



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 14, 2014

Elizabeth Kirkman  
Assistant Vice President, CHS Management Company  
2709 Water Ridge Parkway, Suite 200  
Charlotte, NC 28217

**Exempt from Review - Replacement Equipment**

Facility: Carolinas Medical Center  
Project Description: Replace existing linear accelerator  
County: Mecklenburg  
FID #: 943070

Dear Ms. Kirkman:

In response to your letters of December 11, 2013 and January 14, 2014 the above referenced proposal is exempt from certificate of need review in accordance with N.C.G.S 131E-184(f). Therefore, you may proceed to acquire, without a certificate of need, the TrueBeam System Linear Accelerator to replace the existing Clinac 600C Linear Accelerator (Serial # 427). 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. Further please be advised that as soon as the replacement equipment is acquired, you must provide the CON Section and the Medical Facilities Planning Branch with the serial number of the new equipment to update the inventory, if not already provided.

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

It should be noted that this 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 Agency and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

*Fatimah Wilson*  
Fatimah Wilson  
Project Analyst

*Martha J. Frisone*  
Martha J. Frisone, Interim Chief  
Certificate of Need Section

cc: Medical Facilities Planning Branch, DHSR  
Construction Section, DHSR  
Acute and Home Come Licensure and Certification Section, DHSR  
Radiation Protection Section, DHSR



**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

An Equal Opportunity/ Affirmative Action Employer





# Carolinah HealthCare System

*Carolinah*

Received by  
the CON Section  
DEC 12 2013

James E.S. Hynes  
Chairman

Michael C. Tarwater, FACHE  
Chief Executive Officer

Joseph G. Piemont  
President & COO

December 11, 2013

Mr. Craig R. Smith, Chief  
Certificate of Need Section  
Division of Health Service Regulation  
N.C. Department of Health & Human Services  
809 Ruggles Drive  
Raleigh, NC 27603

RE: Carolinas Medical Center – Exemption Notice for Acquisition of Replacement Linear  
Accelerator Equipment, Mecklenburg County

Dear Mr. Smith:

The Charlotte-Mecklenburg Hospital Authority d/b/a Carolinas Medical Center (“CMC”), seeks to acquire a Varian TrueBeam System (“TrueBeam”) (“Replacement Equipment”). The Replacement Equipment will replace CMC’s current Varian Clinac 600C (“Existing Equipment”). The Existing Equipment is currently housed and in use on the third floor of CMC (see Attachment A). The Replacement Equipment will be relocated to the Levine Cancer Institute (“LCI”) on CMC’s main campus. The purpose of this letter is to provide the Agency with notice and to request a determination that CMC’s purchase of the Replacement Equipment is exempt from Certificate of Need (“CON”) review under the replacement equipment exemption provisions contained in Session Law 2013-360, Section 12G.3(b) and Session Law 2013-363, Section 4.6 (which are codified at N.C. Gen. Stat. 131E-184(f)(1)-(3)).

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

“Replacement equipment” means equipment that costs less than two

million dollars (\$2,000,000) and is purchased for the sole purpose of replacing comparable medical equipment currently in use which will be sold or otherwise disposed of when replaced.

See N.C. Gen. Stat. 131E-176(22a). Under the new provisions found at N.C. Gen. Stat. 131E-184(f)(1)-(3), the CON law provides:

- (f) The Department shall exempt from certificate of need review the purchase of any replacement equipment that exceeds the two million dollar (\$2,000,000) threshold set forth in G.S. 131E-176(22) if all of the following conditions are met:
  - (1) The equipment being replaced is located on the main campus.
  - (2) The Department has previously issued a certificate of need for the equipment being replaced. This subdivision does not apply if a certificate of need was not required at the time the equipment being replaced was initially purchased by the licensed health service facility.
  - (3) The licensed health service facility proposing to purchase the replacement equipment shall provide prior written notice to the Department, along with supporting documentation to demonstrate that it meets the exemption criteria of this subsection.

See Session Law 2013-360, Section 12G.3(b) and Session Law 2013-363, Section 4.6. The term “main campus” was defined in Session Law 2013-360, Section 13G.3(a) (codified N.C. Gen. Stat. 131E-176(14n)) as follows:

- (14n) “Main campus” means all of the following for the purposes of G.S. 131E-184(f) and (g) only:
  - a. The site of the main building from which a licensed health service facility provides clinical patient services and exercises financial and administrative control over the entire facility, including the buildings and grounds adjacent to that main building.
  - b. Other areas and structures that are not strictly contiguous to the main building but are located within 250 yards of the main building.

In addition to the foregoing, to qualify for this exemption, the replacement equipment must be “comparable” to the equipment it replaces and must be “sold or otherwise disposed of when replaced.” CMC’s proposal qualifies for this exemption.

#### **A. Cost of the Replacement Equipment**

The purchase price of the new linear accelerator is \$3,941,982 as shown in the quote from Varian provided in Attachment B. The projected total capital cost of the project is \$6,000,000 and includes the removal of the existing equipment, renovation of the space and installation of the replacement linear accelerator equipment. The total

capital cost schedule and the certified cost estimate of the renovation required to install the new equipment in LCI are provided in Attachment C.

**B. Equipment Being Replaced is Located on the Main Campus**

The Existing Equipment is currently located on the third floor of CMC (See Attachment A). The Replacement Equipment will be re-located to the first floor of LCI located on the main campus of CMC (see Attachment A). As the site plan in Attachment A shows, LCI is part of the main campus, pursuant to N.C. Gen. Stat. 131E-176(14n)(a). LCI is attached to Morehead Medical Plaza (“MMP”) which is attached to Morehead Center Plaza (“MCP”) which is connected to the main building of CMC. The buildings are attached via climate controlled sky bridges. As a result, LCI is part of the “main building” of CMC.

**C. No Certificate of Need Needed for Equipment Being Replaced**

This proposal also fits within the new exemption criterion in Section 131E-184(f)(2) because the Existing Equipment and its predecessor linear accelerator did not require a CON when they were acquired and installed. The Existing Equipment was purchased in 1996 and did not require a CON at that time because the costs to acquire, and make operational, the Existing Equipment did not exceed \$750,000. As you know, prior to August 26, 2005, linear accelerators were not *per se* reviewable, and thus only required a CON within an existing hospital if the costs to acquire and implement such equipment exceeded the \$750,000 major medical equipment threshold in N.C. Gen. Stat. 131E-176(14o). Moreover, the Existing Equipment replaced the original CMC linear accelerator in that chain, which was first installed in 1979 and did not require a CON at that time.

**D. Comparable Equipment**

The CON rule codified as 10A N.C.A.C. 14C.0303 (the “Regulation”) defines “comparable medical equipment” in subsection (c) as follows:

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

CMC intends to use the Replacement Equipment for substantially the same radiation therapy procedures for which it currently uses the Existing Equipment. The Existing Equipment is a Varian Clinac 600C that was installed new at CMC in December 1996. This Existing Equipment has been used for radiation therapy treatments since installation.

The Replacement Equipment will perform all procedures currently performed on the Existing Equipment. Although it possesses some expanded capabilities due to technological improvements, the Replacement Equipment will perform the same general range of radiation therapy treatments. (See Attachment B for the Equipment

Brochure) The Replacement Equipment is therefore “comparable medical equipment” as defined in Subsection (c).

Futhermore, CMC does not intend to increase patient charges or per procedure operating expenses within the first 12 months after its acquisition. For further equipment comparison, please refer to Attachment D, the Equipment Comparison Chart.

Subsection (d) of the regulation further provides:

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

The Replacement Equipment will meet all three of tests set out in Subsection (d). The Replacement Equipment satisfies the technology and functionality tests in Subsection (1) and (2) as discussed above and identified in the Comparison Chart (Attachment D). Moreover, CMC represents the use of the Replacement Equipment will not result in the types of expense or charge increase described in Subsection (d)(3).

The Existing Equipment is currently in use and documentation provided in Attachment D indicates that 1,015 procedures have been performed in 2013.

#### **E. Disposition of Equipment**

Please see Attachment C for a letter documenting the Existing Equipment will be taken out of service and will not be re-sold or re-installed in North Carolina without appropriate certificate of need approval.

#### **F. Relinquishment of Prior Certificate of Need if This Exemption is Confirmed**

As the Agency is aware, the Existing Equipment was originally slated to be replaced and relocated to Carolinas Medical Center-Union (“CMC-Union”) pursuant to a certificate of need, Project I.D. No. F-7525-06 (the “Union Linac CON”). On June 11, 2012, CMHA filed a material compliance request, asking permission to retain any such replacement linear accelerator at CMC for a period of time before moving such replacement linear accelerator to CMC-Union. The Agency denied that request, by letter dated February 28, 2013 (the “Union Linac Material Compliance Decision”) and CMHA filed a contested case appeal of the Union Linac Material Compliance Decision, which is docketed in the Office of Administrative Hearings (“OAH”) as 13 DHR 10512 (the “Union Linac Material Compliance Appeal”). If the Agency confirms the Exemption Notice contained

in this letter, and such Agency confirmation is not appealed by any party, CMHA plans to: (1) relinquish the Union Linac CON; and (2) dismiss, with prejudice, the Union Linac Material Compliance Appeal.

**CONCLUSION**

Based on the foregoing information, CMC hereby requests that the Agency provide a written response confirming that the acquisition of the Replacement Equipment described herein is exempt from CON review. If the Agency needs additional information to assist in its consideration of this request, please let us know.

Thank you for your consideration of this notice.

Sincerely,



Elizabeth V. Kirkman  
Assistant Vice President  
CHS Management Company

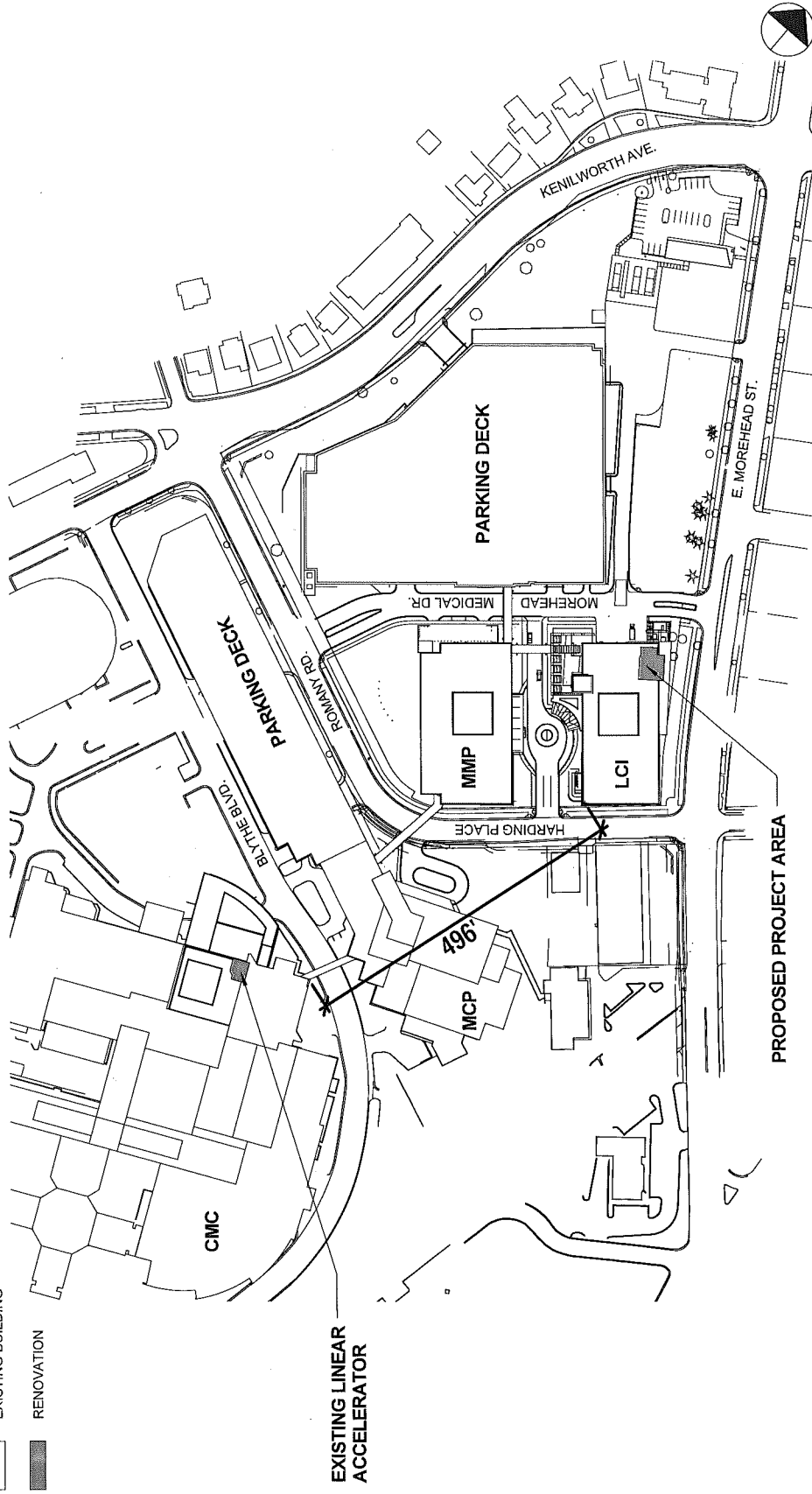
Attachments

cc: F. Del Murphy, Jr., CHS  
Michael Lutes, CMC-Union

# Attachment A

COLOR KEY

- LINEAR ACC
- EXISTING BUILDING
- RENOVATION



# SITE PLAN

## LCI REPLACEMENT LINEAR ACCELERATOR CON






Carolinas HealthCare System

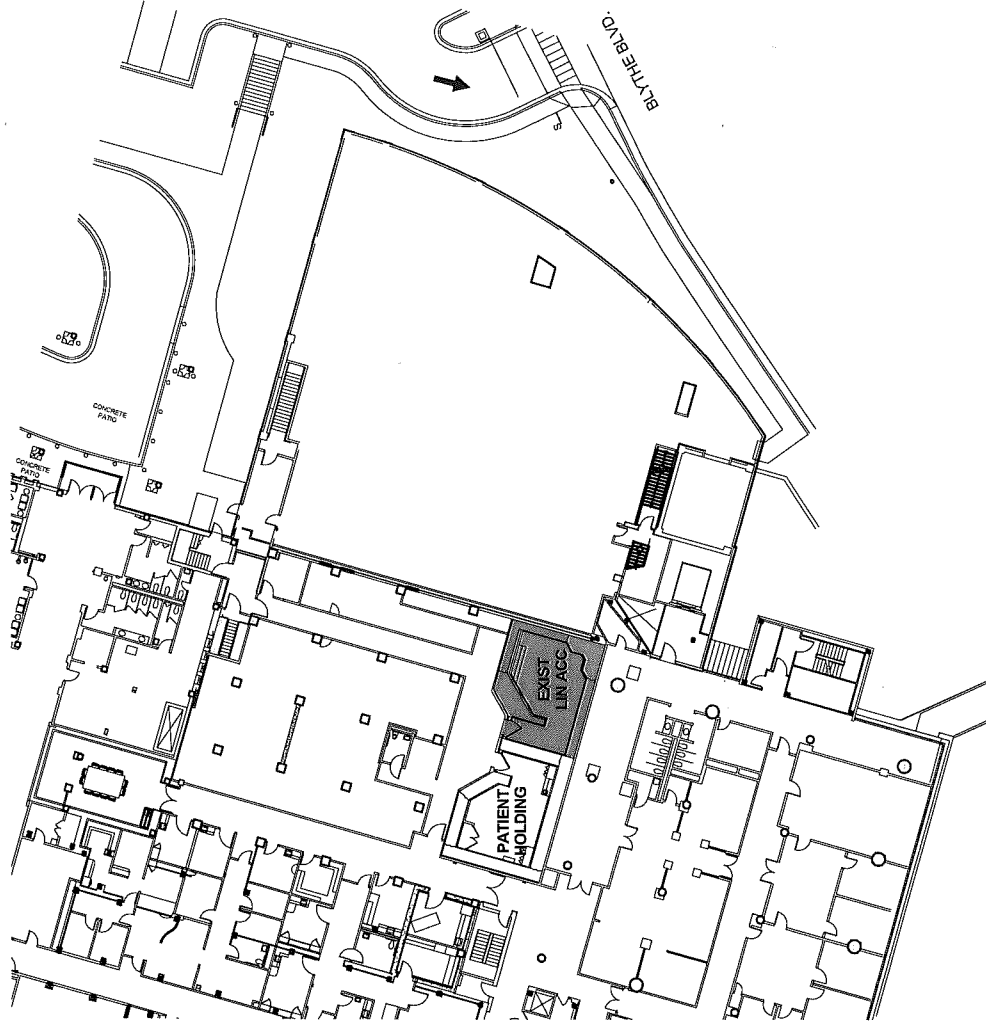
NOVEMBER 11, 2013

Charlotte, NC



COLOR KEY

-  LINEAR ACC
-  EXISTING BUILDING
-  RENOVATION



# CMC MAIN - THIRD FLOOR

LCI REPLACEMENT LINEAR ACCELERATOR CON




Carolinas HealthCare System

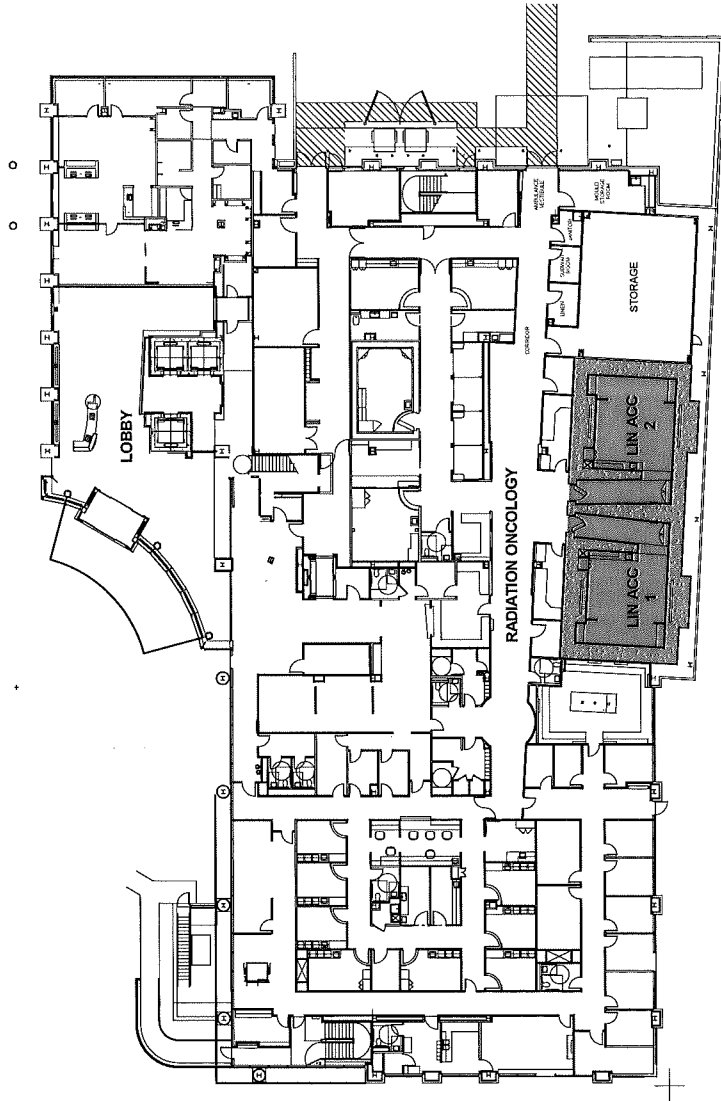
NOVEMBER 11, 2013

Charlotte, NC



COLOR KEY

-  LINEAR ACC
-  EXISTING BUILDING
-  RENOVATION



# LCI - EXISTING FIRST FLOOR

Carolinas HealthCare System




NOVEMBER 11, 2013

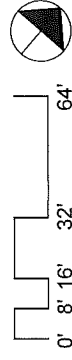
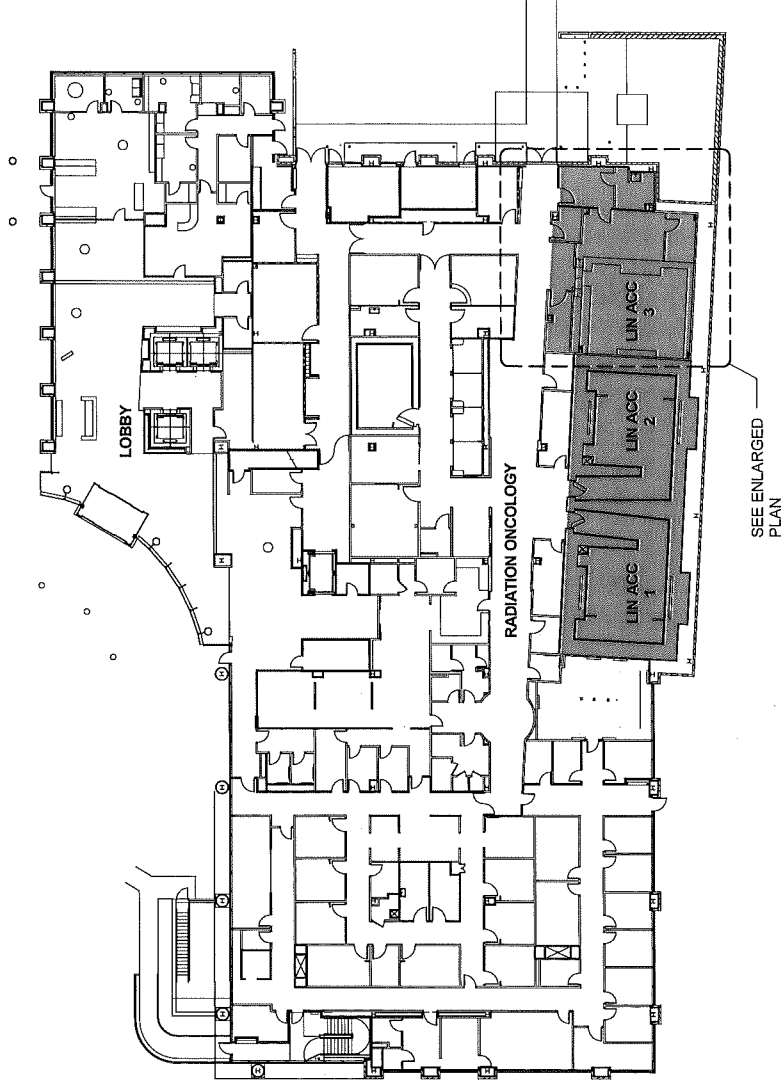


LCI REPLACEMENT LINEAR ACCELERATOR CON

Charlotte, NC

COLOR KEY

-  LINEAR ACC
-  EXISTING BUILDING
-  RENOVATION



# LCI - PROPOSED FIRST FLOOR

## LCI REPLACEMENT LINEAR ACCELERATOR CON



Carolina HealthCare System

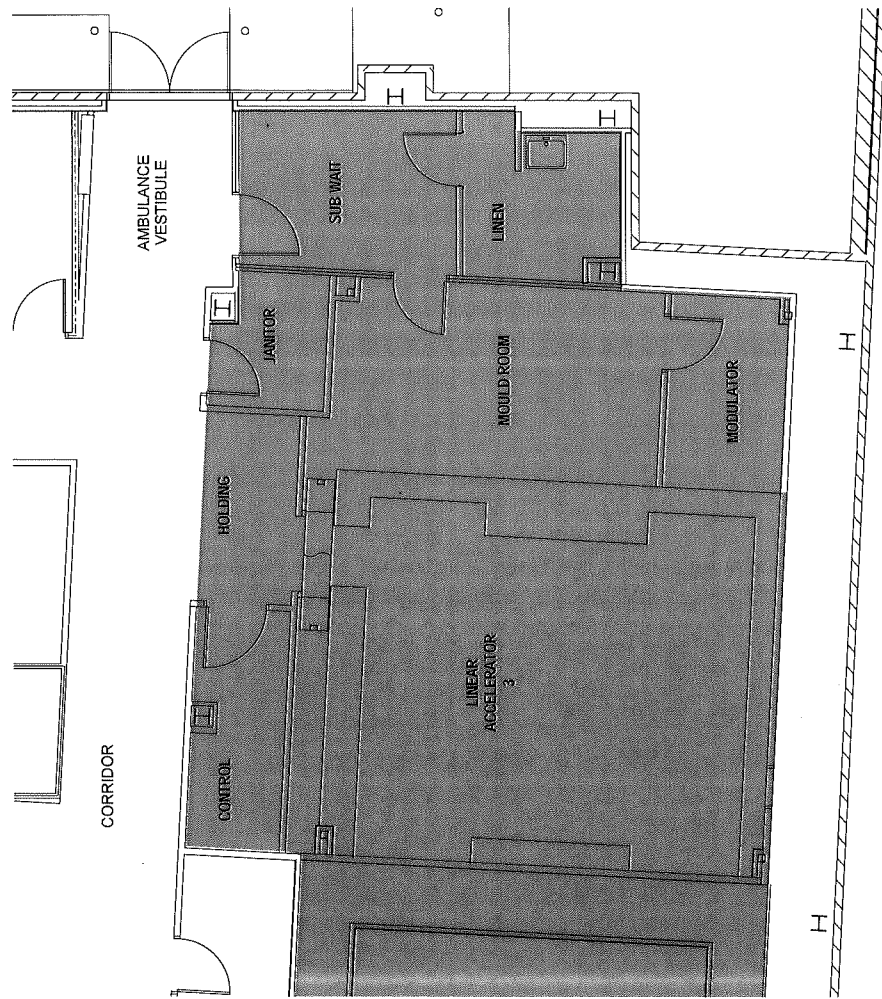
NOVEMBER 11, 2013

Charlotte, NC

# Attachment B

COLOR KEY

- LINEAR ACC
- EXISTING BUILDING
- RENOVATION



# LCI - PROPOSED ENLARGED PLAN

LCI REPLACEMENT LINEAR ACCELERATOR CON



Carolinas HealthCare System

NOVEMBER 11, 2013

Charlotte, NC

Quotation For:

Vicki Reich  
Carolinas Medical Center  
Radiation Oncology  
1021 Morehead Medical Drive  
Charlotte, NC 28204  
(704) 355 - 2272 FAX: (704) 355 - 7218

Please address inquiries and replies to:

Yoel Bakas  
Varian Medical Systems  
2250 Newmarket Parkway  
Suite 120  
Marietta, GA 30067  
(770) 955 - 1367 FAX: (678) 255 - 3850  
yoel.bakas@varian.com

Your Reference:	Quotation Firm Until: <b>February 28, 2014</b>
FOB Point: <b>US2 FOB: Destination</b>	Shipping Allocation: <b>120 DAYS ARO</b>
Payment Terms: <b>See Terms and Conditions</b>	Varian Terms and Conditions of Sale 1652U Attached

**\*\*\* CONFIDENTIAL \*\*\***  
**Carolinas Medical Center**  
**Main**

**TrueBeam System**  
**TrueBeam Accessories and Upgrades**  
**Travel and Lodging and NC Inspection**

<p><b>Carolinas Medical Center</b></p> <p>Quotation Total of: USD <b>\$3,941,982</b> Accepted by:</p> <p>Signature: _____</p> <p>Name: _____</p> <p>Title: _____</p> <p>Date: _____</p> <p>For this purchase, we designate <u><b>CAROLINAS HEALTH</b></u> as our Institution's Primary Group Purchasing Organization affiliation. Any change will be Indicated below:</p> <p> <input type="checkbox"/> AmeriNet    <input type="checkbox"/> Aptium    <input type="checkbox"/> BJC    <input type="checkbox"/> Broadlane  <input type="checkbox"/> CHW    <input type="checkbox"/> Consorta/HPG    <input type="checkbox"/> KP Select    <input type="checkbox"/> Magnet  <input type="checkbox"/> Matrix    <input type="checkbox"/> MedAssets    <input type="checkbox"/> Novation    <input type="checkbox"/> Premier  <input type="checkbox"/> ROI    <input type="checkbox"/> USO    <input type="checkbox"/> VA Gov    <input type="checkbox"/> None         </p>	<p><b>Varian Medical Systems</b></p> <p>Submitted by:</p> <p>_____</p> <p>(Signature)</p> <p>Name: <b>Yoel Bakas</b></p> <p>Title: <b>Director, Strategic Accounts</b></p> <p>Date: <b>December 3, 2013</b></p>
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Item	Qty	Product Description	Offer Price
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<b>Section 1 TrueBeam System</b>
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1.01 1 TrueBeam Package

1.02 1 TrueBeam System  
TrueBeam system

Premium performance image-guided radiotherapy system

FEATURES:

- Performance per RAD 10094
- High speed, real time network control
- Synchronous, high precision motion, imaging, and dose trajectory management
- Patented variable beam energy generation
- Dual independent jaw collimator system, supporting dynamic jaw tracking and dynamic collimator rotation
- Enhanced dynamic wedge
- Electronic Accessory Detection and Verification system
- LaserGuard II system, a laser protection zone-based proximity sensor that is used to alert the user of system proximity to the patient, associated immobilization devices, and to other parts of the system and limit motion if necessary
- Treatment couch base with sub-millimetric positioning accuracy to isocenter
- Full remote motion control with software-selectable motion axis disable
- Autofield sequencing and full treatment delivery automation
- Radiation-hardened digital CCTV camera system for patient and motion monitoring
- Laser backpointer
- 3D system motion monitoring and touch detector systems
- Integrated controls with visual action prompts
- Two 27 inch monitors for treatment room viewing of system and patient information
- Two 21 inch high performance treatment console monitors
- Integrated audio system, including intercom, optional respiration coaching, input for music
- Low profile console packaging with optional stacking
- Software-selectable IEC601 and IEC 1217 scale convention
- Basic quality assurance and performance test kit, including front pointer set and collimator crosshair
- Standard spare parts
- Smart Connect remote access ready
- One (1) full warranty
- Shipping (Shipment is pending regulatory clearance of this product in the ship-to country. Lead times after receipt of order may vary greatly by country.)

NOTE: The TrueBeam only supports IEC 601 or IEC 1217 scales. Conical collimator accessories (sometimes called "cones") must not be used for treating patients on this device without also using the Barcode Conical Collimator Verification (BCCV) product. Failure to use BCCV with conical collimators may result in serious injury or death due to a lack of verification that the correct conical collimator and field size for that collimator are in place for that patient's treatment plan.

Item	Qty	Product Description	Offer Price
		<p>PREREQUISITES:</p> <ul style="list-style-type: none"> <li>- ARIA Practice Management, Version 8.8.15, or compatible third party oncology information system.</li> <li>- ARIA Rad Onc, including Eclipse, Version 8.9.09.1, or compatible third party oncology information / treatment planning system</li> </ul>	
1.03	1	<p><b>Base System Treatment License</b></p> <p>Includes static and arc X-ray treatment delivery license, supports maximum dose per field of 2500 MU for static fields and 7200 MU for intensity modulated fields</p>	
1.04	1	<p><b>TrueBeam Online Marketing Program</b></p> <p>Access to the TrueBeam™ Online Marketing Program which provides a broad range of advertising, educational, promotional, and public relations materials targeted to referring physicians, patients, and the media.</p>	
1.05	1	<p><b>New Baseframe</b></p>	
1.06	1	<p><b>INCL ED: TB201 TrueBeam for Physicists</b></p> <p>The following Education Course is included with the purchase of a TrueBeam.</p> <ul style="list-style-type: none"> <li>- Includes Tuition and Materials for ONE person</li> <li>- Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)</li> <li>- Training is non-refundable and non-transferable</li> <li>- Offer is valid for 18 months after installation of product</li> </ul> <p>TrueBeam Physics and Administration</p> <p>TrueBeam Physics and Administration course is designed for those personnel responsible for the acceptance, commissioning and QA program development of the TrueBeam in the clinical environment. It is directed primarily towards Medical Physicists. It is recommended that the student attend the TrueBeam Physics and Administration course shortly before the installation of the TrueBeam.</p> <p>The course provides instruction of the basic delivery components, basic imaging components and a general overview of the motion management system components. Machine commissioning, calibration, QA and the responsibilities of Customer Acceptance Procedure (CAP) of the machine are included. The course subject matter is presented from a clinical use perspective. The primary emphasis is on the overall commissioning, calibration, and QA of the TrueBeam and its components. Extensive hands-on laboratory exercises are included.</p> <p>PREREQUISITES: None</p> <p>Length: 4 days</p>	



Item	Qty	Product Description	Offer Price
1.07	1	<p><b>STD TRNG: TrueBeam On-Site Support</b></p> <ul style="list-style-type: none"> <li>- Includes support for TrueBeam</li> <li>- Support is non-refundable and non-transferable</li> <li>- Offer is valid for 18 months after purchase</li> </ul> <p>On site follow-up review of the TrueBeam components to include imaging and motion management for support of patient treatment. The emphasis of this support is to ensure that the therapists that attended the TrueBeam Operations (on-site) training are able to operate the TrueBeam in a safe and effective manner in the clinical environment.</p> <p>PREREQUISITES: TrueBeam Operations (on-site) training</p>	
1.08	2	<p><b>INCL ED: TB101 TrueBeam Operations</b></p> <p>The following Education Course is included with the purchase of a TrueBeam:</p> <ul style="list-style-type: none"> <li>- Includes Tuition and Materials for ONE person</li> <li>- Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)</li> <li>- Training is non-refundable and non-transferable</li> <li>- Offer is valid for 18 months after installation of product</li> </ul> <p>TrueBeam Operations is a course designed for those personnel responsible for the routine operation and clinical use of the TrueBeam. It is directed primarily towards Radiation Therapists. It is recommended that both students attend the TrueBeam Operations course shortly before clinical use and the commencement of patient treatments.</p> <p>The course provides instruction of the basic delivery components, basic imaging components and a general overview of the motion management system components. The course subject matter is presented from a clinical use perspective. The primary emphasis is on the overall understanding of the TrueBeam function and operation to include imaging and respiratory gating. Extensive hands-on laboratory exercises are included. The attendees of this class will be provided tools to allow them to instruct other clinical staff upon their return.</p> <p>PREREQUISITES: None</p> <p>Length: 4 days</p>	
1.09	1	<p><b>6/6 MV Energy (per BJR 11/17)</b></p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min</p>	
1.10	1	<p><b>10/10 MV Energy (per BJR 11/17)</b></p> <p>40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min</p>	

Item	Qty	Product Description	Offer Price
1.11	1	<b>15/16 MV Energy (per BJR 11/17)</b> 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min	
1.12	1	<b>6X High Intensity Mode</b> 40cm x 40cm maximum field size, dose rate range 400-1400 MU/Min  Note: Portal Dosimetry (purchasable option) does not support High Intensity Mode	
1.13	1	<b>10X High Intensity Mode</b> 40cm x 40cm maximum field size, dose rate range 400-2400 MU/Min  Note: Portal Dosimetry (purchasable option) does not support High Intensity Mode	
1.14	1	<b>Electron Applicator Set</b> 6cm x6cm, 6cmx10cm, 10cmx10cm, 15cmx15cm, 20cmx20cm, 25cmx25cm Includes electron arc applicator and final defining aperture mold frame set	
1.15	1	<b>6 MeV</b> 25 cm x 25 cm maximum field size, dose range range 0-1000 MU/Min	
1.16	1	<b>9 MeV</b> 25cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min	
1.17	1	<b>12 MeV</b> 25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min	
1.18	1	<b>16 MeV</b> 25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min	
1.19	1	<b>20 MeV</b> 25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min	
1.20	1	<b>120 Multileaf Collimator</b> - Performance per RAD 10094 - High resolution leaf width of 5 mm (projected at isocenter) for central 20 cm - Leaf width of 10 mm (projected at isocenter) for outer 20 cm	
1.21	1	<b>IMRT Treatment Delivery License</b> Capability to simultaneously modulate aperture shape with dose delivery for a static gantry beam  FEATURES: - Simultaneous modulation of MLC aperture shape and dose delivery for a static gantry beam - Supports dynamic jaw tracking and collimator rotation with supporting treatment planning system - Includes large field IMRT	

Item	Qty	Product Description	Offer Price
1.22	1	<p><b>SRS/SBRT High Total Dose License</b></p> <p>Required for delivery of hypofractionated or radiosurgical X-ray treatments</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Provides the capability to deliver high dose fields for any X-ray treatment</li> <li>- Supports delivery of up to 6000 MU for a static aperture beam</li> <li>- Supports delivery of up to 10800 MU for an intensity or volumetric modulated beam</li> </ul> <p>NOTE:</p> <p>For total body irradiation treatments, the Total Body Treatment Delivery License is required</p>	
1.23	1	<p><b>RapidArc Treatment Delivery License</b></p> <p>Capability to simultaneously modulate aperture shape, dose rate, and gantry angle and speed continuously for up to 360 degrees of gantry rotation, with delivery as an arc beam.</p> <p>When coupled with RapidArc Planning and a RapidArc-compatible information system, provides the capability to generate IMRT-quality dose distributions in a single, optimized arc around the patient. When coupled with the Optical Imager, provides the capability for Gated RapidArc.</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Simultaneous modulation of MLC aperture shape, beam dose rate, and gantry angle and rotation speed during beam delivery</li> <li>- Supports dynamic jaw tracking and collimator rotation with supporting treatment planning system</li> <li>- Provides IMRT-quality dose distributions in a single arc delivery in less than 2 minutes</li> </ul>	
1.24	1	<p><b>MV Imager</b></p> <p>MV image acquisition and data analysis for target localization, patient positioning and motion management</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Performance per RAD 10094</li> <li>- High precision, isocenter-aligned positioning system</li> <li>- aS1000 detector system for low dose, high resolution imaging</li> <li>- 2D image acquisition before, after, and during treatment delivery</li> <li>- Online image review and analysis</li> </ul>	

Item	Qty	Product Description	Offer Price
1.25	1	<p><b>Basic MV Imaging License</b> Provides capability for radiographic and cine imaging and basic imaging matching for treatment verification</p>	
1.26	1	<p><b>Advanced MV Radiographic</b> Provides capability for 2D radiographic imaging, image analysis, and marker match</p>	
1.27	1	<p><b>Portal Dose Image Acquisition License</b> Provides capability for portal dose image acquisition</p>	
1.28	1	<p><b>Port Film Graticule</b> Set of upper and lower port film graticules</p>	
1.29	1	<p><b>kV Imager</b> kV Image acquisition and data analysis, analysis for target localization, patient positioning and motion management.</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Performance per RAD 10094</li> <li>- High precision, isocenter-aligned positioning system</li> <li>- X-Ray source and detector</li> <li>- 2D image acquisition before, after, or during treatment delivery</li> <li>- Online image review and analysis</li> </ul>	
1.30	1	<p><b>Basic 2D kV Imaging License</b> Provides capability for 2D kV radiographic image acquisition and analysis, pretreatment fluoroscopic verification imaging and analysis, 2D marker matching, 2D MV/kV imaging and analysis, fluoroscopic image acquisition during treatment delivery</p>	
1.31	1	<p><b>kV CBCT Imaging License</b> Provides capability to acquire, process, and analyze in 3D a cone-beam volumetric CT dataset</p>	
1.32	1	<p><b>Optical Imager</b> Stereoscopic optical imaging system for monitoring patient respiratory motion and 3D patient position</p> <p>Performance per RAD 10094</p>	
1.33	1	<p><b>Respiratory Gating License</b> Respiratory Gating License</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Provides the capability to synchronize image acquisition and treatment delivery with respiration</li> <li>- 3D patient position monitoring</li> <li>- Capability for gated arc therapy</li> </ul>	

Item	Qty	Product Description	Offer Price
1.34	1	<p><b>INCL ED: CL222 Respiratory Gating</b></p> <ul style="list-style-type: none"> <li>- Includes Tuition and materials for ONE person.</li> <li>- Attendees will be responsible for their own, airfare, hotel, rental car, meals and other travel incidentals.</li> <li>- Training is non-refundable and non-transferable.</li> <li>- Offer is valid for 18 months after installation of product.</li> </ul> <p>The RPM course provides training for physicists, or therapists, to obtain knowledge of the principles and practice of respiratory gating in radiation oncology for clinical implementation.</p> <p>Duration: 1 1/2 days</p>	
1.35	1	<p><b>Dynamic MV Imaging License</b></p> <p>Provides capability for respiration-synchronized MV radiographic image acquisition</p> <p>PRE-REQUISITE: Optical Imager and accompanying Respiratory Gating Licence</p>	
1.36	1	<p><b>Dynamic kV Imaging License</b></p> <p>Provides capability for respiratory gating-triggered kV radiographic image acquisition, during, after, and before treatment delivery.</p> <p>PRE-REQUISITE: Optical Imager and accompanying Respiratory Gating License</p>	
1.37	1	<p><b>Standard Stand Configuration</b></p>	
1.38	1	<p><b>Upper Wedge Set</b></p> <p>4-Way Wedge Set, including 15°, 30°, 45°, 60° wedges</p>	
1.39	1	<p><b>Motion View</b></p> <p>CCTV Camera Kit</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Two pan, tilt, zoom CCTV cameras</li> <li>- Two desktop, 8 1/4 inch LCD displays with built in camera controls</li> <li>- Adjustable viewing angle for patient privacy</li> <li>- Push button pan, tilt, zoom, and home position control</li> </ul>	
1.40	1	<p><b>LAP Apollo Green Room Laser Kit</b></p> <p>LAP Apollo Green Room Laser Kit</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- 1 Apollo Green Remote Controlled Ceiling Crosshair Laser</li> <li>- 2 Apollo Green Remote Controlled Lateral Crosshair Lasers</li> <li>- 1 Apollo Green Remote Controlled Sagittal Line Laser</li> </ul>	

Item	Qty	Product Description	Offer Price
1.41	1	<p><b>Additional CCTV Camera System</b> Additional CCTV Camera Kit</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>- Two pan, tilt, zoom CCTV cameras</li> <li>- Two desktop, 8 1/4 inch LCD displays with built in camera controls</li> <li>- Adjustable viewing angle for patient privacy</li> <li>- Push button pan, tilt, zoom, and home position control</li> </ul> <p>Prerequisites: Motion View must be selected or installed</p>	
1.42	1	<p><b>Main Circuit Breaker Panel</b> General Electric Co. main circuit breaker panel, interfacing to a single power input feed from the facility Mains. Circuit breakers provide independent over-current protection for equipment at the console and in the treatment room. UL and IEC/CE certified.</p>	
1.43	1	<p><b>AlignRT 3 Cam for TrueBeam</b> AlignRT® 3 camera configuration (standalone) for TrueBeam customers with no MMI.</p> <p>Components included (for installation in the Linac room):</p> <ul style="list-style-type: none"> <li>- AlignRT® camera unit x 3</li> <li>- Workstation including keyboard, mouse and remote terminal (in control room)</li> <li>- AlignRT® patient tracking software</li> <li>- AlignRT® calibration plate</li> <li>- Full installation: Standard or Supplier-modified product mounting brackets are provided by Supplier as part of the normal installation of the Supplier Product. Any additional mounting or fixing mechanism or construction cost required to use the Supplier Product in treatment room(s) shall be the responsibility of the Customer.</li> </ul> <p>Customer Training: As specified in Terms and Conditions.</p> <p>Pre-requisites: Truebeam release 1.0</p>	

**Section 2 TrueBeam Accessories and Upgrades**

2.01	1	<p><b>PerfectPitch™ 6-Degree of Freedom Couch</b> The PerfectPitch™ 6-Degree of Freedom couch represents an industry leading solution to providing complete flexibility and accuracy in patient positioning. With a patient load capacity of 440lbs and sub-millimeter accuracy, a wide range of patients can be accurately and repeatable positioned for treatment. Fully integrated into the TrueBeam System 2.0, the PerfectPitch couch allows remote positioning and repositioning of the patient based on input from the imaging system</p> <p>Feature(s)</p>	
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Item	Qty	Product Description	Offer Price
		<ul style="list-style-type: none"> <li>- Fully robotic positioning of the patient using 6-degrees of freedom</li> <li>- Sub-millimeter positioning accuracy in both translations and rotations</li> <li>- Patient load capacity: 440lbs with the Varian IGRT couhtop</li> <li>- Compatible with Pivotal Prone Breast solution and Calypso (requires optional items to be purchased)</li> <li>- Fully integrated into system software for remote patient repositioning facilitating delivery of robotic treatments</li> </ul> <p>Pre-Requisites (not included in this quote)</p> <ul style="list-style-type: none"> <li>- TrueBeam system software version 2.0</li> <li>- ARIA version 11</li> </ul> <p>Note:</p> <p>TrueBeam 2.0, the PerfectPitch™ 6-Degree of Freedom Couch and Edge components not been tested in conjunction with Mosaik and may not operate without an upgrade to your Mosaik System. These upgrades are not included in this quotation. Please contact Elekta for details of the necessary upgrades</p> <p>Delivery</p> <ul style="list-style-type: none"> <li>- Not deliverable before October 2013</li> </ul>	
2.02	1	<p><b>Motion Mgmt Interface (MMI) for TrueBeam</b></p> <p>The Motion Management Interface (MMI) on TrueBeam provides third party systems ability to provide target location information to the system.. When fully enabled, the third party system may be able to provide beam gating and couch repositioning input to the TrueBeam system .* On the TrueBeam, the MMI allows the simultaneous connection of up to 4 external devices, 2 of which may be used for beam gating.</p> <p>Feature(s)</p> <ul style="list-style-type: none"> <li>- Bi-directional interface for 3rd parties to connect to the TrueBeam system</li> <li>- Ability to connect up to 4 external devices simultaneously with 2 of the 4 usable for gating</li> </ul> <p>Pre-Requisites (not included in this quote)</p> <ul style="list-style-type: none"> <li>- TrueBeam System 2.0</li> </ul> <p>Delivery</p> <ul style="list-style-type: none"> <li>- Not deliverable before October 2013</li> </ul> <p>*For Varian 6DoF couch configuration, 6DoF patient repositioning will only work with TrueBeam image guidance.</p>	
2.03	1	<p><b>Advanced IGRT &amp; Motion Package</b></p> <p>The Advanced IGRT &amp; Motion Package from Varian Medical Systems provides a comprehensive set of tools that can allow users to customize imaging and treatment protocols based on the unique needs of every patient. Using features included in the package, the user can have industry leading flexibility to image and deliver treatment based on target location, target motion or delivered dose considerations.</p>	

Item	Qty	Product Description	Offer Price
		<p>Feature(s)</p> <ul style="list-style-type: none"> <li>- Imaging based on triggers determined by               <ul style="list-style-type: none"> <li>Delivered dose (MU)</li> <li>Elapsed time</li> <li>Angular motion of the gantry</li> </ul> </li> <li>- Instant imaging &amp; 2D/3D Matching</li> <li>- Advanced Reconstructor including               <ul style="list-style-type: none"> <li>4D CBCT (offline feature)</li> <li>Extended length CBCT (offline feature)</li> </ul> </li> <li>- Planning structures on pre-treatment fluoroscopic trace</li> <li>- On-line Image Approval</li> <li>- Auto Beam-hold               <ul style="list-style-type: none"> <li>(Auto beam-hold validated to work with Gold Seed (cylindrical markers) for prostate and liver; Calypso RFID for prostate and lung; Embolization Coils for Lung)</li> </ul> </li> </ul> <p>Pre-Requisites (not included in this quote)</p> <ul style="list-style-type: none"> <li>- TrueBeam System 2.0</li> <li>- ARIA Version 11</li> </ul> <p>Delivery</p> <ul style="list-style-type: none"> <li>- Not deliverable before October 2013</li> </ul>	
<b>2.04</b>	<b>1</b>	<p><b>Pivotal™ treatment solution-prone breast</b></p> <p>NC Electrical Inspection</p> <p>The Pivotal™ treatment solution for prone breast care combines the prone breast technique with the innovative Qfix™ kVue™ Access 360™ prone breast insert, offering the potential to significantly reduce dose to heart and lung, obtain good dose homogeneity, minimize respiratory motion, and decrease skin toxicity.</p> <p>A Pivotal treatment solution marketing program is included to help build awareness of your facility and promote the Pivotal treatment solution to patients, physicians, and your community. The marketing program is available on-line and includes a broad range of marketing materials including public relations, advertising, and educational content.</p> <p>Qfix™ kVue™ Access 360™ components include:</p> <ul style="list-style-type: none"> <li>Right and left prone breast couchtop inserts with foam cushions</li> <li>Two headrests: Prone head cushion &amp; contour pillow cushion</li> <li>Dual hand grip and ipsilateral hand grip</li> <li>Adjustable CT Risers (superior &amp; inferior) for CT simulation</li> <li>Storage Cart</li> </ul> <p>Weight Limit: 200 kg (440 lb) uniformly distributed load</p> <p>Available for small and large bore CT scanners</p> <p>Pre-requisites:</p> <ul style="list-style-type: none"> <li>If ordered with C-Series:               <ul style="list-style-type: none"> <li>Qfix™ kVue™ Couch Top or Calypso kVue™ Couch Top</li> <li>Minimum Clinac Console Software v9.0</li> <li>Minimum 4DITC v11</li> </ul> </li> <li>If ordered with TrueBeam:</li> </ul>	



Item	Qty	Product Description	Offer Price
		Qfix™ kVue™ Couch Top or Calypso kVue™ Couch Top Laserguard II	
2.05	1	<p><b>VARIAN Extracranial SABR Pkg - TrueBeam</b></p> <p>NC Electrical Inspection The Varian Extracranial SABR package extends the real time tracking benefits of the Calypso platform to the TrueBeam platform.</p> <p>Feature(s)</p> <ul style="list-style-type: none"> <li>- Calypso system for real-time direct tumor tracking, including               <ul style="list-style-type: none"> <li>&gt; Calypso compatible couchtop</li> <li>&gt; Target position update rate of 25Hz, optimized for tracking the motion of fast moving targets</li> <li>&gt; Automatic couch repositioning and treatment beam gating for precision radiation delivery</li> </ul> </li> <li>- Starter kit for prostate Beacon Transponders and implant training</li> <li>- Body immobilization for extracranial SABR treatments</li> </ul> <p>Pre-Requisites (not included in this quote)</p> <ul style="list-style-type: none"> <li>- TrueBeam System at version 2.0 or higher</li> <li>- Motion Management Interface for TrueBeam</li> </ul> <p>Delivery</p> <ul style="list-style-type: none"> <li>- Not deliverable before January 2014</li> </ul>	

**Section 3 Travel and Lodging and NC Inspection**

**3.01 5 Travel and Lodging**

Allowance is applied only to the travel and lodging expenses, including airfare, hotel accommodations and rental car.

The customer is responsible for any expenses outside of the allowance. Travel and lodging charges will be direct billed and are not reimbursable if travel is booked outside of Balboa Travel. The hotel must be Varian preferred. Any remaining balance is non-refundable.

Please contact Balboa Travel Agency at 877-593-7220 in order to make the necessary travel arrangements once you complete the online registration at [www.variantraining.com](http://www.variantraining.com) and receive an email confirmation for the course. Be sure to provide Balboa your Varian sales order number.

This Travel and Lodging allowance expires 18 months from the acceptance date of your equipment.

Item	Qty	Product Description	Offer Price
3.02	1	Outside Vendor Item NC Electrical Inspection	
<b>Quotation Total \$</b>			<b>3,941,982.00</b>

*There may be radiological regulatory requirements applicable to possessing and/or operating radiation generating machines. Varian takes no responsibility regarding local radiation safety requirements. These requirements are the customer's responsibility.*

**End of Support:** Varian may terminate the Agreement at the end of support of the Product that is the object of the Support Services by giving **twenty-four (24) months** written notice to the Customer. However, Varian may shorten this notice period in its sole discretion if termination is required due to key component obsolescence issues or material product quality concerns.

**Terms & Conditions of Sale**

**This offer is subject to credit approval and is exclusive of any applicable sales taxes or duties.**

**If Customer chooses to pay by credit card, a four percent (4%) service fee will be added.**

- 0% Down Payment
- 85% on Shipment
- 15% on Acceptance

**This order is contingent on Board Approval. Board Approval is expected on or before February 15th, 2014.**

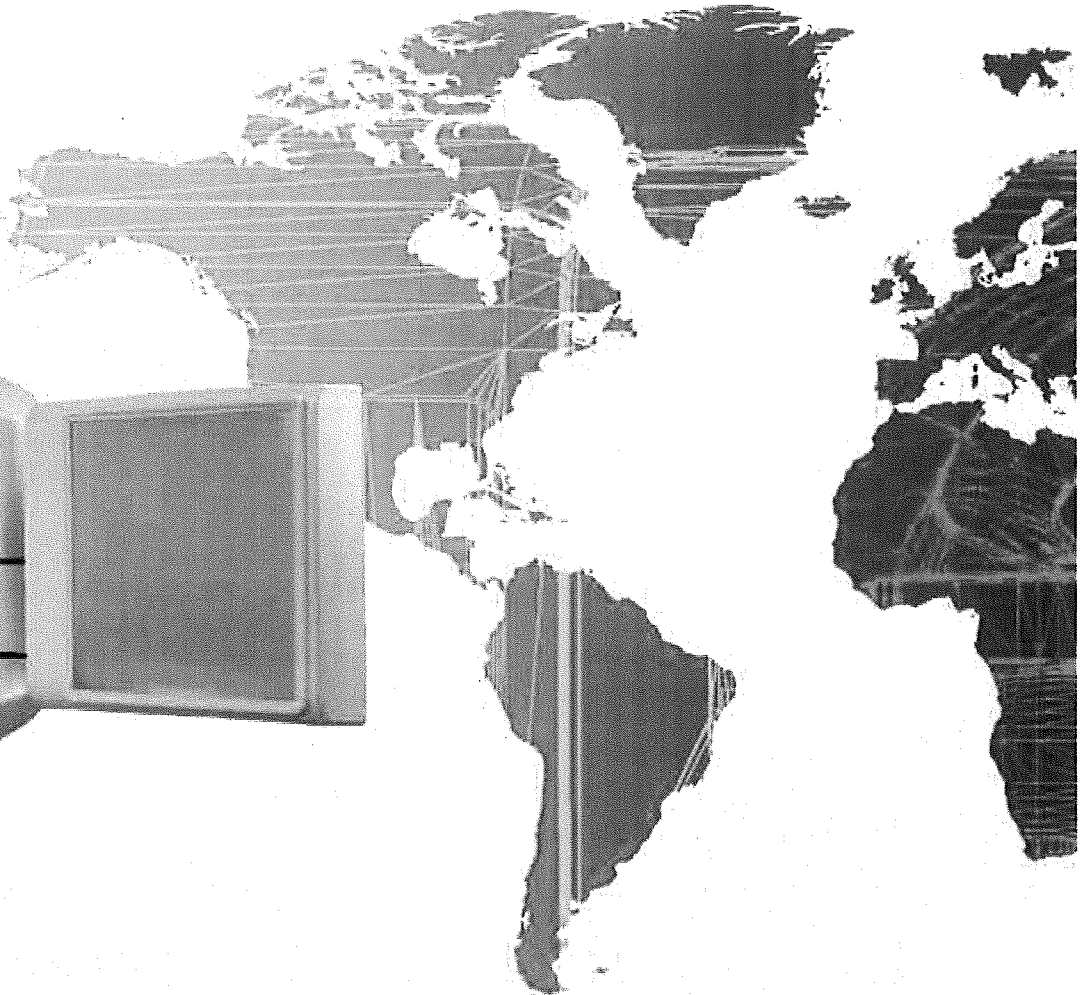
**FINANCING AVAILABLE:** For lease and finance plans, call Tony Susen, Director - Varian Customer Finance, at (508) 668-4609.

TRUEBEAM

VARIAN  
medical systems

THE TRUEBEAM SYSTEM







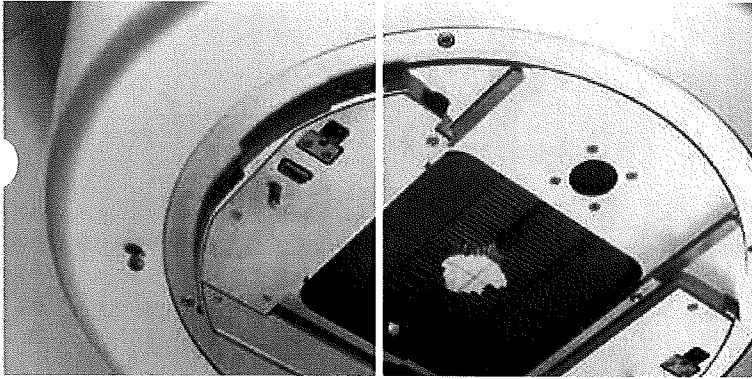
THE TRUEBEAM SYSTEM.  
BUILT BY VARIAN,  
INSPIRED BY OUR  
CUSTOMERS.

The TrueBeam™ system brings some of the most revolutionary thinking in cancer care into your clinic. This advanced technology offers a range of capabilities that turn leading research into integrated care. With these advances, you have more options for patients and more opportunities for your clinic.

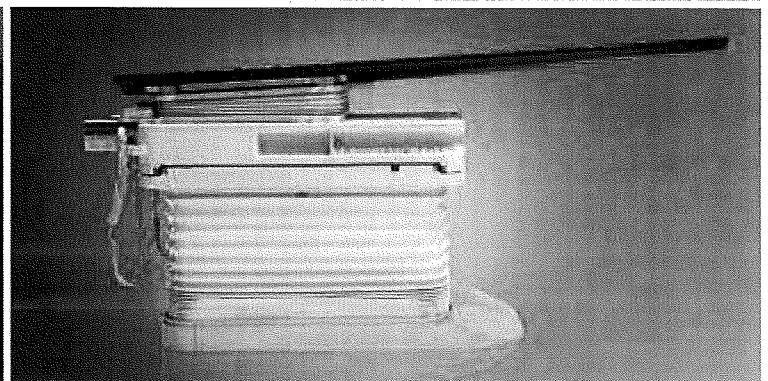
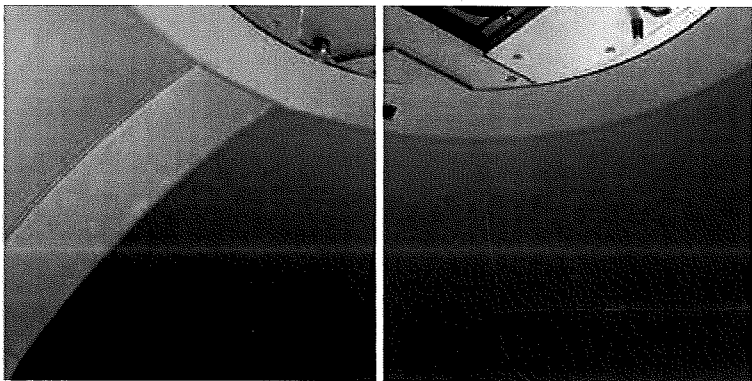
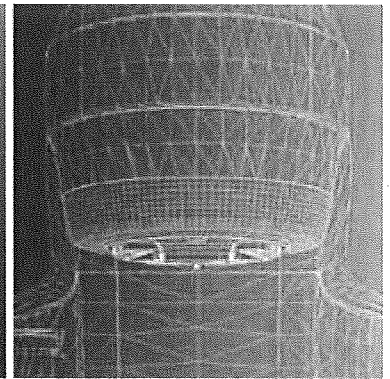
Such versatility is why the TrueBeam system has been adopted by top clinics around the world. With this rapid growth, TrueBeam and Varian Medical Systems can help position your clinic at the forefront of the global fight against cancer. We know where we're headed. Join us on the journey.

For Healthcare Professionals Only

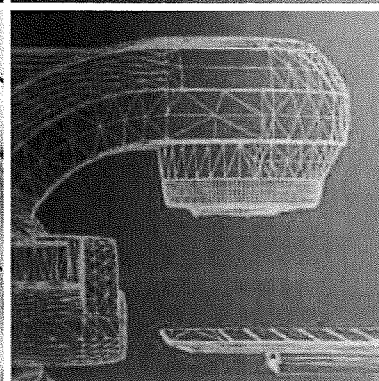
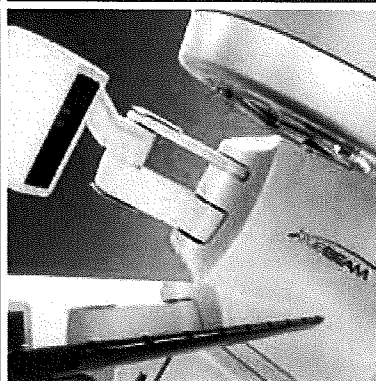
PROVEN AS A TECHNOLOGY.  
POSSIBILITIES AS A RESULT.



< **MULTILEAF  
COLLIMATOR**  
High definition  
120 MLC option for  
radiosurgery applications



**IMAGING >  
SYSTEM**  
Quality images at  
reduced dose



^ **PERFECTPITCH™  
6 DEGREES OF  
FREEDOM COUCH\***  
Patient positioning  
in 6-degrees for  
enhanced precision

\*510(k) pending.  
Not available for sale in all markets.

Expand your offerings with the system built to help you grow.

The TrueBeam system is designed to address complex clinical cases such as those in the lung, liver, head and neck, and more. TrueBeam integrates respiratory gating, real-time tracking, imaging and treatment delivery to create a streamlined system. With this integration, you can take advantage of the latest treatment techniques, including SBRT, SRS, RapidArc® and Gated RapidArc®.

Interface with multiple technologies for imaging and disease-specific solutions on the TrueBeam system's flexible open architecture. Integrate with the ARIA® oncology information system and the Eclipse™ treatment planning system to simplify planning and manage treatment workflows. Save time and condense tasks with automated, customizable sequences for treating complex cases. With this full spectrum of innovative tools, the TrueBeam system puts current advances in your hands.

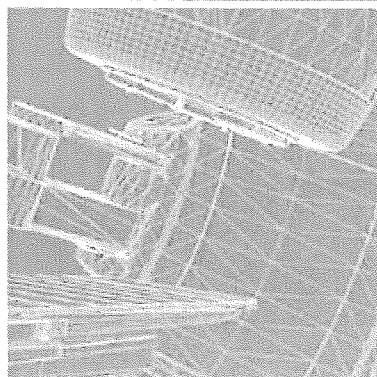
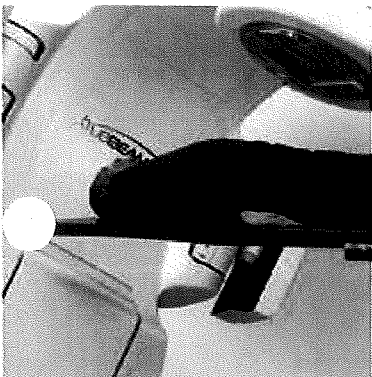
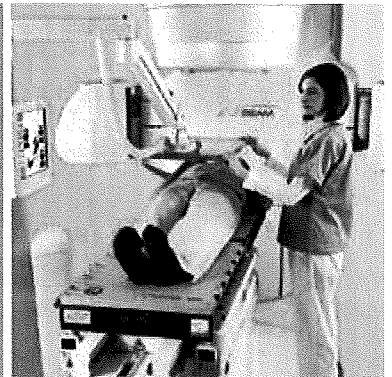
**REMOTE >  
OPERATION**

Advanced capabilities with a simple interface



**VARIAN CALYPSO® >  
SYSTEM FOR  
PROSTATE**

Real-time tracking to enhance tumor targeting during radiation treatment

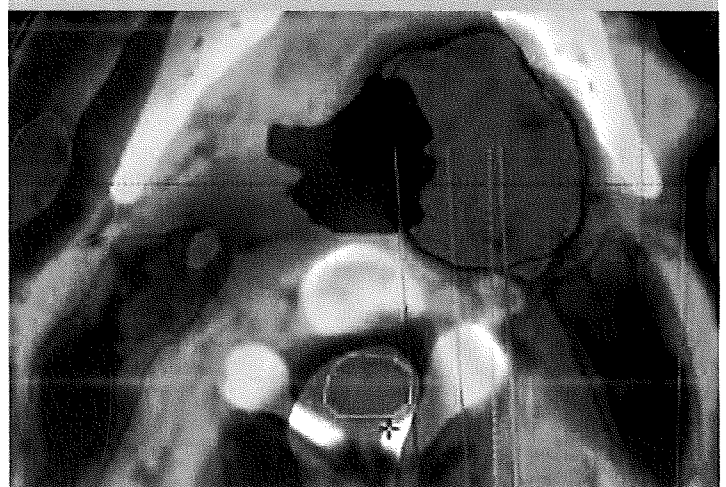
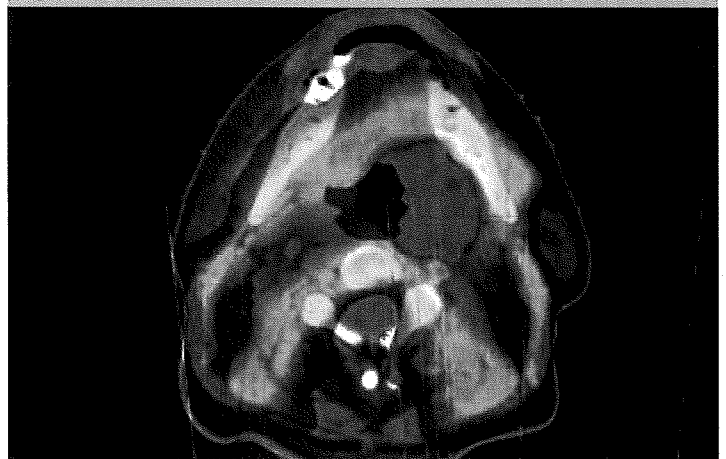


## MORE OPTIONS FOR DIFFICULT CASES MEAN MORE OPTIONS FOR YOUR PATIENT.

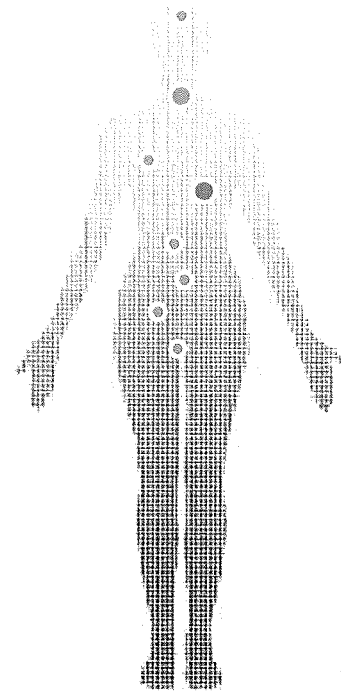
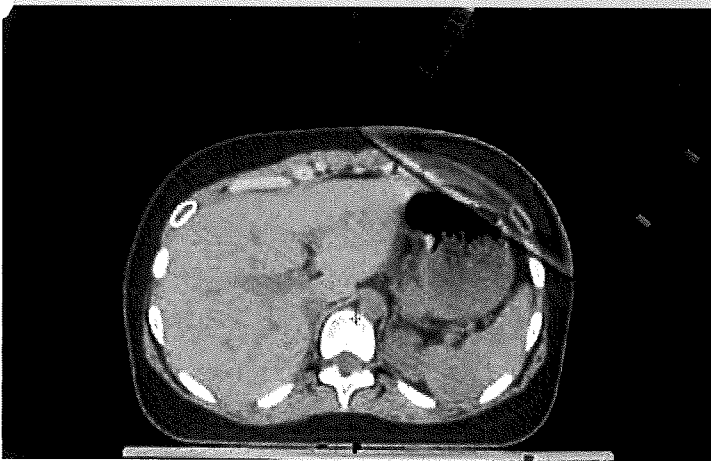
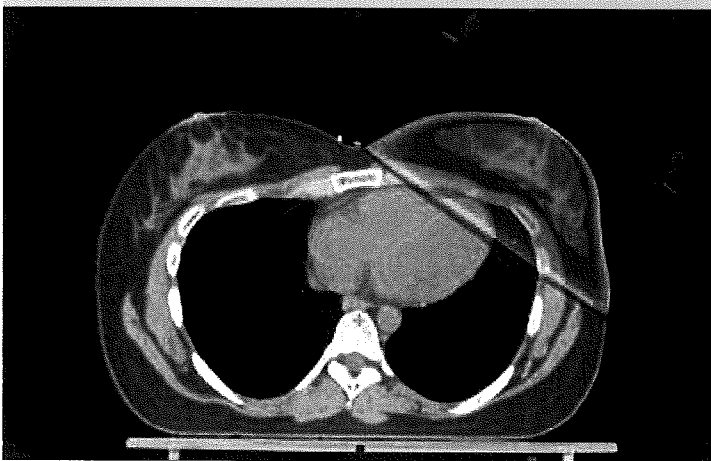
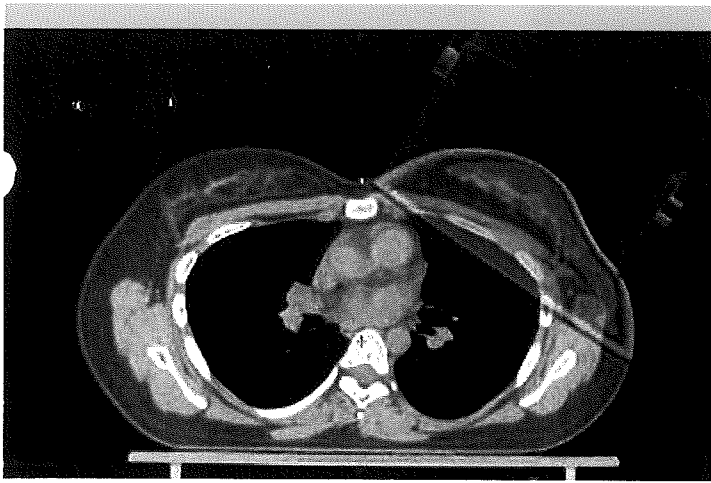
Address a wide variety of cancer cases, even challenging ones, with the TrueBeam system. Areas located in close proximity to critical structures or significant changes in anatomy during the course of treatment can make difficult targets for clinicians. See how the TrueBeam system addresses the technical challenges of these four common cancer types.

### HEAD AND NECK

- Multiple arcs, partial arcs or a combination can be planned and seamlessly delivered using RapidArc radiotherapy technology
- A range of diagnostic imaging studies can be introduced in treatment planning to assist in accurate contouring of the target
- The real-time control system synchronizes and choreographs all elements of delivery 10 times per second
- Imaging hardware and software allow capture of high-quality cone-beam CT images with lower concomitant dose
- Integration of SmartAdapt™ deformable registration algorithms provide a convenient means for clinicians to account for anatomical changes during the course of treatment







## BREAST

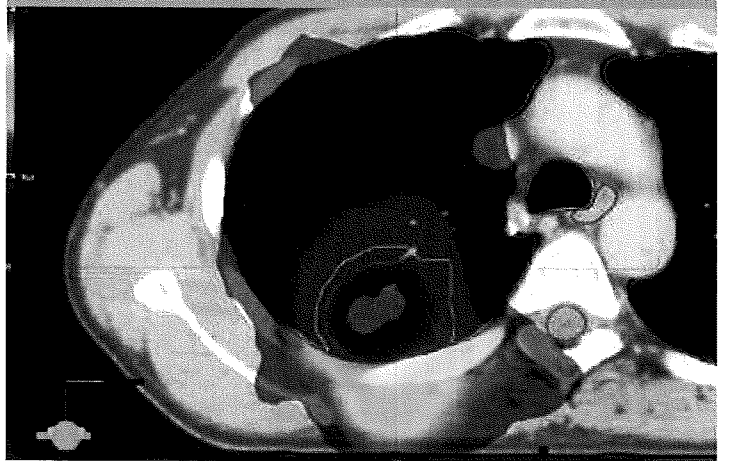
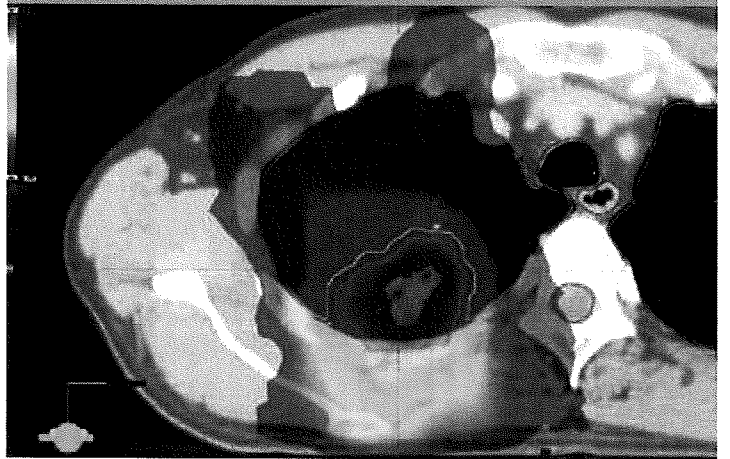
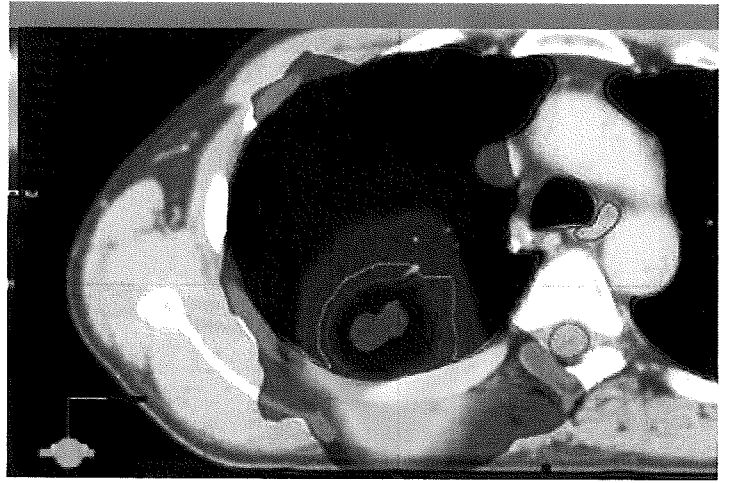
- IMRT tools such as field-in-field help create treatment plans designed to minimize radiation exposure of the heart and healthy lung tissue
- Treat patients in the prone position using the Pivotal™ treatment solution for prone breast care to help minimize dose to critical structures such as the heart and lung
- Use Varian Calypso® technology and the Surface Beacon® Transponder for real-time deep inspiration breath hold to help ensure accuracy
- Integration of technologies such as real-time beam gating on a respiratory trigger can allow the reduction of treatment margins when compared to a full ITV-based treatment

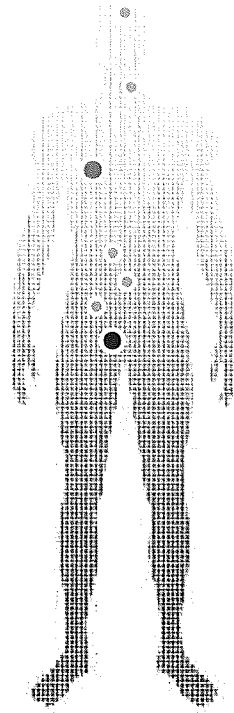
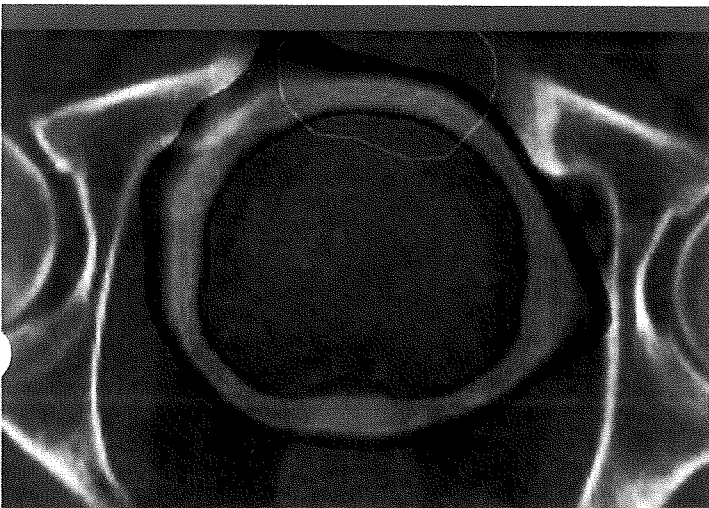
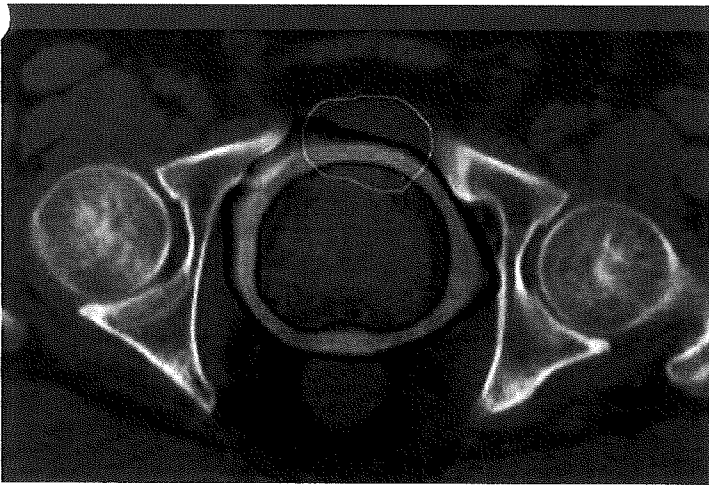
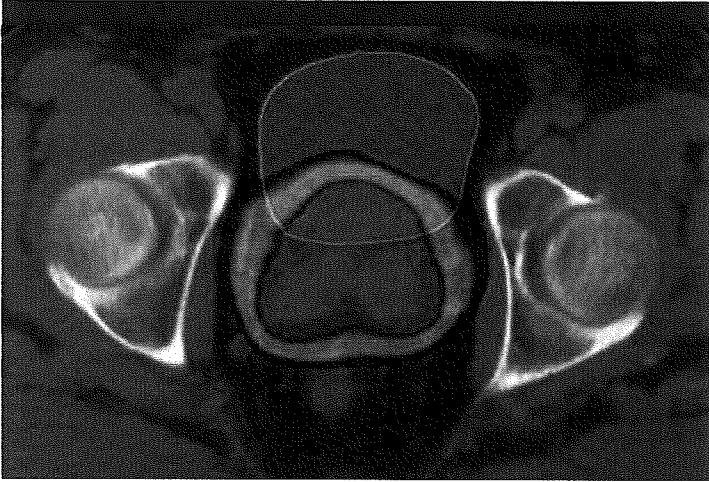
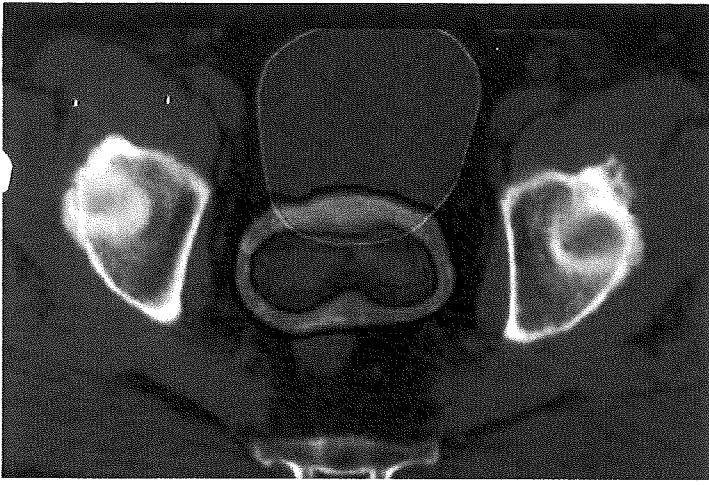
# VERSATILE TECHNOLOGIES FOR VERSATILE TREATMENTS.

A breadth of technology provides versatility for treatments throughout the body.

## LUNG

- To reduce discrepancies between planned dose and delivered dose, Varian's Acuros® XB algorithm provides Monte Carlo equivalent dose calculations
- Contour propagation, intermediate dose calculation and a fine calculation grid all contribute to create an efficient and desired treatment plan
- Respiratory gating allows the reduction of irradiated volumes when compared with large ITV-based approaches
- Fluoroscopic, KV, MV and CBCT, along with the capability to mix and match from the menu of imaging possibilities, allow clinicians to tailor treatment delivery
- 2400 MU/minute, the highest dose rate in the industry, allows rapid delivery of large fractions

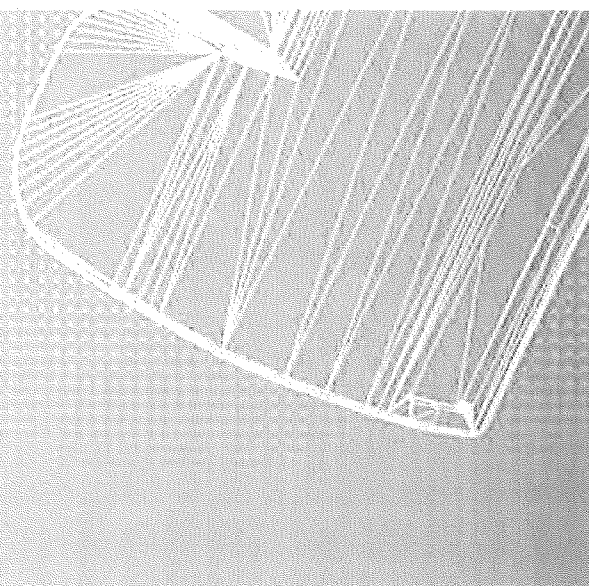




## PROSTATE

- Using SmartSegmentation™ knowledge-based contouring, physicians can take advantage of built-in expert cases, or create their own expert cases to standardize treatment across the institution
- Deliver treatment with speed and accuracy using RapidArc® radiotherapy technology and Eclipse™ treatment planning system
- Deliver fast hypofractionated prostate SBRT treatments using High Intensity Mode at 1400 MU/minute or 2400 MU/minute
- Track and correct, in real time, prostate drift and sporadic motion with Varian Calypso® technology for prostate

FIND MORE PATHS  
TO TREATMENT  
AND MORE PATHS  
TO GROWTH.



#### **INNOVATIVE. INTELLIGENT. INTUITIVE.**

Medicine does not advance on its own. We pursued revolutionary thinking, innovative technology and the insights of our customers to arrive at this impressively intelligent solution. With the TrueBeam system, your clinic now has the tools to initiate a wide spectrum of advanced treatment options for specific disease sites.

#### **ARCHITECTURE & MAESTRO**

**Dynamic performance for speed and efficiency**

Behind the scenes of the TrueBeam system's advanced performance lies Maestro—a groundbreaking control system. Maestro conducts the TrueBeam system by directing, synchronizing and monitoring all of the system's fully integrated, functional components or "nodes." Maestro's sophisticated orchestration of dose, motion and imaging reflects each of the system's moving parts, making treatment fast and efficient. Open up new possibilities for image-guided and motion-managed treatment techniques with this innovative architecture. The TrueBeam system's design also supports SmartConnect® technology, an on-demand remote support feature that allows your Varian service or helpdesk representative to provide immediate, real-time desktop sharing.

#### **BEAM GENERATION**

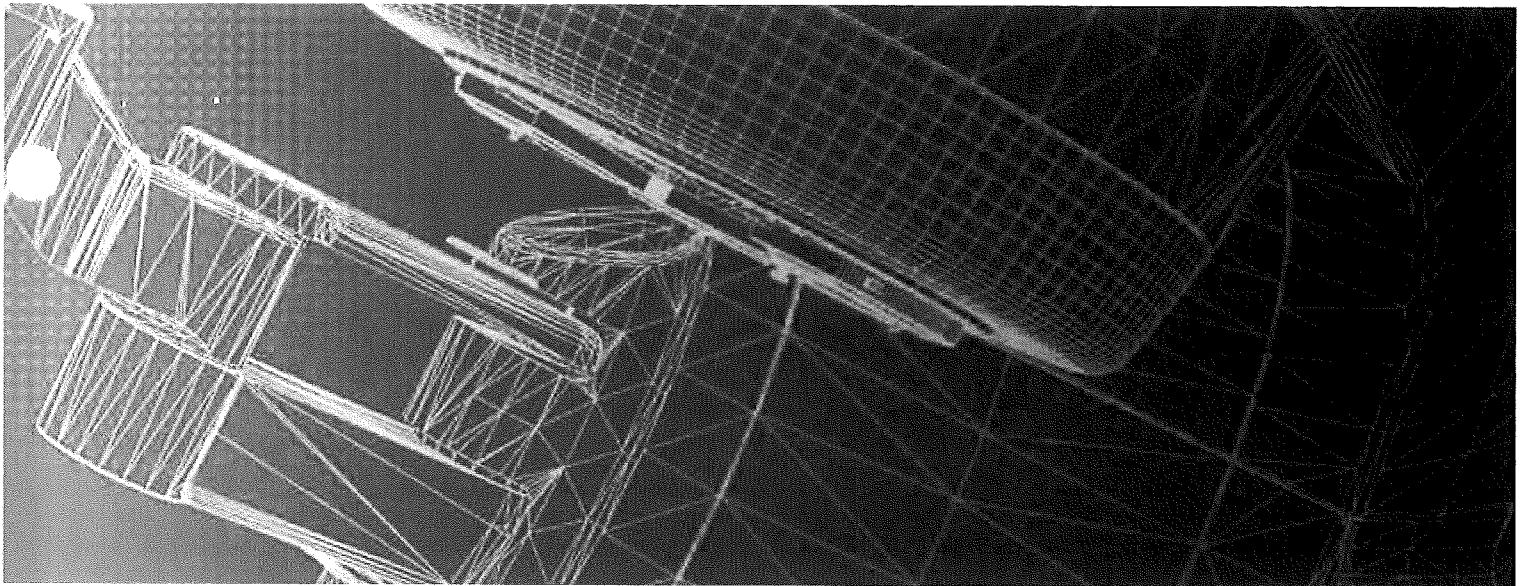
**Exceptional performance and technology without compromise**

At the heart of the TrueBeam system is a beam generation technology that's patented and unique. This beam generation system can be configured with zero to eight electron energies and up to seven photon energies, including two High-Intensity Modes for stereotactic radiosurgery and hypofractionated stereotactic body radiotherapy treatments. You can now better tailor radiation treatment programs with the advanced versatility found in the TrueBeam system.

#### **IMAGING**

**A treatment range so generous, it includes space to breathe**

The TrueBeam system opens the door to leading edge treatment with advanced positioning and real-time tracking solutions—including a full range of innovative and powerful imaging tools. Generate quality images without compromise through lower dose imaging. Create customized imaging protocols to enable faster, easier imaging with intelligent automation. Gated RapidArc® technology allows you to monitor patient breathing and compensate for tumor motion while quickly delivering dosage. The powerful imaging technologies in the TrueBeam system are an ideal complement to its integrated gating and motion-management system. With such a supportive system, you can image and treat with confidence.



### **DEVELOPER MODE**

Turn possibilities into action

The Developer Mode option allows a broad range of experimentation in a non-clinical environment. This expanded access is designed to give clinicians and physicists an efficient and effective means to innovate with new treatment and imaging techniques in a research mode. Advanced manipulation of mechanical and dose axes puts the dynamic beam, imaging and gating features of the TrueBeam system at your fingertips.\*

\* Developer Mode is not for use on humans. Treatment decisions should not be made based on data derived from Developer Mode.

### **SAFETY AND SPEED**

Simple automated operation

Visual cues built into the TrueBeam system provide an intuitive operating environment and can help to enhance safety and reduce operation times. For instance, buttons on the controls light up in the correct order to guide the operator through each step. Built-in layers of safety have been added throughout the system, including a Collision Avoidance function to help avoid problems. As an added safeguard, the system automatically performs accuracy checks every ten milliseconds, throughout the entire treatment. And at the control console, you can visually monitor your patient using Safewatch, the CCT camera system. With these design improvements, the therapist can focus even more on the patient.

### **PROSTATE AND LUNG SOLUTION**

Real-time motion tracking for real-life results

The Varian Calypso® system for prostate provides accurate and precise real-time tracking to keep the radiation focused on the tumor, minimizing exposure to healthy tissue. It utilizes internal transponders that can detect even a slight movement of the target, so you can keep the tumor in the path of the radiation beam. With the Calypso system, you can confidently treat with tighter margins. This can help reduce some potential side effects, escalate dose to improve disease control or accelerate treatments with SABR.

For lung cancer treatment, the Varian Calypso® system for lung\* is designed to help address the ongoing challenge of precisely targeting the tumor as it moves due to respiration. Using the Calypso system, it may provide continuous internal target monitoring by utilizing internal transponders to signal the beam to shut off until the tumor is back in the target area, thereby minimizing exposure to surrounding healthy tissue.

\* 510(k) pending — not available for sale in all markets.

### **6 DEGREES OF FREEDOM COUCH**

Experience more freedom in patient setups

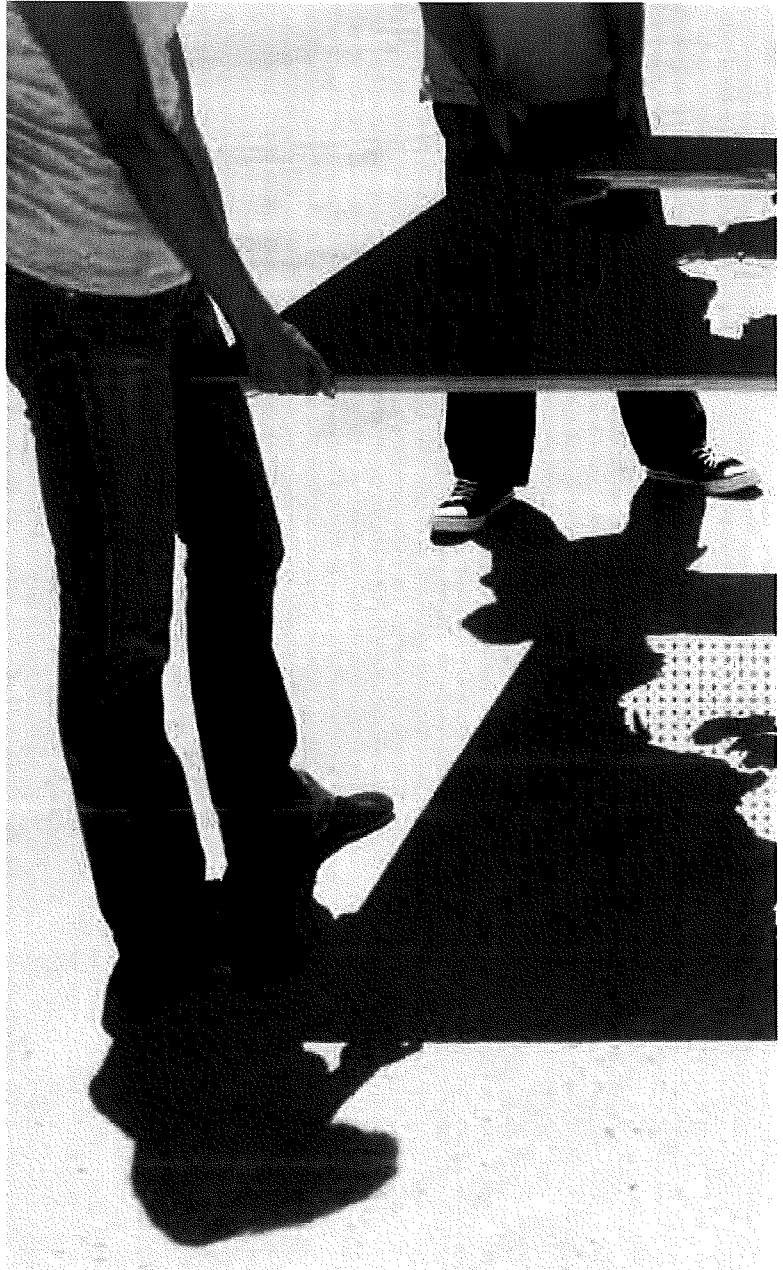
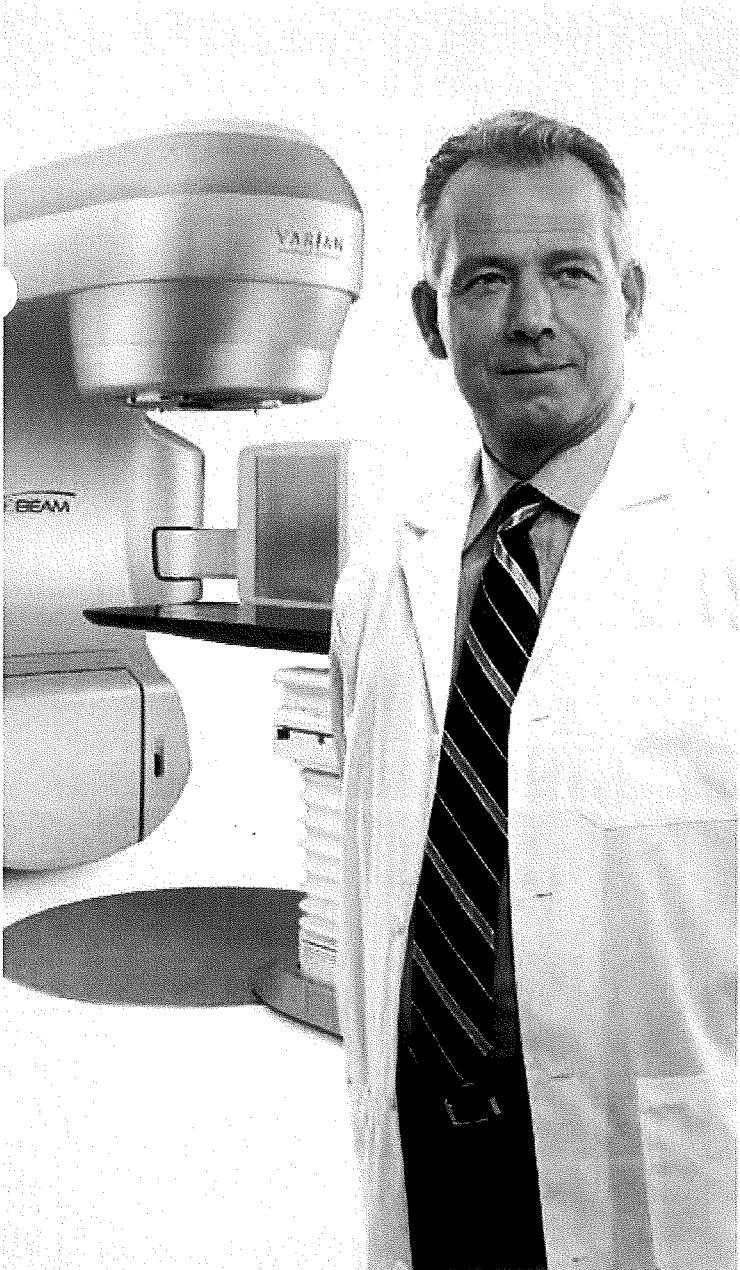
The new PerfectPitch™ 6 Degrees of Freedom Couch\* is designed to advance patient positioning during radiotherapy and radiosurgery procedures by providing two additional rotational motion axes: pitch and roll. This patient positioning option may enable enhanced accurate target positioning and precise beam delivery and may reduce treatment margins in select clinical cases.

\* 510(k) pending — not available for sale in all markets.

## BROADEN YOUR FUTURE IN CANCER CARE.

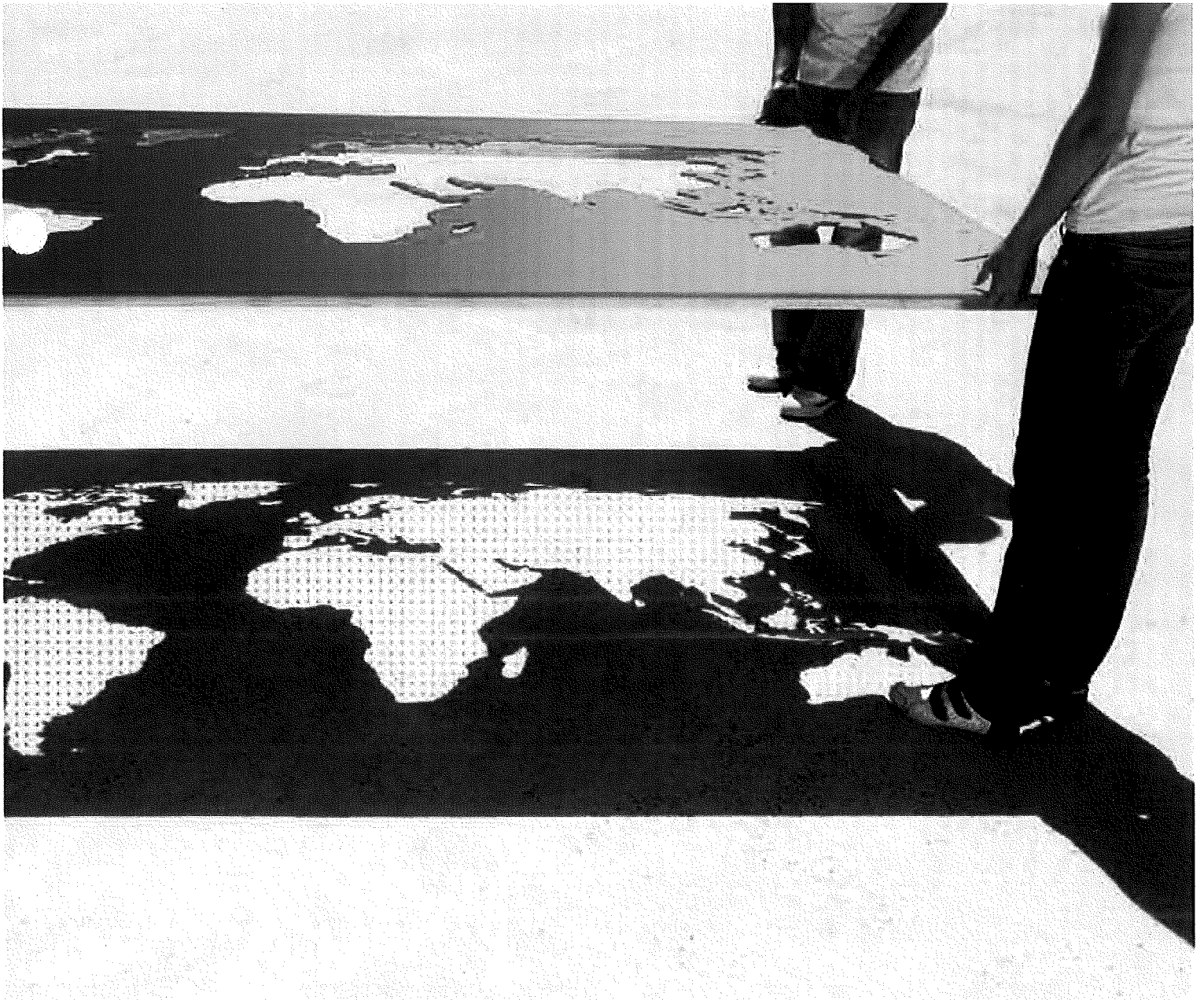
You can have improved workflow and clinical processes, plus the technology to enable precise treatments that take only minutes. Take a revolutionary step in cancer care, one that moves you forward in your commitment to the future.

With TrueBeam, your clinic is ready tomorrow and beyond.



**IMAGINE A WORLD WITHOUT THE FEAR OF CANCER.**

Varian Medical Systems has been a pioneer in the field of oncology for over 60 years. During this time, we introduced innovative treatment techniques, equipment and software that have been used to treat tens of thousands of cancer patients worldwide. Today we offer products and services to advance the entire treatment process. Our work creates a community for those affected by cancer, so we can unite around our common goal to fight this disease.



# SELECTED SPECIFICATIONS

## OUTPUT ENERGIES

X-ray (MV)	4, 6, 8, 10, 15, 18, 20
High intensity mode	6X, 10X
Maximum output dose rates	4 MV at 250 MU/min; all others at 600 MU/min 6X HI at 1400 MU/min; 10X HI at 2400 MU/min
Electron (MeV)	6, 9, 12, 15, 16, 18, 20, 22
HDTSE	6 HDTSE, 9 HDTSE
Maximum output dose rates	1000 MU/min HDTSE Energies at 2500 MU/min

## MECHANICAL PERFORMANCE

Gantry and collimator isocenter accuracy	$\leq 0.5$ mm radius
Gantry, collimator and couch isocenter accuracy	$\leq 0.75$ mm radius
Gantry rotational accuracy	$\leq 0.3$ degrees

## IMAGING OPTIONS

kV range	40 - 140 kV
mAs range	0.1 - 1000 mAs
Modes	kV planar, kV CBCT, fluoroscopic imaging
Pixel matrix	2048 x 1536 1024 x 768

## CBCT

Field of view	0 - 25 cm (head scans); 0 - 46 cm (body scans)
Slice thickness	1 mm - 5 mm in 0.5 mm increments; 10 mm

## MULTILEAF COLLIMATOR

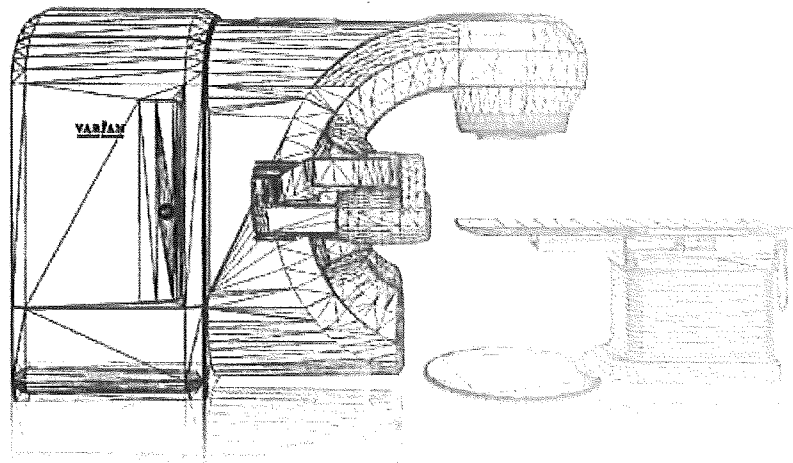
### Millennium™ 120 Leaf MLC

Center	5 mm width x 40 pairs
Peripheral	10 mm width x 20 pairs
Maximum static field size	40 cm x 40 cm

### High Definition 120 Leaf MLC

Center	2.5 mm width x 32 pairs
Peripheral	5 mm width x 28 pairs
Maximum static field size	40 cm x 22 cm





**USA Headquarters**

California Tel: 650.424.5700 varian.com/truebeam  
 Varian Medical Systems 800.544.4636  
 Palo Alto, CA Fax: 650.493.5637

**USA Regional Offices**

**California**  
 Varian Medical Systems  
 Corona, CA  
 Tel: 951.280.4401

**Georgia**  
 Varian Medical Systems  
 Marietta, GA  
 Tel: 770.955.1367

**EMEA, CIS and India Headquarters**

**Switzerland**  
 Varian Medical Systems  
 International AG  
 Zug, Switzerland  
 Tel: 41.41.749.88.44

**Austria**  
 Varian Medical Systems  
 Gesellschaft m.b.H.  
 Brunn am Gebirge, Austria  
 Tel: 43.1.698.56.56

**Belgium**  
 Varian Medical Systems  
 Belgium N.V./S.A.  
 Diegem, Belgium  
 Tel: 32.2.720.10.08

**Finland**  
 Varian Medical Systems  
 Finland Oy  
 Helsinki, Finland  
 Tel: 358.9.430.771

**France**  
 Varian Medical Systems  
 France  
 Buc, France  
 Tel: 33.1.30.83.83.83

**Germany**  
 Varian Medical Systems  
 Deutschland GmbH  
 Darmstadt, Germany  
 Tel: 49.61.51.7313.0

**India**  
 Varian Medical Systems  
 India Pvt Ltd.  
 Mumbai, India  
 Tel: 91.22.6785.2252

Varian Medical Systems  
 India Pvt Ltd.  
 Chennai Branch, India  
 Tel: 91.44.4900.5000

Varian Medical Systems  
 India Pvt Ltd.  
 Delhi Branch, India  
 Tel: 91.11.4316.2102

**Italy**  
 Varian Medical Systems  
 Italia, S.p.A.  
 Milano, Italy  
 Tel: 39.02.921.351

**Hungary**  
 Varian Medical Systems  
 Hungary Kft  
 Budapest, Hungary  
 Tel: 36.30.398.0734

**The Netherlands**  
 Varian Medical Systems  
 Nederland B.V.  
 Houten, The Netherlands  
 Tel: 31.30.634.0506

**Russia**  
 Varian Medical Systems  
 (RUS) LLC  
 Moscow, Russia  
 Tel: 7.495.604.44.23/24

**Scandinavia**  
 Varian Medical Systems  
 Scandinavia A/S  
 Herlev, Denmark  
 Tel: 45.44.500.100

**Spain**  
 Varian Medical Systems  
 Ibérica, S.L.  
 Madrid, Spain  
 Tel: 34.91.33.44.800

**United Kingdom /Ireland**  
 Varian Medical Systems  
 UK Ltd.  
 Crawley, UK  
 Tel: 44.1293.601.200

**Asian Headquarters**  
**Hong Kong**  
 Varian Medical Systems  
 Pacific, Inc.  
 Kowloon, Hong Kong  
 Tel: 85.22.724.2836

**China**  
 Varian Medical Systems  
 China Ltd.  
 Beijing, China  
 Tel: 86.10.8785.8960

**Japan**  
 Varian Medical Systems K.K.  
 Chuo-ku, Tokyo, Japan  
 Tel: 81.3.4486.5010

**Australian Headquarters**  
**Australia**  
 Varian Medical Systems  
 Australasia Pty Ltd.  
 Sydney, Australia  
 Tel: 61.2.9485.0111

**Latin American Headquarters**  
**Brasil**  
 Varian Medical Systems  
 Brasil Ltda.  
 São Paulo, Brasil  
 Tel: 55.11.3457.2655

# Attachment C

**PROPOSED TOTAL CAPITAL COST OF PROJECT**

**Project name:** 2554269 CMC LCI Replacement Linear Accelerator

**Provider/Company:** DesignStrategies, PLLC

**A. Site Costs**

(1) Full purchase price of land			
Acres	Price per Acre	\$	
(2) Closing costs			
(3) Site Inspection and Survey			
(4) Legal fees and subsoil investigation			
(5) Site Preparation Costs			
Soil Borings			
Clearing-Earthwork			
Fine Grade for Slab			
Roads-Paving			
Concrete Sidewalks			
Water and Sewer			
Footing Excavation			
Footing Backfill			
Termite Treatment			
Other (Specify)			
Sub-Total Site Preparation Costs			
(6) Other (Specify)			
(7) <b>Sub-Total Site Costs</b>			<b>\$0</b>

**B. Construction Contract**

(8) Cost of Materials			
General Requirements		<u>Included</u>	
Concrete/Masonry		<u>Included</u>	
Woods/Doors & Windows/Finishes		<u>Included</u>	
Thermal & Moisture Protection		<u>Included</u>	
Equipment/Specialty Items		<u>Included</u>	
Mechanical/Electrical		<u>Included</u>	
Other (Specify)		<u>Included</u>	
Sub-total Cost of Materials			<u>Included</u>
(9) Cost of Labor (Included above)			<u>Included</u>
(10) Other (Specify)			
(11) <b>Sub-Total Construction Contract</b>			<b>\$1,470,676</b>

**C. Miscellaneous Project Costs**

(12) Building Purchase			<u>NA</u>
(13) Fixed Equipment Purchase/Lease			<u>\$3,941,982</u>
(14) Movable Equipment Purchase/Lease			<u>\$25,021</u>
(15) Furniture			<u>\$6,500</u>
(16) Landscaping			<u>NA</u>
(17) Consultant Fees			
Architect and Engineering Fees		<u>\$118,000</u>	
Legal Fees		<u>\$50,000</u>	
Market Analysis		<u>NA</u>	
Other (Specify)		<u>\$157,973</u>	
Other (Abatement)		<u>NA</u>	
Sub-Total Consultant Fees			<u>\$325,973</u>
(18) Financing Costs (e.g., Bond, Loan, etc.)			<u>\$0</u>
(19) Interest During Construction			<u>\$0</u>
(20) Other (Contingency)			<u>\$,229,848</u>
(21) <b>Sub-Total Miscellaneous</b>			<b><u>\$4,529,324</u></b>
(22) <b>Total Capital Cost of Project (Sum A-C above)</b>			<b><u>\$6,000,000</u></b>

Attachment 4 - **PROPOSED TOTAL CAPITAL COST OF PROJECT**

**Project Name:**

**Provider/Company:**

*I certify that, to the best of my knowledge, the above construction related costs of the proposed project named above are complete and correct.*

*Michelle Whitaker*  
\_\_\_\_\_  
*(Signature of Licensed Architect or Engineer)*



**Radiotherapy Simulators & Accelerators**

*Quality Service, Parts & Equipment Sales*  
[www.rs-a-inc.com](http://www.rs-a-inc.com)

## *Notice of Resell Intent*

---

To whom it may concern,

This letter hereby confirms that RS&A Inc. will be deinstalling and removing a Varian 600CL from Carolinas Medical Center - Main in Charlotte, NC. This machine will be transported to our facility in Rural Hall, North Carolina and will not under any circumstances be resold within North Carolina.

Regards,

A handwritten signature in black ink, appearing to read 'Kenneth C. Wolff', written over a horizontal line.

Kenneth C. Wolff, CEO  
RS&A, Inc.

**DEPENDABILITY *Breeds* CONFIDENCE**

465 Forum Parkway - Rural Hall, NC 27045-8927  
Phone: 336-969-0583 / 800-320-4332 Fax: 336-969-0584

# Attachment D

## Attachment D - EQUIPMENT COMPARISON

*Carolinas Medical Center: Linear Accelerator Replacement*

	Existing Equipment	Replacement Equipment
Type of Equipment (List each component)	Linear Accelerator	Linear Accelerator
Manufacturer of Equipment	Varian	Varian
Tesla Rating for MRIs	N/A	N/A
Model Number	Clinac 600C	TrueBeam
Serial Number	427	Serial Number Assigned upon installation
Provider's Method of Identifying Equipment	Serial number	System ID 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	12/1996	Estimated June 2014
Does Provider Hold Title to Equipment or Have a Capital Lease?	Title	Title
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.) <Use Attached Form>	\$500,000	\$6,000,000
Total Cost of Equipment	\$481,860	\$3,941,982
Fair Market Value of Equipment	\$10,000	\$3,941,982
Net Purchase Price of Equipment	\$481,860	\$3,941,982
Locations Where Operated	Carolinas Medical Center (3 <sup>rd</sup> floor)	Carolinas Medical Center, Levine Cancer Institute
Number Days in Use/To Be Used in N.C. per Year	365 days	365 days
Percent of Change in Patient Charges (by procedure)	0	0
Percent of Change in Per Procedure Operating Expenses (by procedure)	0	0
Type of Procedures Currently Performed on Existing Equipment	Radiation Therapy	
Type of Procedures New Equipment is Capable of Performing		Radiation Therapy



# INVOICE

**varian**  
**ONCOLOGY SYSTEMS**  
 3045 HANOVER STREET M/S H047  
 PALO ALTO, CA 94304-1129  
 (415) 424-4571

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INVOICE NO.	7252
INVOICE DATE	MAR 7, 1997
P.O. NO.	C00210482
P.O. DATE	
CUSTOMER NO.	032826
SALES ORDER NO.	4953CL1

PAYMENT TERMS		CONTRACT PRICE	
5%	DUE WITH ORDER		24,093.00
85%	DUE UPON SHIPMENT		409,581.00
10%	DUE UPON ACCEPTANCE		48,186.00
MACHINE ACCEPTED 2/12/97			
TOTAL OF PREVIOUS INVOICES: \$433,674.00		<b>TOTAL CONTRACT</b>	<b>\$481,860.00</b>

SHIPPING INFORMATION	
MODEL CL600C, 6MV	DATE DEC 24, 1996
SERIAL NO. 427	FOB ORIGIN
	METHOD ALLIED

CURRENT INVOICE	
DOWN PAYMENT	
SHIPMENT	
ACCEPTANCE	48,186.00
FREIGHT	
STORAGE & INSURANCE	
OTHER	
TAX ( _____ % of _____ )	
<b>TOTAL INVOICE AMOUNT</b>	<b>\$48,186.00</b>

**REMIT TO: VARIAN ONCOLOGY SYSTEMS**  
**DEPARTMENT 70140**  
**CHICAGO, IL 60673**

(PLEASE ATTACH COPY OF INVOICE WITH REMITTANCE)

FED I.D. NO. 94-2359345

Date : 1/27/97  
 Time : 15:18

CAROLINAS HEALTHCARE SYSTEM  
 PURCHASE ORDER

Page : 2  
 MPO202-4.0.064

Vendor: 115456 VARIAN ONCOLOGY SYSTEMS

-----  
PO Nbr: C00210482

Comments: FREIGHT AND INSURANCE  
 PORT FILM GRATICULE  
 VIDEOD SPLITTER BOARD AND CABLES  
 STANDARD RIGGING AND UTILITY CONNECTION  
 TRADE IN FOR EXISTING CLINAC 6/100 (\$85000.00)  
 CREDIT FOR EXISTING BASEFRAME (\$8240.00)

EQUIPMENT IS TO BE DELIVERED JANUARY 25TH, 1997. PER  
 GAIL SATTERFIELD, RICHARD KLEIN IN RADIATION ONCOLOGY WILL  
 SUPERVISE INSTALLMENT.

Line	Item	Catalog Nbr	Class	Due Date	Ord	Unit Price			
Nbr	Type	Manufacturer Nbr	Expense	Contract #	Recd	Extension			
Nbr	Description	Project Code	Cost Req	Nbr	Buyer	Taxes			
1	C	41823 CLINAC 600C	600C	1183400-00	0	1/25/97	EACH	1	481,860.0000
			1	CMC PLANT AND EQUIP	9000		CER	0	481,860.0000
					0	SR0002326		0	0.0000

Comments: QUOTE #WMM-033-97 ATTN: GENICE JOHNSON

SEE MASTER COMMENTS FOR DETAIL LISTING OF QUOTE

PAGE PURCHASES	481,860.0000
TAXES	0.0000
TOTAL TAXES	0.0000
GRAND TOTAL	481,860.0000

Authorization \_\_\_\_\_



**RADIOACTIVE MATERIALS BRANCH  
RADIATION PROTECTION SECTION  
N. C. DEPARTMENT OF HEALTH AND HUMAN SERVICES**

**RADIOACTIVE MATERIALS LICENSE**

Pursuant to North Carolina Regulations for Protection Against Radiation and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer, and import the accelerator(s) listed below; and use such accelerator(s) for the purpose(s) and at the place(s) designated below. This License is subject to all applicable rules and regulations of the North Carolina Radiation Protection Section now and hereafter in effect and to any conditions specified below.

<b>1. License Name:</b> Carolinas Medical Center <b>2a. Mailing Address:</b> PO Box 32861 Charlotte, NC 28232 <b>b. Physical Address:</b> 1000 Blythe Blvd Charlotte, NC 28203  <b>c. Radiation Safety Officer:</b> Elizabeth Franklin	<b>3. License No:</b> 060-0014-A1  <b>4. Expiration Date:</b> April 30, 2014  <b>Application Type:</b> Amendment Application  <b>5. a. Amendment No.:</b> 52 <b>b. Issuance Date:</b> July 29, 2013	<b>License Type</b> 00900
--	--	------------------------------

6. Manufacturer and Type of Unit(s)	7. Maximum Energy (MeV)	8. Number of Units and Exposure Rate in R per minute at One Meter
A. Varian 600-C	A. Photon: 6MeV	A. 1.00 Unit(s): 400.00 R/min
B. Varian Trilogy	B. Photon: 15MeV Electron: 20MeV	B. 1.00 Unit(s): 1,000.00 R/min
C. Varian Novalis Tx	C. Photon: 15MeV Electron: 20MeV	C. 1.00 Unit(s): 1,000.00 R/min

- 9. Authorized Use:**
- A. To be used for the treatment of malignant and some benign disease in humans.
  - B. To be used for the treatment of malignant and some benign disease in humans.
  - C. To be used for the treatment of malignant and some benign disease in humans.

**CONDITIONS**

- 10. The authorized place of use is the licensee's address stated in Item 2b. above.
- 11. The licensee shall comply with the provisions of 15A NCAC 11 .0900 "Requirements for Particle Accelerators," 15A NCAC 11 .1600 "Standards for Protection Against Radiation," and 15A NCAC 11 .1000 "Notices, Instructions, Reports and Inspections." (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11.)
- 12. A. The Authorized Medical Physicists [15A NCAC 11. 0318(a)] for activities authorized under this license shall be
 

Jim Gasiser PhD	Doug Frank MS
Jackie Walker MS	Dennis Duggan
Serpil Wilson MS	George Sherouse PhD
- B. The accelerator(s) listed above (15A NCAC 11. 0117(a) and Subpart H of 10 CFR 35 uses) shall be used by:
 

Roshan Prabhu MD	Roger Anderson MD
William Bobo MD	Stuart Burri
Jerome Butler Jr., MD	Arthur Chaney MD
Anthony Crimaldi MD	Robert Doline MD
Robert Fraser MD	Derek McHaffie MD
Gregory Mitro MD	Michael Raake MD
Scott Lankford MD	Mark Liang
John Konefel MD	Bradley McCall MD
Robert McCammon MD	L. Scott McGinnis MD

**WITHHOLD FROM PUBLIC DISCLOSURE UNDER N.C.G.S. 104E-9(a)(4) EXCEPT TO INDIVIDUALS WITH A NEED TO KNOW**



RADIATION PROTECTION

RADIOACTIVE MATERIALS BRANCH  
RADIATION PROTECTION SECTION  
N. C. DEPARTMENT OF HEALTH AND HUMAN SERVICES

RADIOACTIVE MATERIALS LICENSE

Benjamin Moeller MD  
Steven Plunkett MD  
Cathy Seymore MD  
Thomas Trautmann MD  
Dean Gant MD

Heather Pacholke MD  
Kevin Roof MD  
Vipul Thakkar MD  
William Warlick MD  
Donna Girard MD

- C. The Radiation Safety Officer for the activities authorized by this license shall be Elizabeth Franklin .
13. For a period not to exceed 60 days in any calendar year, a visiting physician **Authorized User (AU)** or Authorized Medical Physicist (AMP) is authorized to use the radioactive material under the terms of this license provided the physician or physicist:
- A. Has prior written permission of the hospital administrator and its Radiation Safety Committee; and
  - B. Is specifically named as an **AU or AMP on a license authorized by 15A NCAC 11 .0300**, another Agreement State license, a US NRC license authorizing use, or is registered as a Qualified Expert with the State of North Carolina pursuant to 15A NCAC 11 .0205; and
  - C. Performs only those procedures for which specifically authorized by a license listed in 13. B. above.
14. Prior to the initiation of a program, radiation surveys and tests shall be performed in accordance with the following:
- A. A radiation survey shall be made of all areas adjacent to the room with the accelerator in operation. The surveys shall be performed with a phantom in the primary beam of radiation and shall clearly establish:
    - i. that radiation levels in restricted areas are not likely to cause personnel exposure in excess of the limits specified in 15A NCAC 11.1604; and
    - ii. that quantities of radiation in unrestricted areas do not exceed the limits specified in 15A NCAC 11.1611.
  - B. Tests shall be made to determine proper operation of the electrical interlocks on entrance doors to the room.
  - C. Any changes in room shielding, location, or use of the accelerator which could result in an increase in radiation levels in unrestricted areas outside the room and made subsequent to the completion of the initial radiation survey shall be re-evaluated by a radiation survey.
  - D. A report of the results of the above surveys and tests shall be sent to the **Radioactive Materials Branch, Radiation Protection Section, 1645 Mail Service, Raleigh, NC 27699-1645.**
15. The licensee is authorized to possess, use and transfer the Uranium contained as shielding material in the accelerator unit(s) authorized by this license.
16. The licensee shall annually review its Radiation Protection Program for content and implementation [Ref. 15A NCAC 11 .1603(c)]. Documentation of the Radiation Protection Program reviews shall be retained for inspection by the agency [Ref. 15A NCAC 11 .1636]
17. The licensee shall institute the provisions of 15A NCAC 11 .1610 when an occupationally exposed woman voluntarily informs her supervisor, in writing, of her pregnancy and the estimated date of conception.
18. The licensee shall ensure that no individual "member of the public" [Ref. 15A NCAC 11 .0104(81)] receives a radiation dose in excess of the limits specified in 15A NCAC 11 .1611(a) while conducting licensed activities.
19. Neither this license nor any subsequent amendments shall be deemed to constitute compliance with the requirements for health planning review contained in the Certificate of Need Statute, G.S. 131-175 *et seq.*, and regulations promulgated pursuant to that statute. Inquiries concerning the Certificate of Need Statute should be addressed to the Certificate of Need Section of the Division of Health Service Regulation at (919) 855-3873.
20. This license may be subject to amendment, revision, modification, suspension, or revocation in accordance with the provisions of 15A NCAC 11 .0344.



RADIOACTIVE MATERIALS BRANCH  
RADIATION PROTECTION SECTION  
N. C. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Page 3 of 3  
License No.: 060-0014-A1

RADIOACTIVE MATERIALS LICENSE

21. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6., 7., and 8. of this license in accordance with statements, representations and procedures and attachments listed below. The *North Carolina Regulations for Protection Against Radiation* shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application with attachments dated March 4, 2009, signed by Joseph Bowers, Vice President with letter with attachments dated March 11, 2009, signed by Elizabeth Franklin, MS, RSO and electronic mail attachment received March 31, 2009.
  - B. Application with attachments dated June 9, 2009, signed by Elizabeth Franklin, MS, RSO, and an Administrative Amendment to implement several minor revisions.
  - C. Application for amendment with attachments dated August 13, and signed by Elizabeth Franklin, MS, RSO.
  - D. Application for amendment with attachments dated October 27, 2009, signed by Elizabeth Franklin, MS, RSO.
  - E. Application for amendment with attachments dated December 24, 2009, signed by Elizabeth Franklin, MS, RSO.
  - F. Application for amendment with attachments dated February 15, 2010, signed by Elizabeth Franklin, MS, RSO.
  - G. Application for amendment with attachments dated June 17, 2011, signed by Elizabeth Franklin, MS, RSO.
  - H. Application for amendment with attachments dated July 9, 2013, and signed by Elizabeth Franklin, MS, RSO.

For: W. Lee Cox, III

Chief, Radiation Protection Section

## Monthly - Sessions Treated per In/Out Patient Status

Number of Sessions Treated from 1/1/2013 to 11/30/2013 (Report run by gsatte02)		InPatient	OutPatient	Report Total	
Carolinas Medical Center	C-600C	2013 January	35	45	80
		2013 February	38	45	83
		2013 March	69	45	114
		2013 April	38	22	60
		2013 May	73	23	96
		2013 June	13	56	69
		2013 July	59	61	120
		2013 August	39	55	94
		2013 September	5	59	64
		2013 October	29	67	96
		2013 November	44	95	139
		<b>Machine Total</b>	<b>442</b>	<b>573</b>	<b>1015</b>
	<b>Hospital Total</b>	<b>442</b>	<b>573</b>	<b>1015</b>	
<b>Report Total</b>		<b>442</b>	<b>573</b>	<b>1015</b>	



# Carolinan HealthCare System

Received by  
the CON Section  
JAN 15 2014

Edward J. Brown III  
Chairman

Michael C. Tarwater, FACHE  
Chief Executive Officer

January 14, 2014

Joseph G. Piemont  
President & COO

Ms. Fatimah Wilson, Project Analyst  
Certificate of Need Section  
Division of Health Service Regulation  
N.C. Department of Health and Human Services  
809 Ruggles Drive  
Raleigh, NC 27603

RE: Information Request for Exemption Pursuant to G.S. 131E-184(f), Carolinas Medical Center/Acquisition of Replacement Linear Accelerator/Mecklenburg County

Dear Ms. Wilson:

In response to your December 18, 2013 request for additional information, Carolinas Medical Center (CMC) provides the following response:

1. A copy of the health service facility's current license. *Please see Attachment 1 to this letter.*
2. A copy of the certificate of need for the equipment proposed to be replaced. *See #3 below.*
3. If no certificate of need was issued for the equipment proposed to be replaced, provide documentation that a certificate of need was not required when the equipment proposed to be replaced was initially acquired. . *See page 3, Section C. No Certificate of Need Needed for Equipment Being Replaced of the December 11<sup>th</sup> request.*
4. Documentation that the equipment proposed to be replaced is currently in use. See the definition of "replacement equipment" in G.S. 131E-176(22a) and the rule at 10 NCAC 14C .0303. *See Attachment D of the December 11<sup>th</sup> request.*
5. Documentation that the equipment proposed to be replaced will be sold or otherwise disposed of once the proposed replacement equipment is installed and operational. See the definition of "replacement equipment" in G.S. 131E-176(22a) and the rule at 10 NCAC 14C .0303. *See Attachment C of the December 11<sup>th</sup> request.*

6. Documentation that the proposed replacement equipment is comparable to the equipment proposed to be replaced. See the definition of "replacement equipment" in G.S. 131E-176(22a) and the rule at 10 NCAC 14C .0303. *See page 3, Section D. Comparable Equipment of the December 11<sup>th</sup> request.*
7. Documentation that clinical patient services are provided at the site where the equipment proposed to be replaced is currently located. *Clinical patient services are provided at the main campus of CMC, which is where the Existing Unit is located. Please see Attachment A of the December 11<sup>th</sup> request.*
8. Documentation that financial control of the entire licensed health service facility is exercised at the site where the equipment proposed to be replaced is currently located. *Financial control of CMC is exercised from the main campus of CMC, which is where the Existing Unit is located. Please see Attachment A of the December 11<sup>th</sup> request.*
9. Documentation that administrative control of the entire licensed health service facility is exercised at the site where the equipment proposed to be replaced is currently located. *Administrative control of CMC is exercised from the main campus of CMC, which is where the Existing Unit is located. Please see Attachment A of the December 11<sup>th</sup> request.*
10. The street address for the site where the equipment proposed to be replaced is currently located. *1000 Blythe Boulevard, Charlotte, NC 28203*
11. The building name and number where the equipment proposed to be replaced is currently located. *The existing equipment is located on the third floor of Carolinas Medical Center. Please see Attachment A of the December 11<sup>th</sup> request.*
12. The room number where the equipment proposed to be replaced is currently located. *CMC 3<sup>rd</sup> floor, K wing (not room number is assigned)*
13. A floor plan drawn to scale showing the location of the equipment proposed to be replaced. *Please see Attachment A of the December 11<sup>th</sup> request.*
14. A site plan drawn to scale identifying the building where the equipment proposed to be replaced is currently located. *Please see Attachment A of the December 11<sup>th</sup> request.*
15. If the site where the equipment proposed to be replaced consists of multiple buildings, identify which of those buildings is the main building on the site plan. *CMC is the main building. Please see Attachment A of the December 11<sup>th</sup> request.*
16. If the equipment proposed to be replaced is located in a building that is not strictly contiguous to the main building, provide documentation that the main building is located within 250 yards of the building where the equipment is currently located. *The existing*

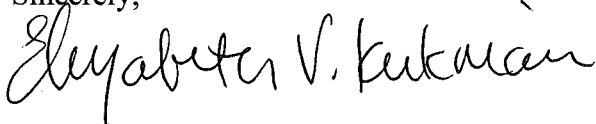


*equipment is located in the main building, CMC. Please see Attachment A of the December 11<sup>th</sup> request.*

17. The street address of the site where the proposed replacement equipment will be located. *1021 Morehead Medical Drive, Charlotte, NC 28203*
18. The building name and number where the proposed replacement equipment will be located. *Levine Cancer Institute (LCI), Please see Attachment A of the December 11<sup>th</sup> request.*
19. The room number where the proposed replacement equipment will be located. *LCI, room# 1510*
20. A floor plan drawn to scale showing the location of the proposed replacement equipment. *Please see Attachment A of the December 11<sup>th</sup> request.*
21. A site plan drawn to scale identifying the building where the proposed replacement equipment will be located. *Please see Attachment A of the December 11<sup>th</sup> request.*
22. If the site where the proposed replacement equipment will be located consists of multiple buildings, identify which of those buildings is the main building on the site plan. *CMC is the main building. Please see Attachment A of the December 11<sup>th</sup> request.*
23. If the proposed replacement equipment will be located in a building that is not strictly contiguous to the main building, provide documentation that the main building is located within 250 yards of the building where the proposed replacement equipment will be located. *The proposed replacement equipment will be located in the Levine Cancer Institute (LCI) building which is 496 feet from CMC, the main building. Thus, LCI is within 250 yards of the main building.*

If you have further questions, please contact me. Thank you for your consideration.

Sincerely,



Elizabeth V. Kirkman  
Assistant Vice President  
CHS Management Company  
Attachment

cc: F. Del Murphy, Jr., CHS  
Michael Lutes, CMC-Union

# Attachment 1

# State of North Carolina

## Department of Health and Human Services Division of Health Service Regulation

*Effective January 01, 2014, this license is issued to  
The Charlotte-Mecklenburg Hospital Authority*

*to operate a hospital known as  
Carolinas Medical Center/Center for Mental Health  
located in Charlotte, North Carolina, Mecklenburg County.*

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

*Facility ID: 943070*

*License Number: H0071*

***Bed Capacity: 1066***

*General Acute 976, Rehabilitation 13, Psych 66, Substance Abuse 11,*

**Dedicated Inpatient Surgical Operating Rooms: 10**

**Dedicated Ambulatory Surgical Operating Rooms: 11**

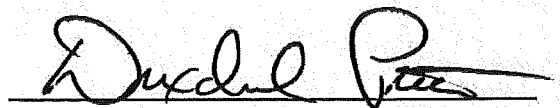
**Shared Surgical Operating Rooms: 26**

**Dedicated Endoscopy Rooms: 9**

Authorized by:



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



Director, Division of Health Service Regulation

**Wilson, Fatimah**

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**From:** Kirkman, Elizabeth [Elizabeth.Kirkman@carolinashealthcare.org]

**Sent:** Thursday, March 13, 2014 3:17 PM

**To:** Wilson, Fatimah

**Subject:** Request for documentation

Fatimah,

In response to your request that we provide documentation that administrative and financial control of CMC is exercised at the site where the equipment proposed to be replaced is currently located, we submit the following:

**CMC Linac Replacement**

The proposed replacement equipment will be located in the Levine Cancer Institute building on the main campus of Carolinas Medical Center (496 feet from the main hospital building). The main hospital building from which Carolinas Medical Center exercises financial and administrative control over Carolinas Medical Center services is located at 1000 Blythe Boulevard, Charlotte, NC 28203 (see Attachment A of the December 11<sup>th</sup> request for a site plan). Carolinas Medical Center's President's office is located on the second floor of the main hospital building.

**CMC PET/CT Replacement**

The proposed replacement equipment will be located in the Morehead Medical Plaza building on the main campus of Carolinas Medical Center (327 feet from the main hospital building). The main hospital building from which Carolinas Medical Center exercises financial and administrative control over Carolinas Medical Center services is located at 1000 Blythe Boulevard, Charlotte, NC 28203 (see Exhibit 8 of the February 5<sup>th</sup> request for a site plan). Carolinas Medical Center's President's office is located on the second floor of the main hospital building.

If you need any further information, please let me know.

Thanks,  
Elizabeth

Elizabeth V. Kirkman  
Assistant Vice President

*CHS Management Company*  
**Carolinas HealthCare System**  
704-446-8475 Office  
704-780-6503 Cell  
[Elizabeth.kirkman@carolinashealthcare.org](mailto:Elizabeth.kirkman@carolinashealthcare.org)  
2709 Water Ridge Parkway, Charlotte, NC 28217

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3/13/2014