading physicians from each purchasing site will be invited with travel and lodging included in the cost of the workshop.</p> <p>Local workshop: GE will organize a local will include 2 hours of lectures followed by a workshop for radiologists, nuclear medicine physicians and oncologists hosted by one clinical expert/KOL. This education session will educate physicians about how to read and interpret Discovery IQ clinical images, and to harvest high performance and more accurate quantitation delivered by Discovery IQ. The local workshop will take place at a mutually agreed upon date. GE will sponsor a meeting room in a local venue.</p> <p>Note: No CME credits will be provided. Restrictions may apply to physicians licensed in Massachusetts or Vermont.</p>
1	E8507PE	<p>The Medrad Intego PET Infusion System is redefining PET by addressing the complexities of today and the challenges of tomorrow with operating a PET department. From reducing unnecessary radiation exposure to technologists, to providing personalized patient care, to driving improved practice economics, Medrad Intego can be the solution for your initiatives. Utilizing a fully shielded, mobile design, the system infuses accurate, repeatable, patient-specific doses from a multi-dose vial, all managed through a simple touchscreen. Re-think PET and unlock the potential of your practice with Medrad Intego.</p> <p>Improve Radiopharmaceutical Utilization</p> <ul style="list-style-type: none"> • Practical and precise weight-based dosing enables clinicians to prescribe a minimum acceptable dose for each unique patient



Qty	Catalog No.	Description
		<ul style="list-style-type: none"> Utilization of a multi-dose vial streamlines workflow, and creates opportunity for schedule compression and fewer radiopharmaceutical deliveries <p>Drive Operational Efficiency</p> <ul style="list-style-type: none"> Automated dose preparation, administration and documentation eliminates non-value added steps HIS/RIS/PACS connectivity, mobility, and full battery operation streamlines processes and workflow <p>Enhance Practice Competitiveness</p> <ul style="list-style-type: none"> Precise, personalized dosing differentiates Medrad Intego sites to the surrounding referral base Dose-on-demand functionality provides the flexibility to respond to late arriving patients or those with unmet prep conditions <p>Reduce Technologist Radiation Exposure</p> <ul style="list-style-type: none"> Tungsten and lead shielding provide proven reductions in radiation exposure to technologists Automated dose preparation and infusion enables increased distance and hands off operation <p>Personalize Patient Care</p> <ul style="list-style-type: none"> Automated weight-based dosing from a simple touchscreen enables clinicians to administer an accurate, personalized dose for each patient Variable flow rate (0.5 ml/sec or 1 ml/sec) and saline test infusion support treatment for fragile veins

NOTES:

Medrad to coordinate direct with the customer. Customer to supply one dose of FDG for linearity decay test. Customer must also pre-order SAS and PAS; Required on-site for install Anticipate 2 days install over more than 1 visit due to the nature of the install (calibration and linearity decay tests).

Included with the purchase of this product 2-3 days of applicatins training are included.

WARRANTY:

12 months from installation by the Medrad representative and/or 18 months from shipment. Warranty includes parts, safety and quality related software update(s), labor and travel within the countries.



GE Healthcare

Date: 11-25-2015
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Qty	Catalog No.	Description
		<p>Optional remote diagnostic capability is available in the US only and will be managed by Medrad.</p> <p>US customers should follow the VirtualCare pre-install checklist to enable remote diagnostics.</p> <p>The service strategy for the PET Intego product will be handled solely by Medrad and its distributors.</p> <p>Yearly Preventative Maintenance due to dose calibration data; 2 weeks per GE notice. Preventative Maintenance will take approximately 2 hours.</p>
1	E8819KA	Varian RPM with install
1	E8819HB	RPM Mount for GT For PET/CT Only
1	E6315JE	<p>DIACOR RTP Flat Tabletop for CT and PET/CT Systems- RT16, DVCT, Discovery PET/CT 600, 610, 690, 710, HD750, and VCT</p> <p>Diacor Radiation Therapy Planning Overlay For GE Healthcare Global Tables, Model 1700, 2000 and PET/CT</p> <p>The Radiation Therapy Planning Overlay, or "CT Overlay", provides a secure flat surface for CT Simulation applications, consistent with the treatment couch, for accurate and reproducible patient positioning.</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> o Carbon fiber construction with foam core provides durable, light-weight device with outstanding imaging properties o Varian Exact Technology and Indexing Immobilization Patient Positioning system along entire length of the overlay o Designed specifically for GE Healthcare's Global Table o Easily locks and unlocks from the CT Table, providing easy transition between therapy and diagnostic procedures <p>INCLUDED:</p> <ul style="list-style-type: none"> o Carbon Fiber CT Overlay with locking accessories o Two Varian Exact Couch Indexing Bars o One Varian Respiratory Gating Interface Plate and associated mounting hardware <p>SPECIFICATIONS:</p> <p>Weight: 30 lbs. (13.61 kg) Length: 85.25 in. (217.17 cm) Width: 20.87 in. (53.0 cm) Height: 1.62 in. (4.12 cm)</p>
1	E4502F	The 14KVA Partial UPS has been specifically designed to coordinate with GE Healthcare CT & PET/CT scanners. In the event of a power outage a partial system UPS provides continuous backup power to the scanner host and control computers, thus assuring no loss of usable scan data.



Qty	Catalog No.	Description
		<ul style="list-style-type: none"> • Critical circuits in the gantry and table remain powered which facilitate the safe removal of the patient from the scanner. • If power is restored within the battery hold-up time, the operator can continue scanner operations without the need to reboot the system. • When longer power outages are anticipated, the UPS provides time for the operator to safely remove the patient and complete an orderly shutdown of the system software • Maintains system electronics and allows critical scanner operations to continue for 10 minutes (typical) after loss of power • Protects electronics from under voltage, brownouts, line sags, over voltage and transients <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> • Dimensions (H x W x D): 49" x 12" x 32" • Weight: 620 lbs. • Output Frequency: 50 or 60 Hz, auto-sensing <p>NOTE: ITEM IS NON-RETURNABLE AND NON-REFUNDABLE</p>
1	E4502AB	<p>The 90Amp CT system main disconnect panel (MDP) serves as the main facility power disconnect source installed ahead of the system PDU. The MDP will disconnect system power on first loss of incoming power, helping to prevent damage to system components. It also includes an automatic restart control circuit which restores power to the CT System PDU after a power outage.</p> <ul style="list-style-type: none"> • Can reduce installation time and cost by eliminating delays in obtaining individually enclosed components and on site assembly (ex: main circuit breaker, feeder overcurrent devices, magnetic contactors and UPS emergency power off are combined into a single panel) • Configuration flexibility - can be used as a stand-alone main disconnect or with the optional partial system UPS. (On systems where the optional partial system UPS is used the main disconnect panel also provides NEC mandated emergency power off control to both the PDU and UPS • Designed and tested for GEHC CT products <p>Specifications:</p> <ul style="list-style-type: none"> • Automatic restart incorporates an adjustable time delay to delay main power until the power has stabilized for 5 seconds • One flush wall mounted remote emergency off pushbutton furnished with each system • UL, cUL and CE labeled
1	E8007NG	Medrad Stellant D Dual-Flow Ceiling Mount Injection System with Short Post. Requires E8007PJ



Qty	Catalog No.	Description
		Mounting Plate be added to the order...E
1	E8007PJ	OCS III MOUNTING PLATE
1	E8008P	VQC Phantom PET/CT VQC Volumetric Quality Control Phantom for Discovery, IQ 3-ring (15 cm), IQ 4-ring (20 cm) , IQ 5-ring (25 cm), Discovery 710, 610, 690, 600, Optima 560
1	E8008PS	PET ANNULUS PHANTOM SHIEL
1	E8008PN	The PET Annulus DQA (Daily Qualified Assurance) imaging phantom for the Discovery IQ PET system or SIGNA PET/MR system is a uniform solid suspension of Ge-68 encased and sealed in an annular, black plastic shell. <ul style="list-style-type: none"> • Recommended for accurate calibration of your PET detector and easier quality control • Designed to be held in place during use by standard source holders provided with scanning equipment • No mechanical maintenance is required
2	W0100CT	6 Day CT TiP Onsite System Training CT Onsite Training for a new CT system <ul style="list-style-type: none"> • 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. <p>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.</p> <p>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.</p> <p>This training program must be scheduled and completed within 12 months after the date of product delivery.</p>

Discovery VCT IB Options



GE Healthcare

Date: 11-25-2015
Quote #: PR12-C52352
Version #: 9

Qty	Catalog No.	Description
1		Discovery VCT IB Options
3	E8507PJ	Silver Vial Shield

Quote Summary:

Trade in of existing DST 4 PET CT	(\$55,000.00)
Total Quote Net Selling Price	\$1,674,293.00

(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

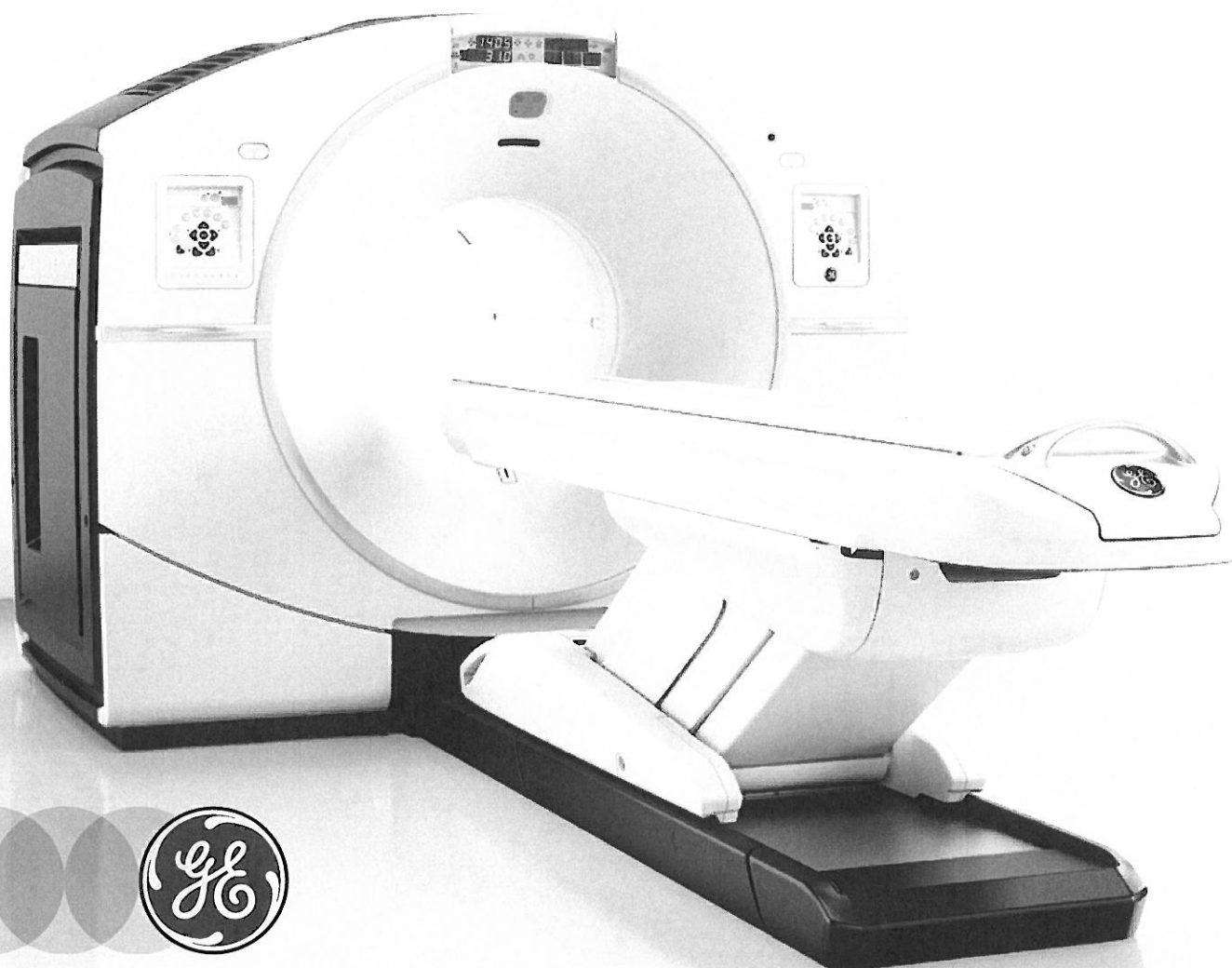
Equipment Comparison

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	GE Discovery ST PET/CT Scanner	GE Discovery IQ
Manufacturer of Equipment	General Electric	General Electric
Tesla Rating for MRIs	n/a	n/a
Model Number	Discovery ST	Discovery IQ
Serial Number	04372 PT9	TBD
Provider's Method of Identifying Equipment	PITPETI	TBD
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	2003	2017
Does Provider Hold Title to Equipment or have a Capital Lease?	Hold title	Hold title
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (including construction, etc.)	\$2,890,816	\$1,979,298
Total Cost of Equipment	\$2,330,662	\$1,729,293
Fair Market Value of Equipment	\$55,000	\$1,729,293
Net Purchase Price of Equipment	\$2,330,662	\$1,674,293
Locations Where Operated	VMC room 1 RA031	VMC Cancer Center
Number Days in Use to be Used in N.C. Per Year	365	365
Percent of Change in Patient Charges (by Procedure)	0%	0%
Percent of Change in Per Procedure Operation Expenses (by Procedure)	0%	0%
Type of Procedures Currently Performed on Existing Equipment	PET/CT Scans	n/a
Type of Procedures New Equipment's Capable of Performing	n/a	PET/CT Scans

GE Healthcare

DISCOVERY™ IQ

IMAGE QUALITY.
INTELLIGENT QUANTITATION.



ENABLING BEST
POSSIBLE PATIENT
OUTCOMES FOR
MORE PEOPLE IN
MORE PLACES



You knew that PET/CT was capable of more. It's why you said you need to see smaller lesions with lower dose, to scan faster, to read more efficiently and to grow your patient services. You imagined a system that allowed you to select a dose, tracer and scan time customizable to the needs of each patient. You imagined seeing the effects of treatment before any physical results manifest. You imagined a system that realized your need for a personalized approach to patient care, and that is exactly what we designed Discovery IQ to do.

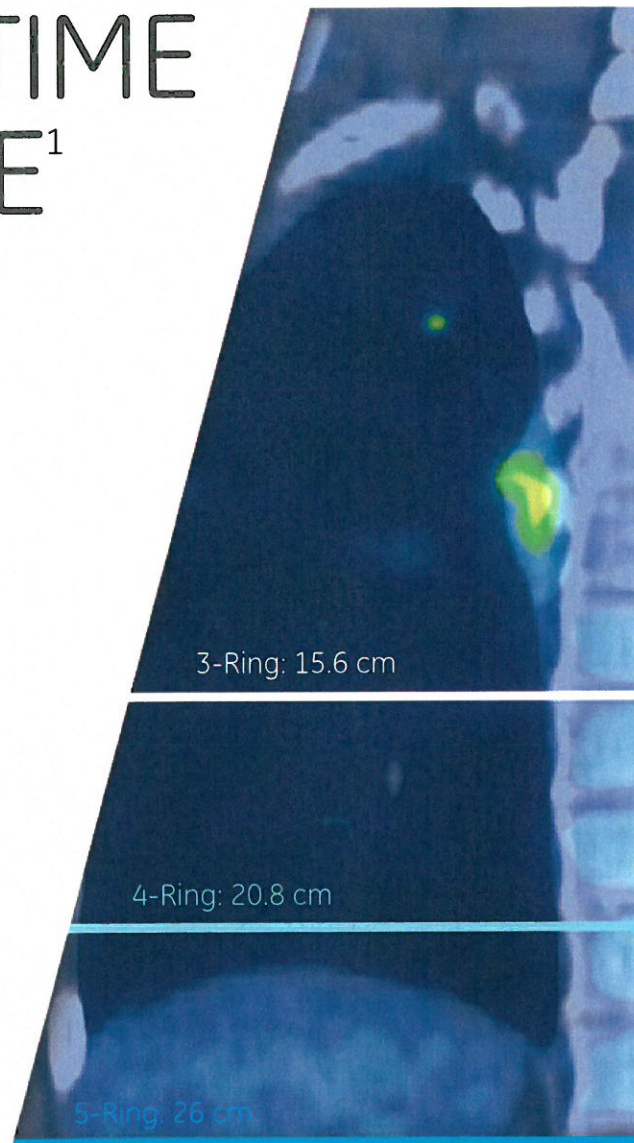
CARE FROM DISEASE DETECTION THROUGH TREATMENT ASSESSMENT



SCAN IN 1/2 THE TIME AND 1/2 THE DOSE¹

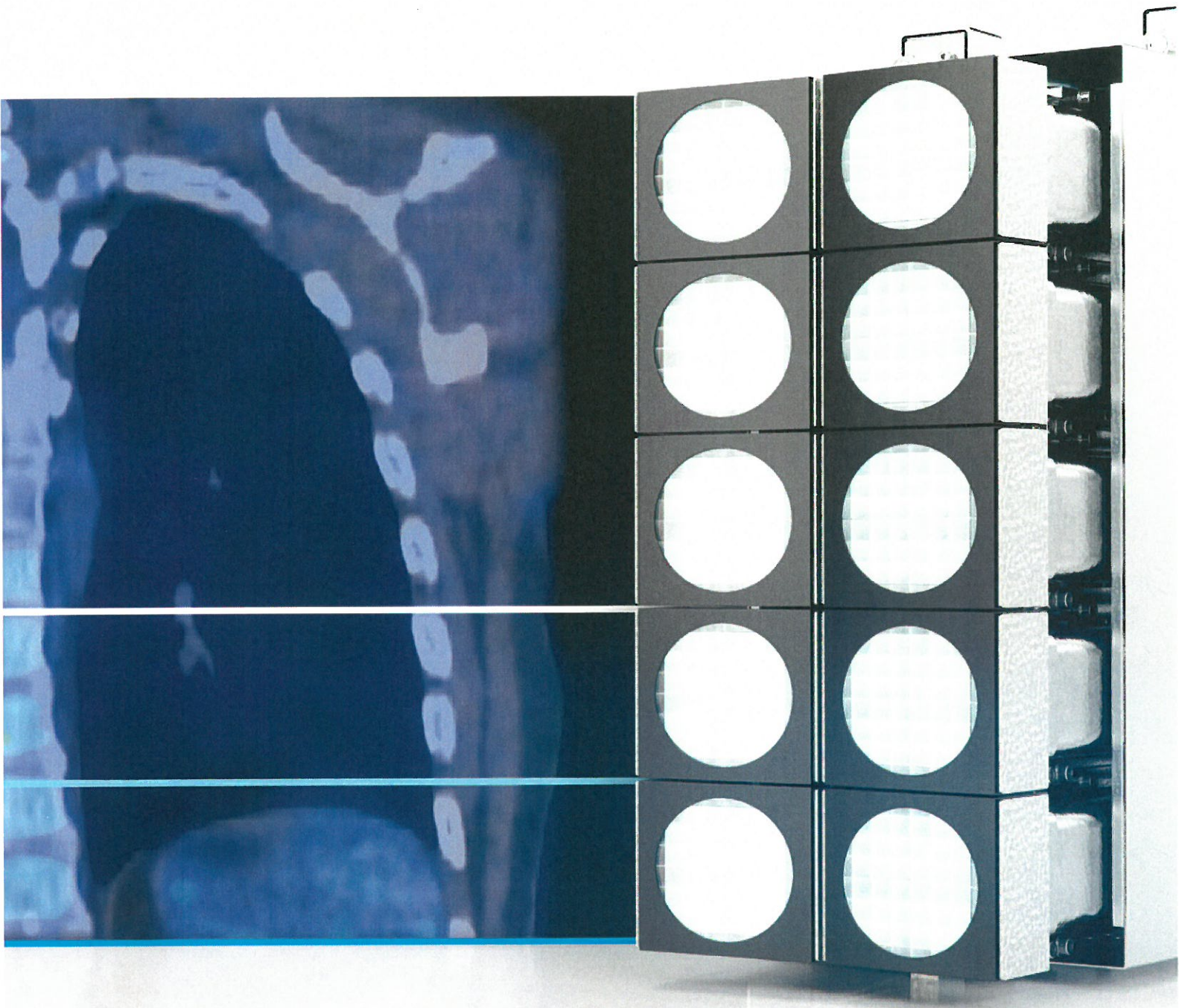
The LightBurst PET detector does more than increase the clarity of the image; it increases the speed that you acquire it, helps to reduce the dose you expose your patient to and aids in strengthening your confidence to see smaller lesions. It's technology that was designed with a goal towards personalizing care. We focused on the variables that directly affect clinical outcomes to develop technologies that really make a difference, an innovative PET detector that cuts scan times and dose amounts in half.

A BRIGHTER WAY TO IMAGE



“ The ability to decrease dose almost in half for our cancer patients, who often receive multiple studies, is a great thing. Also, our previous scan time was reduced by 50 percent allowing for improved patient comfort and scanner throughput. ”

—Dr. Jasmina Oberhaus, Advocate Condell Medical Center



Quantitative accuracy

Dual Acquisition Channels deliver quantitative accuracy for both low-count and high-count rate radioisotopes at up to 20 percent count recovery at peak with an accuracy of up to +/- 3.5 percent at 22 cps/kBq.

Highest NECR

The highest clinical Noise-Equivalent-Count-Rate for clinical ¹⁸F in the industry² and high NECR for both low-count and high-count rate radioisotopes such as ⁶⁸Ga, ¹¹C, ⁸²Rb and more.

Largest Field-of-View²

Up to 26 cm of coverage for fast acquisition times, even for full organ coverage, in the fewest possible bed positions with one-third the scan time¹ and MotionFree thorax imaging as fast as four minutes.

Highest NEMA sensitivity

The highest NEMA sensitivity in the industry², with up to 22 cps/kBq, for fast acquisition times, low dose scans and outstanding small lesion detectability.

RAISING THE VALUE OF PET STARTS WITH THE LETTER 'Q'

Quantitation helped establish PET/CT as a valuable clinical tool. It provided an important starting point to find and follow disease throughout the course of treatment, but it was limited by the technologies used to produce it. For the first time, consistent, accurate SUV measurements are possible with Q.SUV. The 'Q' is important. It signifies the SUV measurement was produced exclusively with our innovative PET reconstruction technology, Q.Clear, which delivers not only 2x improvement in image quality (SNR) but also up to 2x improvement in quantitative SUV (SUV_{mean}). Q.SUV is more than a starting point for clinical decisions. Because it is more accurate and consistent than conventional methods, it becomes more than a number, it becomes a tool for communication.

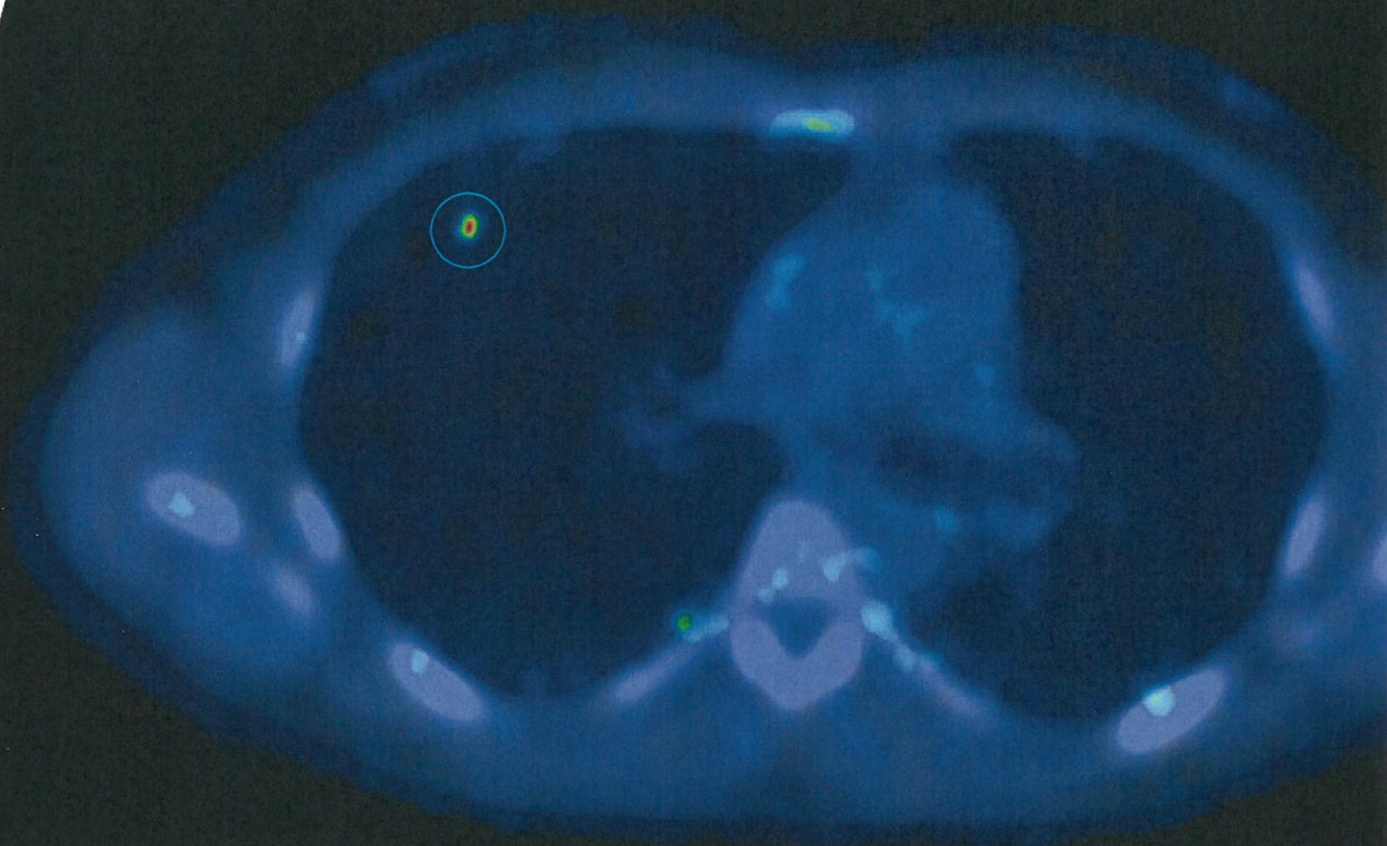
QUANTITATIVE SUV YOU AND YOUR PATIENTS CAN TRUST



“ A patient’s scan post chemotherapy showed a small pulmonary nodule with an SUV of 2.29. Using Q.Clear, Q.SUV measured 6.0. Given the patient’s history of colorectal cancer, this lung nodule was likely metastatic disease. This nodule was histologically proven to be metastatic disease following surgical resection. Q.Clear gives us greater diagnostic confidence in the assessment of small FDG avid pulmonary nodules. ”

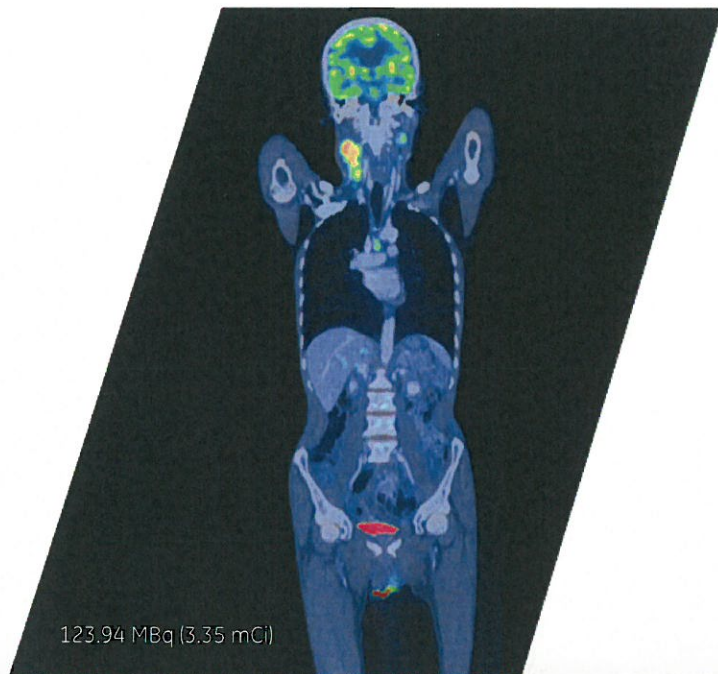
– Prof. Fergus Gleeson, Churchill Hospital

Q.SUVmax: 6.0 g/ml



GET THE WHOLE PICTURE WITH 4X LOWER DOSE¹

Nothing is more personal to the patient PET/CT experience than dose. At GE Healthcare we are more than just committed to lowering radiation dose during scans, it's a passion of ours. Discovery IQ was engineered to ensure the highest quality PET/CT care available at the lowest dose possible. The same technologies that improve image quality and quantitation also lower dose requirements, like the high NEMA sensitivity of the LightBurst PET Detector and Q.AC, an advanced image reconstruction technique that reduces dose up to 20x for CTAC. In addition, there is a low kV choice that allows small patients to be scanned at 80 kV and easy-to-use management tools that help clinicians track patient dose histories and balance image quality with dose.



“ We have seen first-hand that increasing sensitivity allows us to significantly reduce the injected dose to the patient. From my point of view this is very important for young patients. Thanks to the breakthroughs in medical oncology treatment, survival rates have increased and PET is used for the follow up of these patients. The more you can reduce the dose the better it is for the patient. ”

—Professor Frédéric Courbon, M.D., Ph.D. Nuclear Oncology
Head of Imaging Department, Institut Universitaire du Cancer
de Toulouse

A PERSONALIZED APPROACH TO DOSE REDUCTION



DO MORE WITH WHAT YOU HAVE

Developing clinically impactful technologies is only one aspect of our commitment to helping you grow and protect your clinical offering of PET/CT. We put as much energy into the efficiency, productivity and profitability of Discovery IQ's design as we did into its revolutionary technologies, allowing you to get the most out of your asset. It's an approach to PET/CT that gives customers' new stories to tell about their PET/CT experience. Stories about how much lower their patient dose is, how many more patients they are able to see per day and how they are able to offer PET for new clinical applications. Stories that are best told in their own words.



“Q.Clear is an exceptional way to make PET/CT images. The results almost speak for themselves it's dramatic, we know from studies that it's correct. If the quantitation is better it's better for everyone. It's win-win.”

–Dr. Bradley, Oxford University

“With Discovery IQ we have been able to significantly reduce acquisition times, which is more comfortable for our patients, more efficient for our staff while maintaining image quality.”

–Salvador Borges-Neto, M.D., Division Chief,
Nuclear Medicine, Duke University

“The Discovery IQ allows our partners to deliver lower dose to the patient, and we believe that will become more of a primary factor in the US market. It also enables shorter scan time, and that's becoming more critically important for patient care.”

–David Delia, Senior VP of Operations,
Alliance Radiology

“We have been able to add an additional patient per hour with no rush or compromise, and the additional throughput has helped increase revenue to the department. Discovery IQ provides us with the flexibility to scan extra patients from the clinical research department or private hospitals.”

–Professor Frédéric Courbon, M.D., Ph.D. Nuclear Oncology
Head of Imaging Department, Institut Universitaire du
Cancer de Toulouse

“We are seeing lesions more clearly and accurately, and our readings are more precise so that helps our oncologists with their treatment planning.”

–Dr. Jasmina Oberhaus, Advocate Condell Medical Center

“The image quality is excellent, but the biggest advantage is the increased sensitivity of the scanner, which allows us to detect lower levels of hypermetabolic activity. This enables us to detect smaller, less active lesions, which may not have been as conspicuous on a different scanner.”

–Dr. Charles Spirtos, Akron Hospital

“The Discovery IQ meets all our clinical requirements today, and the upgrade path will keep Advocate Condell at the forefront of innovation for the foreseeable future.”

–Greg Pilat, Systems Director of Radiology,
Advocate Health Care

A WHOLE NEW LOOK TO CLARITY

Imaging with PET/CT starts to look different when you combine faster scan times, lower dose techniques, the ability to scan patients of all sizes and still have the clarity necessary to detect extremely small lesions. It starts to look a lot more powerful. See for yourself the potential this kind of power can unlock.

2 m head-to-toe in 14 minutes
NaF bone scan

Discovery IQ 5-Ring
NaF
118 MBq (3.19 mCi)
BMI: 22.0
2 min/bed, 5 bed positions
1 min/bed, 4 bed positions

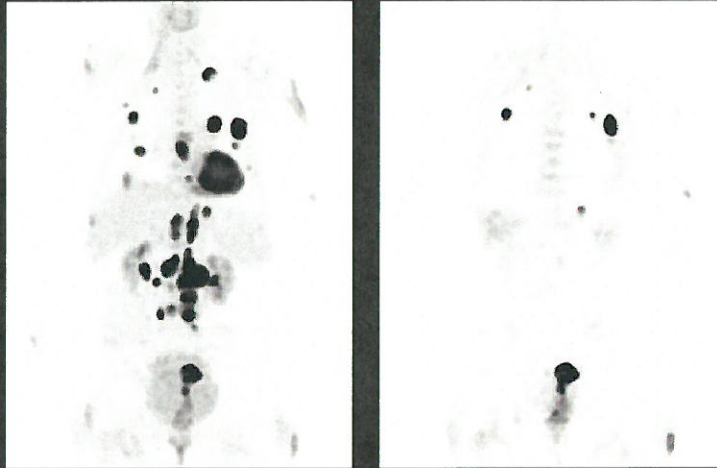


3x faster scan - five minute whole body

Cervical carcinoid and Huntington's disease scan

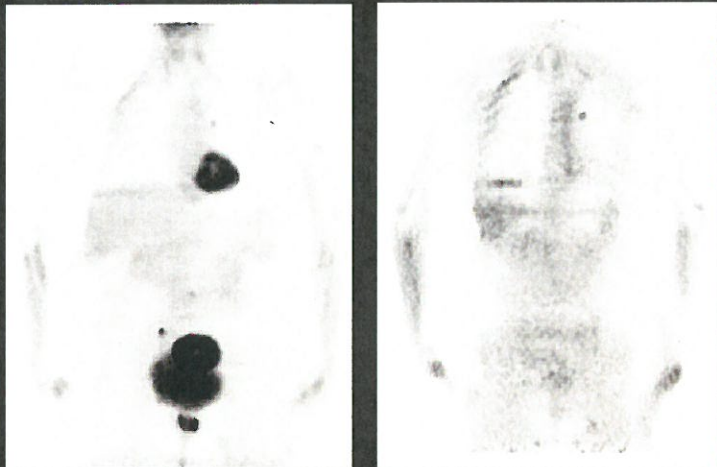
Discovery IQ 5-Ring
Follow-up scan, August
¹⁸F-FDG
313 MBq (8.94 mCi)
BMI: 30.0
1 min/bed, 5 bed positions

Patient with Huntington's
disease able to hold still
during 5 minute scan.



Conventional PET/CT
Baseline scan, March
¹⁸F-FDG
279 MBq (7.5 mCi)
BMI: ~30.0
2 min/bed, 7 bed positions

Due to Huntington's
disease, patient unable to
hold still for entirety of a
14 minute scan.



Full thorax - one bed position

Stress cardiac scan

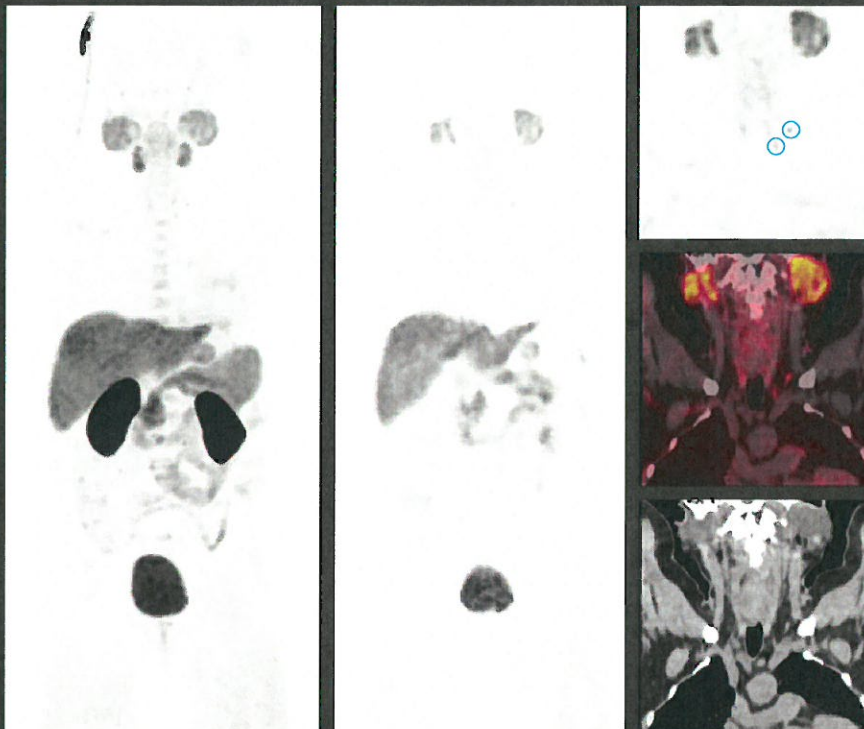
Discovery IQ 5-Ring
¹³N-NH₃ (Ammonia)
347 MBq (9.38 mCi)
BMI: 20.1
Scan: 15 mins



Q.Clear improves lesion definition

¹⁸F Choline head-to-toe scan

Discovery IQ 5-ring
¹⁸F Choline
285.3 MBq (7.71 mCi)
BMI: 22.0



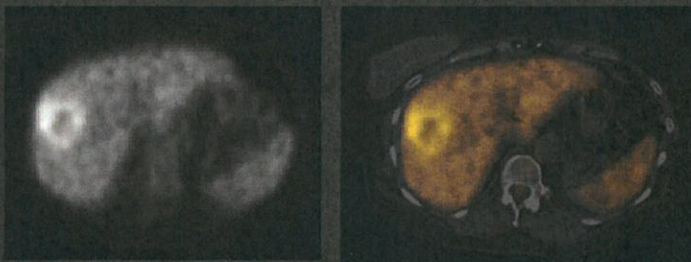
Q. Static with Q. Clear helps delineate lesion

Liver scan Q.SUV values and volumes more representative

Discovery IQ 5-ring
¹⁸F-FDG
255 MBq (6.9 mCi)
BMI: 30.9

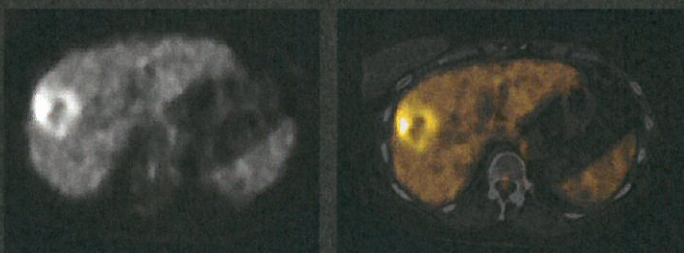
Non-Q.Clear and Non-Q.Static

Volume: 87.41 cm³
Max: 8.73 g/ml
Mean: 4.81 gm/ml



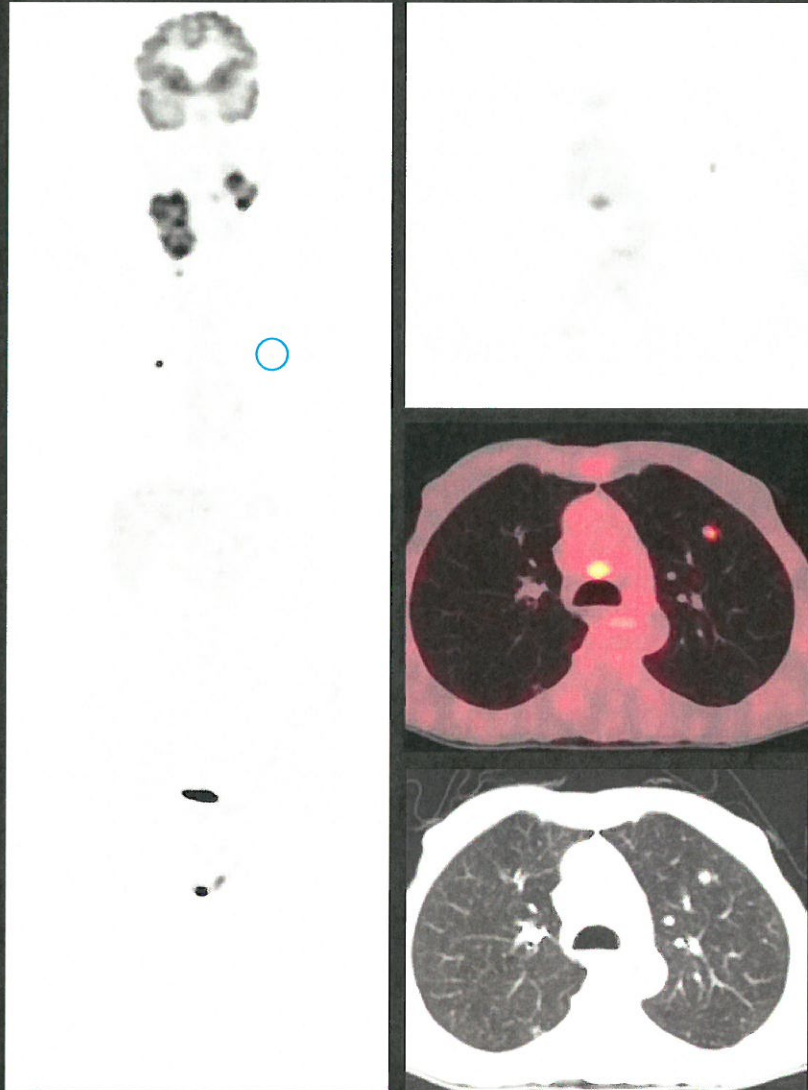
Q.Clear and Q.Static

Volume: 35.56 cm³
Max: 11.29 g/ml
Mean: 6.15 gm/ml



Small lesion detectability at lower dose
Head/neck oncology scan reveals lesion in lung

Discovery IQ 3-Ring
¹⁸F-FDG
123.94 MBq (3.35 mCi)
BMI: 13.7



Ultra low-dose scanning
Whole-body FDG scan

Discovery IQ 5-Ring
¹⁸F-FDG
97.8 MBq (2.6 mCi)
BMI: 18.0
2 min/bed, 5 bed positions





¹Comparing Discovery IQ 5-Ring to a Discovery IQ 3-Ring.

²Comparing Discovery IQ 5-Ring to other PET/CT scanners reported in ITN online comparison charts (April 2014).

Imagination at work

Product may not be available in all countries and regions.
Contact a GE Healthcare Representative for more information.

GE Healthcare
3000 N. Grandview Blvd.
Waukesha, WI 53188
USA

Data subject to change.

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Readers must consult a healthcare professional.



Pitt County Memorial Hospital
 2100 Stantonsburg Road
 Greenville, NC 27834

Page 1

Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

GENERAL ELECTRIC COMPANY is pleased to submit this quotation for the products described herein, subject to the enclosed Standard Conditions of Quotation (7557 Rev. 1/99) and the following:

- o Special Terms: Forms F4910X R6/96
- o Warranty: See attached Warranty Form 8526
- o Terms of Delivery: F.O.B. Destination (Rigging Charges Paid by Customer)
- o Quotation Expiration Date: October 18, 1999
- o Terms of Payment: 10% Down Payment, an Additional 25% 120 Days Prior to Shipment, an Additional 50% Due upon Delivery, 15% Balance on Installation and Availability for First Use.
- o Contract Price Protection: 12 months from date of contract execution, subject to increase by .5% per month after such 12 month period

GENERAL ELECTRIC COMPANY:

BUYER:
 Pitt County Memorial Hospital

o Submitted By:

o Agreed To By:

 Robert J. Mulvaney Date
 Sales Representative
 14301 Southlakes Drive
 Suite E
 Charlotte, NC 28273
 Phone: (704) 588-1244

 Authorized Customer Date
 Representative

o Accepted By:

 Title

 Date

o Credit Approval By:

 Date



QUOTATION

Pitt County Memorial Hospital
 2100 Stantonsburg Road
 Greenville, NC 27834

Page 2

Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

QTY	CATALOG	DESCRIPTION	PRICE
-----	---------	-------------	-------

ADVANCE PET SCANNER

Base System

1 S9110JD

The GE Standard Advance PET Imaging System is a State-of-the-Art Whole Body PET Camera System for the Quantification of Biochemical and Metabolic Processes. The Camera System Features Exceptional 3D Spatial Resolution, Outstanding Image Quality, High Count Rate Capabilities, Easy Operator Interaction, Enhanced Patient Throughput and Traditional GE Reliability. The Advance System Consists of:

Detector/Gantry Subsystem:

- o Optimal Detector Ring Alignment is Provided Via Gantry Tilt: -Tilt Range +/-20%
- o 59cm Patient Port Allows for Large Patients
- o 18 Detector Rings Imaging a 15cm Axial Field of View
- o Imaging of 35 Simultaneous Slices in Stationary Mode
- o 92.7cm Detector Ring Diameter Provides Excellent Image Quality
- o High Count Rate Capability for Use in 0-15 Water or Rb-82 Studies
- o 12096 Individual Bismuth Germanate (BGO) Crystal Detectors: 4.0mm Transaxial x 8mm Axial x 30mm Radial
- o 672 Dual Photomultiplier Tubes for Increased Positional Sampling



QUOTATION

Pitt County Memorial Hospital
2100 Stantonsburg Road
Greenville, NC 27834

Page 3

Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

<u>QTY</u>	<u>CATALOG</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
		<ul style="list-style-type: none">o 1mm Tungsten Interplane Septa Provide for Improved Shielding of Radiation Originating Outside Individual Detector Planeso Retractable Collimator for Full 3D Acquisitiono 56 Individual Detector Cassettes Allow Easy/Fast Servicingo Rotating Pin Source Mechanism Ensures the Most Accurate Transmission and Detector Normalizationo Simultaneous Acquisition and Image Reconstruction Allows for High Patient Throughputo Fast Patient Positioning is Accomplished with Convenient Operator Controls on Both Sides of Gantry. Gantry and Table Position is Indicated on Display on Each Controlo Accurate/Reproducible Patient Positioning is Accomplished with a Triple Laser Positioning System	
		Patient Imaging Table Consisting of: <ul style="list-style-type: none">o Carbon-Fiber Design for Minimal Attenuationo Horizontal Motion of the Imaging Table Controlled Either by Computer Control at the Operator Workstation Manually from the Gantryo Patients up to 400 lbs. (117kd) can be Accommodatedo Table Height is Adjustable from 52.8cm to	



QUOTATION

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2100 Stantonsburg Road
Greenville, NC 27834

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Date: August 18, 1999

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Quotation Number: C7ZC12A

<u>QTY</u>	<u>CATALOG</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
		104.0cm	
		o One Fixed Offset Head Holder Provided	
		o Two Arm Rests are Provided for Patient Comfort. These Rests Can be Placed in Any Position Along the Length of the Table.	
		o Total Longitudinal Travel is 170cm +/-0.5mm Either Computer/or Manually Controlled	
		Calibration Phantom:	
		o A 20cm Combination Phantom is Provided for Cross Calibrating the PET Camera with a Well Counter	
		o Inserts are Included for Measurements of: - Scattered Radiation - Scatter Correction - Attenuation Correction	
		Data Acquisition Processor:	
		- Static	
		- Dynamic	
		- Gated	
		- Whole Body	
		o 68030 Microprocessor/VME Bus Acquisition Controller	
		o Dedicated Sorter Processor with 128 Mb of Memory (Expandable to 0.5 Gb)	
		o Mercury i860 Floating Point Array Processor 40 MIPS/80MFLOPS with 16 Mb of Memory	
		o Interface for ECG Trigger Unit	
		Operator Image Acquisition/Display/Analysis Workstation:	



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Date: August 18, 1999

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Quotation Number: C7ZC12A

QTY	CATALOG	DESCRIPTION	PRICE
		<ul style="list-style-type: none"> o HP C Series, Model C110 Workstation o 128 Mbyte RAM o 4 GByte Disk Storage (Two 2 GByte Drives) o 19 Inch High Resolution (1280x1024) Color Display o 10 Serial Ports o IEEE 802.3 Ethernet Utilizing TCP/IP Protocol o Keyboard and Mouse o IEEE "POSIX" 1003.1 Standard UNIX Operating System o X11/Motif Graphical User Interface o 2.0 Gbyte 4mm DAT Tape o Dedicated Scanner Control Pad o V.34 Modem 	
		<p>System Software Consisting of:</p> <ul style="list-style-type: none"> o Acquisition Software for: <ul style="list-style-type: none"> - Static - Dynamic - Gated Including Forward, and Backward Framing as well as Bad Beat Rejection - Rectilinear Mode for Patient Positioning - Transmission Scanning for Detector Normalization and Calculation of Tissue Attenuation 	



QUOTATION

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Greenville, NC 27834

Page 6

Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

<u>QTY</u>	<u>CATALOG</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
		<ul style="list-style-type: none">o Tomographic Image Reconstruction Software Consisting of:<ul style="list-style-type: none">- Self-Attenuation Correction Via Measured or Calculated Methods- Multiple Reconstruction Filter Types- On-the-Fly Corrections for:<ul style="list-style-type: none">Detector NormalizationRandom CoincidencesDead TimeScatter Correction- 64 x 64, 128 x 128 or 256 x 256 Matriceso Image Analysis and Display Software:<ul style="list-style-type: none">- Motif Graphical User Interface for Easy Operator Interaction- Simultaneity of Acquisition, Reconstruction, Display and Archival- Multiple Stored or User Defined Color Palettes- Transaxial, Sagittal, Coronal and Oblique Angle Reorientation- Clinical Software for Use in Cardiology, Neurology, Oncology and General Image Processing- ROI/Time Activity Curve Generation- ROI Statistical Analysis- Magnify, Minify- Vertical and Horizontal Activity Profiles- Screen Labeling- Standard Image-to Image Arithmetic- Single and Multi-Position Cine Displays- Interactive 3-D Multi-Plane Image Review- Protocols and Support for User Programmability	



QUOTATION

Pitt County Memorial Hospital
 2100 Stantonsburg Road
 Greenville, NC 27834

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Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

QTY	CATALOG	DESCRIPTION	PRICE
		Operators Workstation	
1	P5090JA	2D/3D Volume Acquisition/Reconstruction Enhanced Option for the Advance PET System. This Ten i860 Parallel Reconstruction Processor for Rapid, Industry Leading 2D and 3D Sinogram Processing Includes 350MB Memory and Enhanced Performance Software. Increased Speed in 2D Reconstruction.	
1	P5090JB	2D/3D Volume Acquisition/Reconstruction Ultra Option for the Advance PET System. An Add-On Option to Upgrade an Existing 10 Node 3D AP System to a Total of 20 Nodes and 700MB Memory. The Ultra Option Provides Ultimate 2D and 3D Reconstruction Performance. NOTE: Prerequisite Purchase of P5090JA.	
1	P5040JA	ADVANCE Additional Raw Data Memory. 128MByte of Additional Dynamic Ram Memory. Raw Data Memory Expansion may Continue up to 512MBytes Which will Allow for 40 More Frames/Sec for Each Additional 128MByte Increment.	
1	P5080SD	The Image Registration and Fusion Application Package Allows the Simultaneous Viewing of Two Different Image Sets, the Co-Registration of One Set to Another, and Viewing with Two Color Scales the Fused Results. This Option to the Standard Advance Display and Analysis Package is Fully Integrated, Complete with an Operator's Manual, is FDA 510K Cleared, and Driven from an Easy to use Graphical Interface.	
1	P5050KE	4mm DAT Drive, Optical Disk and Laser Camera Interface for Analysis Workstation	



QUOTATION

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2100 Stantonsburg Road
Greenville, NC 27834

Page 8

Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

<u>QTY</u>	<u>CATALOG</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
1	P5080SA	The Patlak Analysis Software Package is a Kinetic Compartmental Model that Transforms PET Tracer Activity into Regional Estimates of Physiological Function. The Three Compartmental Model is Based on the Sokoloff-Huang Method. The Application is Capable of Producing Patlak Plots as well as Four Patlak Image Types: Region Influx Rate, Slope, Y-Intercept, and "Goodness-of-Fit". This Option to the Standard Advance Display and Analysis Package is Fully Integrated, Complete with an Operator's Manual, is FDA 510K Cleared, and Driven from an Easy to use Graphical Interface.	
1	P5080SB	The FDG Autoradiographic Software Package is a Kinetic Model that Generates Quantified Images of Regional Metabolic Rate of Glucose Metabolism. This Option to the Standard Advance Display and Analysis Package is Fully Integrated, Complete with an Operator's Manual, is FDA 510K Cleared, and Driven from an Easy to use Graphical Interface.	
1	P5050KB	4mm DAT Drive 5-1/4 Inch Optical Disk	
1	P5050KW	Internal 2GB FW SCSI Disk Upgrade	
1	P5050JC	ADVANCE Laser Text Printer. HP LaserJet 4M Printer Which Provides 600x600 Dots Per Inch (dpi) and an 8-Page per Minute Printing Capability.	
1	P5080SE	Normals Database Software Package for PET. An Option Software Tool for Creating Mean and Standard Deviation Reference Images Within the Advance Image Display and Analysis Product Software.	



QUOTATION

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 2100 Stantonsburg Road
 Greenville, NC 27834

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Date: August 18, 1999

Attn: Mr. Tom Webb

Quotation Number: C7ZC12A

QTY	CATALOG	DESCRIPTION	PRICE
1	P5040JE	Very High Capacity Storage for Raw Data on the Operator Workstation. Formatted Size is 9.0 Gbyte with the Accompanying GE Software, Which Allows Approximately 1400 Wordmode 2D Frames or 350 Bytemode 3D Frames.	
TOTAL NET SELLING PRICE			=====
			\$ 2,330,661.75

Unless explicitly stated otherwise, and listed as individual items, charges for Federal Excise, state and local taxes, and rigging charges are not included in this quotation price.

ANY CONTRACT RESULTING FROM THIS QUOTATION WILL BE BASED SOLELY AND EXCLUSIVELY ON GENERAL ELECTRIC COMPANY'S STANDARD CONDITIONS OF QUOTATION AND OTHER TERMS AND CONDITIONS CONTAINED IN OR REFERENCED BY THIS QUOTATION.

ITEMS ASSOCIATED WITH THE ORDERED PRODUCTS AND PROVIDED UNDER THIS QUOTATION WITHOUT SEPARATELY IDENTIFIED CHARGE CONSTITUTE "DISCOUNTS OR OTHER REDUCTIONS IN PRICE" UNDER APPLICABLE FEDERAL LAW (42 U.S.C. 1320a-7b).

IT IS THE CUSTOMER'S RESPONSIBILITY TO DISCLOSE SUCH "DISCOUNTS OR OTHER REDUCTIONS IN PRICE" AS MAY BE REQUIRED UNDER ANY STATE OR FEDERAL PROGRAM WHICH PROVIDES COST OR CHARGE BASED REIMBURSEMENT TO THE CUSTOMER FOR THE PRODUCTS OR SERVICES PROVIDED UNDER THIS QUOTATION.

Appendix C

Current and Proposed Drawings



VIDANT HEALTH

FACILITIES - PROPERTIES
700 STANTONBURG ROAD
500 CROSS PARK BLVD
GREENVILLE, NC 27634
(855) 847-8244
(855) 847-8244 FAX

**VIDANT MEDICAL CENTER
TO NEW CANCER CENTER
PROPOSED CT RELOCATION**

GREENVILLE, NORTH CAROLINA

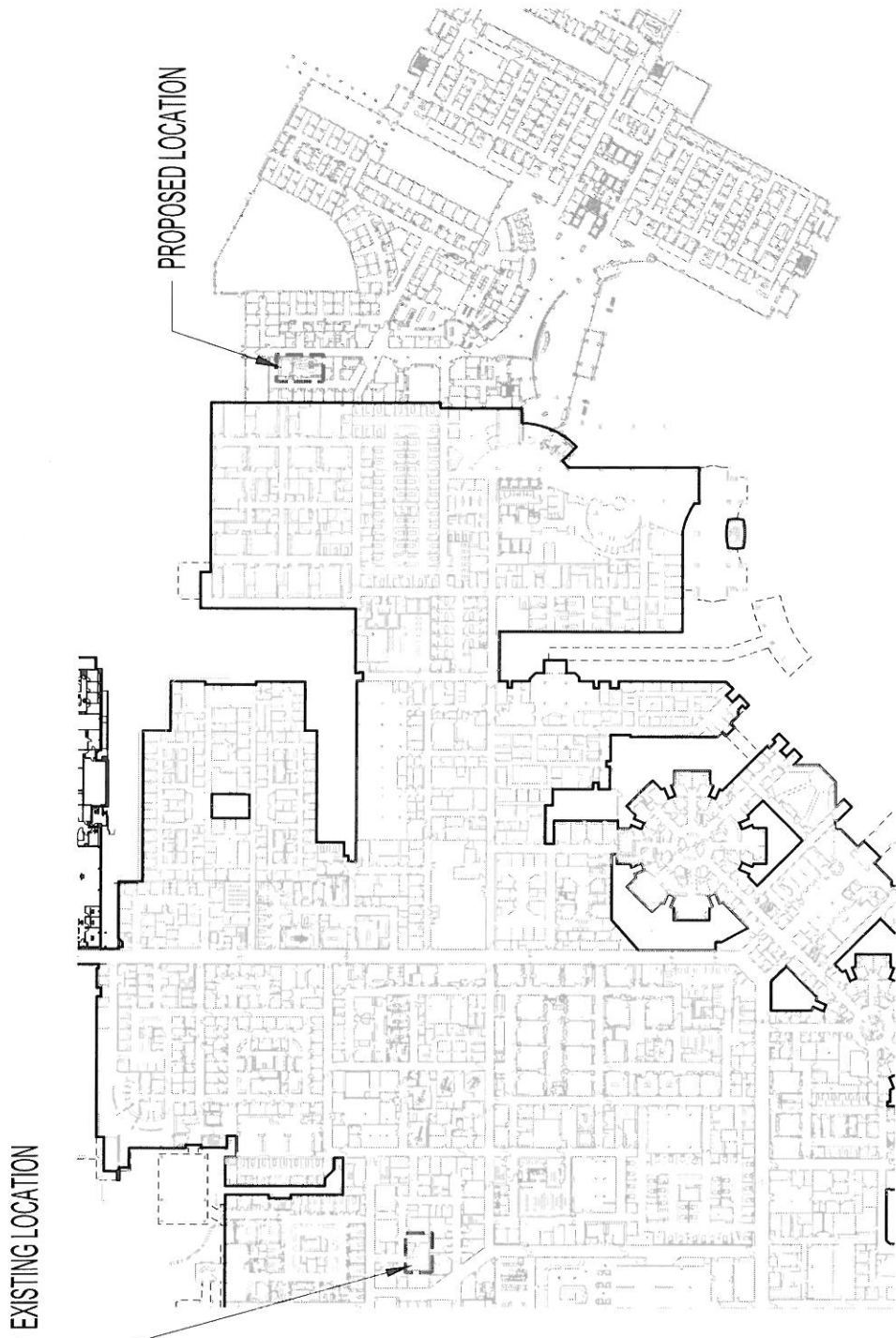
MARK	DATE	DESCRIPTION

PROJECT NO. 000-0000000
DATE 04/27/2017
DRAWN BY PJP

SHEET NO. 01 OF 02

01

LOCATION PLAN





FACILITIES • PROPERTIES
200 STANTONBURG ROAD
GREENVILLE, NC 27634
(252) 841-4587 PHONE
(252) 841-6284 FAX

VIDANT MEDICAL CENTER
GREENVILLE, NORTH CAROLINA
PROPOSED CT RELOCATION
TO NEW CANCER CENTER

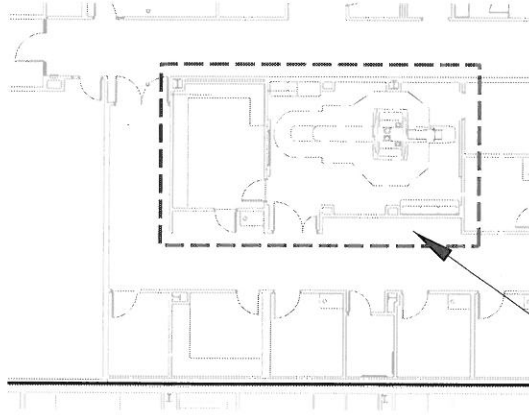
REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO. 0000000000
DATE 04/02/2017
DRAWN BY P.P.

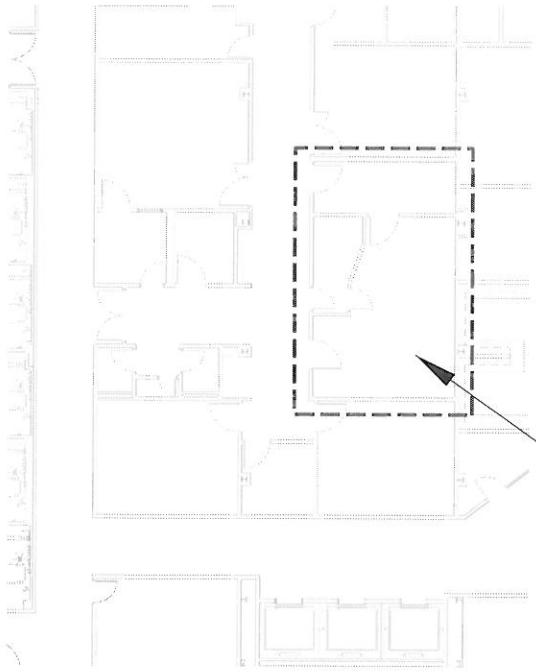
SHEET NO. 02 OF 02

02

AREA PLANS



PROPOSED LOCATION



EXISTING LOCATION

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	\$	150,000
(9) Cost of Labor		\$	100,000
(10) Other			
(11) Sub-Total Construction Contract			\$ 250,000
Miscellaneous Project Costs			
(12) Building Purchase		\$	0
(13) Fixed Equipment Purchase/Lease		\$	1,729,298
(14) Movable Equipment Purchase/Lease		\$	0
(15) Furniture		\$	0
(16) Landscaping		\$	0
(17) Consultant Fees			
	Architect and Engineering Fees		
	Legal Fees		
	Market Analysis		
	CON Preparation		
	Sub-Total Consultant Fees	\$	0
(18) Financing Costs (e.g. Bond, Loan, etc.)		\$	0
(19) Interest During Construction		\$	0
(20) Other (Specify)		\$	0
(21) Sub-Total Miscellaneous			\$ 1,729,298
(22) Total Project Capital Cost (Sum A-C above)		\$	1,979,298

Appendix E

Existing Equipment Removal Letter



GE Healthcare

Sandra J. Sackrison, DHSc, FACHE, RT (R)(M)(QM)(CRA)
Vidant Health Radiology System Service Line Administrator
2100 Stantonsburg Rd
Greenville NC 27834

Dear Sandy:

This letter is to confirm the existing Discovery PET ST 4 Diagnostic CT (SID# PITTPET1) at Vidant Medical Center will be removed on (date TBA) by GE Healthcare. The system will be removed from the state of North Carolina and will therefore be exempt from the requirements of the North Carolina Certificate of Need Law. Also, this system will not be re-installed or used in the North Carolina without new certificate of need approval issued.

Thanks,

Earl Norflett

Earl C. Norflett

Earl C. Norflett

Service Program Director

GE Healthcare – US & Americas Services

M + 1 919 699 9548

Earl.Norflett@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 equipment comparison table in Appendix B

- 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.**

Positron emission tomography–computed tomography (PET/CT) is a nuclear medicine technique which combines, PET scanner and a CT scanner, to acquire sequential images from both devices in the same session. These images are then combined into a single superposed image. Thus, functional imaging obtained by PET, which depicts the spatial distribution of metabolic or biochemical activity in the body can be more precisely aligned or correlated with anatomic imaging obtained by CT scanning.

PET/CT has revolutionized medical diagnosis in many fields, by adding precision of anatomic localization to functional imaging, which was previously lacking from pure PET imaging. For example, many diagnostic imaging procedures in oncology, surgical planning, radiation therapy and cancer staging have been changing rapidly under the influence of PET/CT.

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

See the vendor quote in Appendix A for the specifications and Appendix B for the brochure of the new replacement unit. Brochures for the existing equipment no longer exist. See the original quote in Appendix B for the specifications of the existing equipment.

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

The original purchase order for the existing equipment no longer exist. See the original quote in Appendix B for the original purchase of the existing equipment.

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

The existing equipment was purchased new. A title for the equipment does not exist.

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 replacement equipment will be purchased new, 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 complete quote for the replacement equipment from the vendor.

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 documentation from the vendor that shows 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.**

The existing equipment is currently in service and is being used to perform PET/CT scans on patients that need them. In fact, VMC performed 2,044 PET/CT scans in FY16.