Request No. EQR2025-005
Date Received
Received By tml

STATE HEALTH PLANNING AND DEVELOPMENT AGENCY

100 NORTH UNION STREET, SUITE 870MONTGOMERY,
ALABAMA 36104

RECEIVED
Aug 06 2025
STATE HEALTH PLANNING AND DEVELOPMENT AGENCY

REQUEST FOR DETERMINATION OF EXEMPTION STATUS FOR REPLACEMENT OF EXISTING EQUIPMENT

A filing fee in the amount of $10,141.61 has been submitted with this application.

Requestor Identification (Check one)

☑ Hospital ☐ Nursing Home ☐ Other (Specify) _____

A. HH Health System - Marshall, LLC d/b/a Marshall Medical Centers
Name of Requestor

101 Sivley Road	Huntsville	Madison
Address	City	County
Alabama	35801	256-265-1000
State	Zip	Phone Number

B. Marshall Cancer Care Center
Name of Facility/Organization (if different from A)

11491 U.S. Highway 431	Albertville	Marshall
Address	City	County
Alabama	35950	256-894-6750
State	Zip	Phone Number

C. The Health Care Authority of the City of Huntsville (sole member of Requestor)
Name of Legal Owner (if different from A or B)

101 Sivley Road	Huntsville	Madison
Address	City	County
Alabama	35801	256-265-1000
State	Zip	Phone Number

D. Bill Smith, Executive Director Support Services
Name and Title of Person Representing Proposal and With Whom SHPDA Should Communicate

8000 Alabama Highway 69	Guntersville	Marshall
Address	City	County
Alabama	35976	256-571-8849
State	Zip	Phone Number

DESCRIPTION OF EQUIPMENT TO BE REPLACED	DESCRIPTION OF PROPOSED NEW EQUIPMENT
A. Manufacturer:	
Varian Medical	Varian Medical
B. Serial Number:	
295738-0001-01	To be determined upon delivery
C. Model:	
Trilogy (Clinac)	TrueBeam
D. Name of Equipment:	
Linear Accelerator	Linear Accelerator

E. Fair Market Value of Equipment at Present:

Trade in value of $75,000.00.

E. Cost of Equipment (include written price quote):

$4,131,645.00 (cost before trade-in; quote attached)

F. Describe Use of Current Equipment:

The current linear accelerator is used to deliver radiation treatment to various cancers with the use of electron therapy.

G. Describe Use of Proposed Equipment:

Will be the same use as current equipment.

H. List any attachments or additional procedures associated with this new equipment not performed by old equipment:

None

H. Can any procedures be performed with the proposed new equipment that cannot be performed with the replaced equipment? If yes, describe in detail:

None

I. Location of Existing Equipment (Include Room Number):

Marshall Cancer Care Center
11491 U.S. Highway 431
Albertville, Alabama 35950
Radiation Treatment Vault, First Floor

J. List specially trained or qualified Personnel necessary for operation of equipment:

Certified Radiation Therapist

K. What use will be made of old equipment when replaced? (Trade in on new equipment, used as back up, parts, etc.)

The existing linear accelerator will be taken out of service and traded-in for the new linear accelerator.

L. List job titles of any additional Personnel that will be required to operate the new equipment.

No new job titles needed with the new equipment

M. Describe any renovation or new construction that will be necessary for the installation of the replacement equipment and cost.

Minor renovations to accommodate the new linear accelerator. This is estimated to be less than $50,000

N. Describe any new annual operating cost associated with this project such as maintenance contracts, salaries of new employees hired due to equipment, etc.

Maintenance contracts -- $343,222.60 annually as long as the maintenance service is continued.
No new employees will be required.

COST

A. Equipment Costs — $ 4,131,645.00
Cost of equipment ONLY; do not list lease cost.
(Costs must be supported by price quote on manufacturer's stationary/letterhead).

B. Less Trade-In of Old Equipment — -$ 75,000.00

C. Total Cost of Equipment — $ 4,056,645.00

Calculation of fee for this Determination:

Multiply dollar amount in COST section (C. Total Cost of Equipment) by one percent (1%) (the application fee for a Certificate of Need);

- Non-Rural Hospitals:
  Twenty percent (20%) of the calculation obtained above.
- Rural Hospitals:
  Twenty-five percent (25%) of the calculation obtained above.

Include manufacturer's literature on old equipment, if available, and on the new equipment.

Include any other information pertinent to the determination.

The Executive Director may request any other information which is relevant to their decision.

CERTIFICATION

I certify that the information provided herein is true and correct and that there is no additional information which would be pertinent to this application which has not been provided. Further, I understand that any misrepresentation on this application or failure to include relevant information may void any favorable determination secured by such misrepresentation or omission.

Signature of Applicant

WR SMITH
Printed Name of Applicant

EXE DIR of SUPPORT SERV
Title of Applicant

Sworn to and subscribed before me this
25th day of July, 2025.

Laura Knott
Notary Public (SEAL)

My Commission Expires 01-17-2027

[illegible]

[illegible]

Ex: [illegible] SER

RECEIVED
EQR2025-005 Aug 18 2025
STATE HEALTH PLANNING AND DEVELOPMENT AGENCY

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Varian Medical Systems
3100 Hansen Way
Palo Alto, CA 94304
650.493.4000
800.544.4636
varian.com

June 15, 2023

Dear Traci Stewart,

Over the past several decades, Clinac® radiotherapy systems have served the radiotherapy community well, earning a reputation for quality and reliability. However, due to component obsolescence and accelerating advances in technology, it has become necessary to discontinue support on devices installed on or before December 31, 2013. End of Support will be effective on May 1, 2025. This affects your Clinac **[H295738]**

This decision was driven by several factors including:

- Cybersecurity threats, which have become one of the top 5 trends in medical devices. Microsoft issued End of Life (EOL) notices for several operating systems. Because clinacs were built on these operating systems, they are more vulnerable to intrusions.
- Microsoft security patches and upgrades from other 3rd party vendors will no longer be compatible with Clinac infrastructure.
- Component obsolescence from sub-vendors impacts the ability to provide ongoing service.

Standard support for your Clinac will continue to be available through May 1, 2025, subject to replacement part availability. Prior to May 1, 2025, your local service manager will contact you to discuss a transition to a Limited Support program.

Limited Support contracts will have no guarantee of renewal and are conditional on parts availability. Renewal potential will be determined annually, based on availability of parts and feasibility of continued support. While the precise scope and cost of a Limited Support program is determined based on individual customer circumstances and equipment, these programs have the following conditions:

- Commercially reasonable efforts will be used to maintain existing systems, given the global limited supply on replacement parts.
- No uptime guarantees will be offered.
- Varian will seek to continue, but cannot guarantee, onsite, remote, Help Desk, and training support.
- There will be no software or hardware upgrades, excluding mandatory safety actions. As a result, there will be no guarantees of linear accelerator compatibility or interoperability with other software programs including OIS and treatment planning system.

The window between the End of Support announcement and the effective End of Support date is designed to give your institution the opportunity to create a thoughtful replacement plan for their existing systems. Over the coming months, your local Varian representative **[Shawn McCoy]** will

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continue to work with you and your team to help create a fleet replacement plan to ensure minimum disruption to your clinic.

By signing the attached Return Response form, your institution acknowledges that you understand that your Clinac **[H295738]** will reach End of Support on May 1, 2025.

Thank you for your commitment to and trust in Varian. We look forward to continuing to collaborate with you as we work together to create a world without fear of cancer.

Sincerely,

Daniel Bilsky (May 2, 2023 08:34 PDT)

Daniel Bilsky
Sr. Product Manager, Foundation Products

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RETURN RESPONSE

Clinac End of Support

THIS FORM TO BE COMPLETED BY THE AUTHORIZED SIGNATORY AND VARIAN REPRESENTATIVE

Subject	Clinac End of Support
Affected Product	TRILOGY
Product Code Serial Number	H295738
Customer/Site	MARSHALL CANCER CARE CTR – ALBERTVILLE
Varian Functional Location ID	H-ALBERTVILLE -AL-US-001

I have received the Clinac End of Support letter and understand the Clinac system will reach end of support on May 1, 2025.

Customer Contact	Traci Stewart
Name of Authorized Signatory	
Authorized Signature	
Date	
Varian Representative Name	Shawn McCoy
Varian Representative Signature	
Date	

Docusign Envelope ID: 8A170DCE-BE4D-4320-BF49-98B0ED2089DD

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Custom System Proposal

Quotation Number - 2025-501532-4

Pricing offered requires a purchase order before March 31, 2025

Commissioning Report will be available to Marshal Cancer Care Center within 5 days of Completion

Looking further

*** Confidential - Proposal is intended for Recipient and Recipient's Site Representatives Only ***

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HH Health System-Marshall, LLC d/b/a Marshall Medical Centers ("Customer")	For and on behalf of Varian Medical Systems
Jeff Samz, CEO, Huntsville Hospital Health System 11491 US HIGHWAY 431 ALBERTVILLE Alabama 35950-0136 United States	Mike Frith District Sales Manager Northside Parkway Atlanta , GA 30327 United States of America Tel : 3374458413 Email : michael.frith@varian.com

*** Confidential - Proposal is intended for Recipient and Recipient's Site Representatives Only ***

Quote Information		
Quotation Number : 2025-501532-4	Quotation Date : February 25, 2025	Quotation Valid Until : March 31, 2025
Customer Requested Delivery Date : February 02, 2026		
Customer Procurement Contact Name : Needed		
Billing Plan	See Quote billing plan Summary on the following pages which is incorporated by reference	

Sales	
Incoterms : DPU Site Insured	Payment Terms : 30 days net
Sales PO Required : No	

Quotation Total
Quotation Total : US $4,056,645.00

Terms and Conditions

Products and Services: Customer's access to and use of the Products, Support Services and Services (except Software-as-a-Service or Subscription Services) as indicated in this Quotation are subject to and governed by: (a) the Varian Terms and Conditions of Sale (Form RAD 1652) at: https://varian.com/RAD1652V_US_EN_OCT_2024 and (b) any Schedules, Exhibits and/or additional terms (including third party terms) contained, attached, referenced or otherwise indicated in this Quotation. All terms and conditions provided in the website link listed in item (a) above are incorporated by reference and form part of the contract between Varian and Customer.
If there is a separate written agreement (e.g. master agreement) in effect between the parties that expressly provides for and governs the purchase and sale of the specific Products, Support Services, Services, Software-as-a-Service and/or Subscription Service set forth in this Quotation, such written agreement shall govern. Hard copies of the referenced terms and conditions and any additional terms indicated will be provided to Customer upon request.

For and on behalf of Customer	For and on behalf of Varian Medical Systems
Jeff Samz	
Authorized Representative : Jeff Samz, CEO, Huntsville Hospital Health System	Authorized Representative : Mike Frith
Title : CEO, Huntsville Hospital Health Systems	Title : District Sales Manager
Date : 3/31/2025	Date : March 17, 2025

Docusign Envelope ID: 8A170DCE-BE4D-4320-BF49-98B0ED2089DD

Billing Summary

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Sales Summary	
Value	Billing
0.00%	On Down Payment
90.00%	On Shipment
10.00%	On Acceptance
For orders equal or less than $100k, 100% upon shipment, net 30.	

Docusign Envelope ID: 8A170DCE-BE4D-4320-BF49-98B0ED2089DD

Quotation Summary

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Offered Products (Sales)	Offer Price
TrueBeam	US $3,362,174.00
RGSC	US $98,587.00
TPS Eclipse	US $217,974.00
Xmedius Fax	US $4,224.00
Docs2ehr	US $5,179.00
Interoperability	US $88,911.00
Enterprise Solutions	US $184,889.00
Physics	US $127,063.00
Advantage Credits	US $17,644.00
Adhoc	US $25,000.00
Adhoc	US $-75,000.00

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Item	Description	
1.0	**TrueBeam**	
	Offer Price : US$ 3,362,174.00	

1.1	**TrueBeam Base System 120 MLC**
	
	Treatment delivery system includes 120 leaf MLC with dual independent jaws, enhanced dynamic wedge, 6 MV X-ray treatment energy, 43 cm x 43 cm MV imager for radiographic, cine, and integrated imaging, Motion View CCTV camera system, treatment console with integrated audio and video systems, back pointer lasers, front pointer set, upper port film graticule to support basic quality assurance, and drum phantom for Machine Performance Check (MPC).
	Features:
	• Basic X-Ray treatment delivery technique package, including Static Photon, Photon Arc, and Dynamic Conformal Arc treatment delivery techniques
	• Intensity Modulated Radiotherapy (IMRT) treatment technique, including large field IMRT
	• Total Body Treatment technique package
	• 2D MV Radiographic and Cine Image Acquisition, 2D/2D Radiographic Image Review and match, Cine image review
	• Relative Portal Dosimetry Image and Integrated Image Acquisition
	• Matching of 2D radiographs to 3D reference images
	• Online addition of kV and MV imaging protocols to treatment fields, with automated generation of reference images
	• Online Physician Approval of Images at Treatment Console (compatible with ARIA only)
	• Automated Machine Performance Check Testing, Online Machine Performance Check Review
	• Offline Machine Performance Check Review
	• Image only sessions
	• Unplanned Treatment Mode up to 5 fractions
	• Fraction number displayed on in-room monitor
	• Match environment layout for 2D/2D and 2D/3D layouts default to the 2-panel
	• Custom DRR templates that are created in Eclipse will be available on the TrueBeam Platform
	• Online access to a marketing kit that contains a broad range of advertising, educational, promotional, and public relations materials targeted to referring physicians, patients, and the media
	• Electronic Dynamic Wedges (EDW)
	• Large field IMRT
	Prerequisites:
	• ARIA oncology information system for radiation oncology v15.1 through v17.0, or ARIA OIS v18.0 or higher, or compatible third-party oncology information system
	• Eclipse treatment planning system v15.1 or higher, or compatible third-party treatment planning system
	• If third-party OIS:
	  • Authentication Server for third-party OIS (Hardware and Software) or
	  • Authentication Server for third-party OIS (Software only)
	Customer Responsibilities:
	• Verify compatibility with third-party oncology information systems if applicable
	• Verify compatibility with third-party treatment planning systems if applicable
	• If using a scale other than IEC 60601 or IEC 61217 in the rest of the department, it may be necessary to change scales on all other machines. This may require additional purchases.
	Notes:
	• Multiple patient name in Japan market is applicable for Kanji, Kana and Romaji characters to identify the patient
		1

1.2	**TrueBeam v4.1**	1
1.3	**15/16 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
1.4	**10/10 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
1.5	**6/6 MV (BJR 11/17)** 40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min.	1
1.6	**16 MeV, 0-1000 MU/Min**	1

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Item	Description	
	25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	
1.7	**12 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.8	**9 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.9	**6 MeV, 0-1000 MU/Min** 25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min.	1
1.10	**IGRT Couch Top** Image Guided RadioTherapy (IGRT) carbon fiber treatment couch top, free of metal or other radiation-opaque materials. **Features:** • Indexed Immobilization® for compatible accessories • Couch top interface for mounting patient immobilization and quality assurance devices at the head of the couch • Lock bar for indexed positioning of equipment or immobilization devices on the couch top • Handrail for couch positioning, with hooks for temporary pendant placement during patient set up	1
1.11	**PerfectPitch 6DoF Couch** The PerfectPitchTM 6-Degrees of Freedom couch system **Features:** • Image-based 6DoF patient positioning **Prerequisites:** • TrueBeam® v2.5 MR2 or higher • ARIA® oncology information system v11.1 MR1 (11.0.55) and ARIA radiation therapy management v11 MR3 (11.0.47) or higher or compatible third-party oncology information system **Customer Responsibilities:** • Verify compatibly of third-party oncology information system	1
1.12	**6X High Intensity Mode** 40 cm x 40 cm maximum field size, dose rate range 400-1400 MU/Min in 200 MU/min steps.	1
1.13	**Low-X Imaging Energy** Low-X imaging energy configuration, providing high soft tissue contrast when imaging in-line with the treatment beam.	1
1.14	**RapidArc Treatment Delivery** RapidArc® Treatment Delivery is a volumetric modulated arc treatment delivery technique. **Features:** • Simultaneous modulation of MLC aperture shape, beam dose rate, and gantry angle and rotation speed during beam delivery • Supports dynamic jaw tracking and collimator rotation with supporting treatment planning system **Prerequisites:** • 120 Multi Leaf Collimator or HD120™ Multi Leaf Collimator • Eclipse™ treatment planning system v11.0 or higher • RapidArc treatment planning license • Compatible server hardware and operating system. For detailed specifications, visit: www.varian.com/hardwarespecs	1
1.15	**kV Imaging System** kV Imaging system, providing 2D radiographic and fluoroscopic and 3D CBCT imaging capability	1

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Item	Description	
	Features: • kV CBCT image acquisition, review, and match to 3D reference image • Radiographic image acquisition, with 2D/2D and 2D/3D image matching to reference image • Fluoroscopic image acquisition, with structure overlay on fluoroscopic images. • kV CBCT image acquisition with a long field of view, provided by merging multiple indexed CBCT images online. **Prerequisites:** • ARIA oncology information system for radiation oncology v15.1 through v17.0, or ARIA OIS v18.0 or higher, or compatible third-party oncology information system • TrueBeam Platform v3.0 or higher **Customer Responsibilities:** • Verify compatibility with third-party oncology information systems if applicable	
1.16	**Advanced Resp Motion Management System** Advanced Respiratory Motion Management System is a stereoscopic optical system for managing patient respiration motion during treatment delivery and imaging. **Features:** • Stereoscopic optical imager, including marker block for tracking patient respiration motion • Respiratory gated treatment delivery • Respiratory gated MV image acquisition and online review, respiration synchronized cine image acquisition and online review • Respiratory gated kV image acquisition and online review, respiration synchronized fluoroscopic image acquisition and online review **Prerequisites:** • TrueBeam®, VitalBeam, or Edge v2.7 and higher • kV Imaging System	1

1.17	**VCD Option, couch mounted**
	
	Couch-mounted display system provides visual feedback to the patient for respiration stabilization or breath hold position during respiratory gated image acquisition or treatment delivery.
	
	Features:
	
	• 2 rechargeable batteries and charging system
	• Video interface for optional use of customer-provided video goggles
	• Wireless display system with adjustable count mount
	
	Prerequisites:
	
	• TrueBeam® v2.7 or higher
	• One of the following:
	  • Advanced Respiratory Motion Management System
	  • Basic Respiratory Motion Management System
	  • Respiratory Motion Management System
	  • Optical Imager
		1

1.18	**VCD w/Couch Mount - IGRT**	1
1.19	**Gated CBCT** Gated Cone-Beam Computed Tomography (CBCT) provides the ability to acquire CBCT images synchronized with patient respiration (free-breathing or breath hold). **Features:** • Gated CBCT Imaging License • Short Arc CBCT Imaging License: CBCT image acquisition using a 120-150-degree arc, image review, and image match to respiratory gated reference image. Short arc CBCT can be used for single breath hold CBCT data acquisition. **Prerequisites:**	1

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Item	Description	

	• TrueBeam®, VitalBeam, or Edge v2.7 or higher
	• One of the following:
	  • Advanced Respiratory Motion Management System
	  • Basic Respiratory Motion Management System
	• kV Imaging System	

1.20	**Main Circuit Breaker Panel** 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.	1
1.21	**Power Cond., 3phase 50KVA** Transtector 50KVA, 3-phase power conditioning unit, providing transient protection, line power regulation, and Input and Output circuit breakers for over-current protection. UL and IEC/CE certified. **Notes:** • Supports voltage configurations from 208 to 600 VAC and in 50 or 60 Hz for US and ROW applications.	1
1.22	**SuperFAST Installation - Existing Basefr** Accelerated 12-day installation of TrueBeam®, TrueBeam STx, VitalBeam™, or Edge® on existing base frame with prior system rigging and network availability. **Features:** • Completion of installation of all features required for commissioning readiness **Prerequisites:** • Recently ordered new system that has not yet been installed • Eclipse™ Treatment Planning System • 24/7 access to the facility • All items on pre-installation checklist complete • Customer agreement to scope of work **Notes:** • Varian will complete installation to a minimum of beam, collimator, and MV imaging system readiness for commissioning activities. • Varian will return within 30 days from completion of customer commissioning to complete installation and acceptance of all remaining items that were not required for system commissioning, including kV imaging, Rapid Arc, respiratory motion management system. • This service does not include additional construction or commissioning support.	1
1.23	**Supp. Phantom Kit** Supplemental imaging phantom kit for measuring resolution and contrast of kV and MV imaging systems. **Features:** • Leeds TOR 18FG phantom for measuring spatial resolution and contrast of kV imaging system • MV contrast phantom for measuring contrast performance of MV imaging system • Geometric phantom, mounted on IGRT couch top-compatible lock bar. Can be used for quality assurance of image guidance workflow. **Prerequisites:** • MV imaging system	1
1.24	**SRS Encompass IMB IGRT Couchtop** The SRS Encompass™ Immobilization package from Qfix™ is a dedicated SRS immobilization package specifically tailored for use with the IGRT couch top.	1

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Item	Description	
	Features: • Encompass Intracranial Standalone Device (quantity: 2) • Encompass mask system (quantity: 10) • Direct Indexing™ Adapter for Varian IGRT couch top (quantity: 1) • Locating bar (quantity: 1) **Prerequisites:** • IGRT couch top • TrueBeam® v2.0 and higher • VitalBeam® v2.5 (China only) and higher **Notes:** • Training will be provided by Qfix	
1.25	**NLS: English**	1
1.26	**Vertical LAP Apollo Green Room Laser Kit** LAP Apollo Green Room Laser Kit for patient alignment with Vertical Remote-Controlled Sagittal Line Laser. **Features:** • 1 Apollo Green Remote-controlled Ceiling Crosshair Laser • 2 Apollo Green Remote-controlled Lateral Crosshair Lasers • 1 Apollo Green Vertical Remote-Controlled Sagittal Line Laser	1
1.27	**Quick Ref Guide - English**	1

1.28	**HyperSight Imaging Solution**
	HyperSight™ for TrueBeam® Platform
	Features:
	• Gantry speed up to 1.5 RPM for Imaging and motions between treatment fields.
	• CBCT Metal Artifact Reduction
	• HU Accuracy and Uniformity
	• Extended Field of View reconstruction
	• Quart phantom for HU calibration
	• 27" Console Monitors
	Prerequisites:
	• TrueBeam or Edge™ v4.1 or higher
	• ARIA® oncology information system (OIS) v15.1 - v18.0 or higher, or compatible third-party
	• Eclipse™ treatment planning system v15.1 or higher, or compatible third-party
	• If third-party OIS:
	  • Authentication Server for third-party OIS (Hardware and Software) or
	  • Authentication Server for third-party OIS (Software only)
		1

1.29	**STD TRNG: TB Platform On-Site** The on-site review of the TrueBeam/Edge/VitalBeam components includes imaging and use cases for support of patient treatment for therapists. This support is to ensure that personnel who attended the classroom training are able to operate the TrueBeam Platform machine in a safe and effective manner in the clinical environment. **Features:** • Includes support for TrueBeam/Edge/VitalBeam • Offer is valid for 18 months after installation of product **Prerequisites:**	1

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Item	Description	
	• TrueBeam Platform classroom trainings **Notes:** • Training is non-refundable and non-transferable	
1.30	**STD TRNG: Two Day Follow Up** Two Day Follow Up Training. This follow up training is conducted after the initial training has been completed to ensure safe and efficient use of the product. **Features:** • Training plan details will be provided by the training management team as part of your product implementation process • Duration and Location: 2 days onsite **Prerequisites:** • Initial product training completed **Notes:** • Offer is valid for up to 18 months after installation of product • Non-transferable to other products and services and non-refundable	1
1.31	**INCL ED: TB201 TB Platform Physicists** TrueBeam Physics and Administration: TrueBeam Physics and Administration course is designed for personnel (primarily Medical Physicists) responsible for the acceptance, commissioning, and QA program development of the TrueBeam in the clinical environment. It is recommended that the student attend the TrueBeam Physics and Administration course shortly before the installation of the TrueBeam. 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, and QA of the machine are included. The course subject matter is presented from a clinical use perspective. Primary emphasis is on the overall commissioning, calibration, and QA of the TrueBeam and its components. Extensive hands-on laboratory exercises are included. **Features:** • Includes support for TrueBeam/Edge/VitalBeam • Includes Tuition and Materials for ONE person • Length: 4.5 days • Offer is valid for 18 months after installation of product **Customer Responsibilities:** • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) **Notes:** • Training is non-refundable and non-transferable	1
1.32	**INCL ED: TB101 TB Platform Operations** TrueBeam Operations is a course designed for personnel (primarily Radiation Therapists) responsible for the routine operation and clinical use of the TrueBeam. It is recommended that students attend the TrueBeam Operations course shortly before clinical use and the commencement of patient treatments. 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. 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. **Features:** • Includes support for TrueBeam/Edge/VitalBeam • Includes Tuition and Materials for ONE person • Length: 4 days • Offer is valid for 18 months after installation of product **Customer Responsibilities:** • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) **Notes:**	1

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Item	Description	
	• Training is non-refundable and non-transferable	
1.33	**INCL ED: CL222 Respiratory Gating** The Respiratory Gating course provides training for physicists and therapists, to obtain knowledge of principles and practices of respiratory gating in radiation oncology for clinical implementation. **Features:** • Includes support for TrueBeam Platform • Includes Tuition and Materials for ONE person • Length: 2 days • Offer is valid for 18 months after installation of product **Customer Responsibilities:** • Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals) **Notes:** • Training is non-refundable and non-transferable	1
1.34	**New Universal Baseframe 52" Fixed Floor**	1
2.0	**RGSC**	
	Offer Price : US$ 98,587.00	
2.1	**RGSC version 2.0**	1
2.2	**Connect with Philips** RGSC system configured for validated Philips Scanners. **Features:** • Connectivity to Philips scanners **Prerequisites:** • RGSC v2.0 or higher **Customer Responsibilities:** • Validate CT/PET scanners compatibility	1
2.3	**VCD Option, Couch Mounted** Visual Coaching Device (VCD), couch mounted **Features:** • Visual Coaching Device (VCD) monitor to assist patient to achieve a steady and predictable breathing pattern • VCD connects to the Respiratory Gating for Scanners (RGSC) system wirelessly and supports all image acquisition modes, including breath-hold **Prerequisites:** • RGSC system v1.1 or higher **Customer Responsibilities:** • Customer must ensure that the compatible couchtop or overlay is installed.	1
2.4	**STD TRNG: RGSC** This onsite training is included with the purchase of Respiratory Gating for Scanners (RGSC). This training covers RGSC Overview, System Components, User Rights, Start up and Shut down, Reference Session Procedure, Visual Coaching Device (if applicable), Quality Assurance, and References. Training plan details will be provided by the training management team as part of your product implementation process. **Features:** • On-site training for using the RGSC system on a CT Scanner • Length: 1 day	1

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Item	Description	
	• Offer is valid for 18 months after installation of product **Prerequisites:** • RGSC system **Customer Responsibilities:** • Customer must ensure all trainees are available for the entire duration of scheduled training. **Notes:** • Training is non-refundable and non-transferable	
2.5	**VCD Couch Mount for Civco UCT** Visual Coaching Device (VCD) couch mount hardware for Civco Universal Couchtop™ (UCT) **Prerequisites:** • Respiratory Gating for Scanners (RGSC) system v1.1 or higher • Visual Coaching Device (VCD) **Customer Responsibilities:** • Civco UCT • Customer must ensure that the compatible couchtop or overlay is installed.	1
2.6	**RGSC -- Wall/Ceiling Mount Camera** Respiratory Gating for Scanners (RGSC) is for respiration synchronized image acquisition on CT and PET-CT scanners. The RGSC system correlates tumor motion with the patient's breathing cycle. **Features:** • Monitors patient position during image acquisition in 3 motion axes • Provides session recording • The predictive filter monitors and predicts the patient's breathing pattern • Coaching of patient during breathing using audio and optional visual support • Includes five (5) marker blocks • Wall or ceiling mount camera configuration **Prerequisites:** • If using ARIA® with RGSC in database mode, confirm ARIA compatibility in the latest RGSC Customer Release Note at MyVarian **Customer Responsibilities:** • Validate CT/PET scanners compatibility	1
3.0	**TPS Eclipse**	
	Offer Price : US$ 217,974.00	
3.1	**Eclipse Physicians Desktop** **Feature(s):** • Contouring and Image Registration Tools • 4D Planning and Image Support • Deformable Image Registration • Eclipse Scripting API • DICOM RT **Prerequisites:** • Eclipse Non-Calculation Workstation	1
3.2	**RapidArc Planning Additional** An additional RapidArc® planning for one (1) user **Features:** • RapidArc Planning for one (1) user **Prerequisites:**	1

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Item	Description	
	• Eclipse RapidArc Planning	
3.3	**RapidPlan™ Knowledge Based Planning Core** RapidPlan™ Knowledge-Based Planning Core Software leverages a machine learning approach and provides Dose Volume Histogram (DVH) estimation models for various disease sites. **Features:** • RapidPlan interface for one (1) user • DVH estimation models from Varian • Model Configuration interface for user defined DVH estimation models **Prerequisites:** • Interactive IMRT Planning	1
3.4	**Acuros External Beam** Acuros® External Beam (Acuros XB) is a photon algorithm that provides dose calculation with the equivalent accuracy as the Monte Carlo algorithm. **Features:** • Acuros XB algorithm **Prerequisites:** • Eclipse Planner Desktop or Eclipse Advanced Planner Desktop	1

3.5	**Multi-Criteria Optimization (MCO)**
	
	Eclipse™ MCO is a decision support tool incorporated within the existing IMRT or VMAT optimization workflow. MCO allows the end user to explore the impact that changing dose to a specific structure has on plan quality, target coverage, or organ at risk sparing.
	Features:
	• MCO license for one user
	Prerequisites:
	• IMRT or VMAT planning license
	• One of the following hardware configurations
	  • A GPU (Graphics Processing Unit) enabled Eclipse calculation workstation or
	  • An Eclipse Framework agent server (FAS)
		1

3.6	**Eclipse GPU Workstation refresh** Varian will replace an Eclipse Calculation Workstation GPU (Graphics Processing Unit) enabled computer with the latest calculation GPU enabled computer; re-install and configure the Eclipse software; and test the system **Prerequisites:** • Existing Eclipse GPU enabled workstation • Eclipse v15.5 or higher	2
3.7	**Eclipse Non-Calculation Workstation** **Features:** • Eclipse non-calculation workstation **Prerequisites:** • Eclipse Physician's Desktop Package **Notes:** • Monitor not included	1
3.8	**27" LCD Monitor (16.9)**	1
3.9	**STD TRNG: MCO-Remote**	1

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Item	Description	

	Standard Training for Multi-Criteria Optimization (also known as Trade-off Analysis). Intended audience includes physicists, dosimetrist/treatment planners and other staff as appropriate.
	Features:
	• Training Plan details will be provided by the training management team as part of your product implementation process. Topics covered can include:
	  • Workflow
	  • Plan Generation
	  • Trade off exploration
	• Duration and Location:2 hour remote session
	Prerequisites:
	• Multi-Criteria Optimizatin installed
	Notes:
	• Offer is valid for up to 18 months after installation of product
	• Non-transferable to other products and services and non-refundable	

3.10	**STD TRNG: MCO- Onsite**
	
	Standard Training for Multi-Criteria Optimization (also known as Trade-off Analysis). Intended audience includes physicists, dosimetrist/treatment planners and other staff as appropriate..
	
	Features:
	
	• Training Plan details will be provided by the training management team as part of your product implementation process. Topics covered can include:
	
	  • Workflow
	  • Plan Generation
	  • Trade off exploration
	
	• Duration and Location:1 day at customer site
	
	Prerequisites:
	
	• Multi-Criteria Optimizatin installed
	
	Notes:
	
	• Offer is valid for up to 18 months after installation of product
	• Non-transferable to other products and services and non-refundable
		1

3.11	**STD TRNG: RapidPlan Onsite**
	
	Standard Onsite Training for RapidPlan™ knowledge-based planning. Customers will be trained in the process of validating and modifying shared RapidPlan models for their clinical Practice.
	Features:
	• Topics include:
	  • Creating custom models
	  • Process of verifying and validating models
	• Training plan details will be provided by the training management team as part of your product implementation process
	• Duration and Location: 2 days onsite
	Prerequisites:
	• RapidPlan™ installed and accepted
	Notes:
	• Offer is valid for up to 18 months after installation of product
	• Non-transferable to other products and services and non-refundable
		1

3.12	**INCL ED: RP201 RapidPlan Implementation** The RapidPlan® knowledge-based planning Implementation course enables participants to implement RapidPlan and make it part of the clinical routine. The training is designed to enable users to be competent and confident in using RapidPlan functionality within the Eclipse™ treatment planning system. Users will be provided the knowledge to help them gain mastery of knowledge-based planning concepts as well as experience using and creating DVH	1

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Item	Description	

	estimation models, including the ability to verify and validate models. Users will learn and practice strategies for leveraging Varian-provided and other shared models for a quick ramp-up with RapidPlan.
	Features:
	• Topics covered include:
	  • Introduction to RapidPlan
	  • Applying RapidPlan models
	  • Model configuration workspace
	  • Varian models and validation process
	  • Creating a prostate and head-neck models
	• Training Type: Virtual Instructor-Led Training (VILT). Additional course information will be provided at registration
	Prerequisites:
	• Eclipse™ treatment planning system installed and accepted
	• Eclipse v13.6 or above
	• Completion of Varian education courses EC101 and EC102
	• Access to Model Analytics
	Customer Responsibilities:
	• Must have access to a telephone and computer with an internet connection
	Notes:
	• Includes tuition and materials for one person
	• Offer is valid for up to 18 months after installation of product
	• Non-transferable to other users, products, and services and non-refundable	

3.13	**Non-Clinical Acuros External Beam** Acuros® External Beam (Acuros XB) is a photon algorithm that provides dose calculation with the equivalent accuracy as the Monte Carlo algorithm. **Features:** • Non-Clinical Acuros XB algorithm **Prerequisites:** • Non-Clinical T-Box Software Package or Non-Clinical Educational/Research Software Package **Notes:** • GPU dose calculation support	1
3.14	**Non-Clinical Multi-Criteria Optimization** Eclipse™ MCO is a decision support tool incorporated within the existing IMRT or VMAT optimization workflow. Trade-off exploration with MCO allows the end user to explore the impact that changing dose to a specific structure has on plan quality, target coverage, or organ at risk sparing. **Features:** • MCO license for one (1) user **Prerequisites:** • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package • Non-Clinical RapidArc Planning • Workstation graphics processing unit (GPU) algorithm license or a framework agent server graphics processing unit (GPU) algorithm license	1
3.15	**Non-Clinical RapidPlan** Non-Clinical RapidPlan™ Knowledge-Based Planning Software leverages a machine learning approach and provides Dose Volume Histogram (DVH) estimation models for various disease sites. **Features:** • Non-Clinical RapidPlan interface for one (1) user • Non-Clinical DVH estimation models from Varian • Non-Clinical Model Configuration interface for user defined DVH estimation models **Prerequisites:** • Eclipse T-Box Software Package or Eclipse Educational/Research SFW Package	1
3.16	**Install on Existing/Customer Server**	1
3.17	**STD TRNG: Remote Training** Standard remote training **Features:**	1

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Item	Description	

- Customized training plan details will be provided by the training management team after the initial discussion of customer needs
- Training Type and Location: One remote training session up to 2 (two) hours with a clinical applications specialist

Customer Responsibilities:

- Remote access to the customer software may be required
- Review all product documentation available on MyVarian.com in advance
  - Customer Release Notes
  - Instruction for Use
- Must have access to a phone and computer with internet connection

Notes:

- Remote session should be scheduled within 30 (thirty) days of completing any applicable video learning modules
- Offer is valid for up to 18 months after purchase
- Non-transferable to other users, products, and services and non-refundable

3.18 **Portal Dosimetry Review Additional** 1

Portal Dosimetry review for one (1) user.

Features:

- Portal dosimetry review for one (1) user

Prerequisites:

- Portal Dosimetry Package

3.19 **Portal Dosimetry Dose Calculation Additi** 1

Portal Dosimetry Dose Calculation for one (1) user.

Features:

- Portal Dosimetry Dose Calculation for one

Prerequisites:

- Portal Dosimetry Package

4.0 Xmedius Fax

Offer Price : US$ 4,224.00

4.1 **XMediusFax FoIP AudioCode Pkg ARIA CORE** 1

XMediusFax FoIP for ARIA CORE provides a seamless solution for the outbound faxing of documents with a secure and real time delivery utilizing Fax over Internet Protocol (FoIP) technology.

Features:

- Outbound faxing of patient documentation to multiple outside recipients such as referring physicians
- Package includes AudioCodes hardware to convert from digital to analog signal
- Supports the outbound faxing of up to 1300 pages per day

Prerequisites:

- ARIA CORE v18.1 or higher

Customer Responsibilities:

- Review scope and ensure adherence to the requirements of this product outlined in the Customer Maintenance Manual for XMediusFax found on www.myvarian.com
- For details on features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:

- Shared use of the fax system with other 3rd party applications or products is not supported by Varian

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Item	Description

5.0	Docs2ehr
	Offer Price : US$ 5,179.00

5.1 **docs2EHR for ARIA CORE** 1

The docs2EHR application uses a streamlined workflow to create ARIA CORE ready documents from outside sources and automatically uploads them to the patient's chart within ARIA. Docs2EHR can manage external faxes, scanned documents, or files in various formats such as images or PDFs. The software utilizes the Varian Document Services API, which imports documents into ARIA without interfering with the clinic's ARIA database.

Features:
- Select specific pages and re-order pages in a PDF/image document before importing into ARIA
- Merge pages from multiple PDF/image documents before importing into ARIA
- Select the correct patient directly from the ARIA database
- Send documents to ARIA as "pending" or "approved"
- Preset multiple network drives or folders containing incoming records

Prerequisites:
- ARIA CORE v18.1 or higher
- ARIA CORE Disease Management Smart Space

Customer Responsibilities:
- Windows Server 2019 Standard (for the server that Docs2EHR is installed on)
- Windows 10 or higher -- 32 or 64 bit (for the workstation that the Docs2EHR client is installed on)
- Microsoft Word version that is compatible with customer's version of ARIA
- Adobe Acrobat Reader DC or PDF creator software that is compatible with customer's version of ARIA
- Compatible scanning and faxing equipment

6.0	Interoperability
	Offer Price : US$ 88,911.00

6.1 **ARIA Connect** 1

ARIA Connect manages messages and interfaces to external hospital or clinic systems, billing systems and/or integration engines. It matches, filters, and/or manipulates messages based on configurable logic to support clinical business rules. Also, it transfers inbound data messages into the ARIA® database.

Features:
- Supports standard HL7 (Health Level-7) messaging, conforming to HL7 2.x versions
- Supports custom interfaces

Prerequisites:
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher
- ARIA Connect interface(s)

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- HL7 compliant third-party systems (i.e., HIS, Billing, Labs or other systems)
- Filter out non-oncology patient messages when required
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- Up to 32 hours of configuration labor are included as a maximum implementation effort
- Cannot install any third-party software on the ARIA Connect server

6.2 **ARIA Connect - Demographics In** 1

This interface processes inbound patient demographic data (HL7 ADT) from an HL7 (Health Level-7) compliant system into the ARIA® system. As new patients are added or existing patient demographic information changes in a 3rd party system, an HL7 ADT message is generated. This message is then sent to the ARIA Connect Interface Engine, processed, and the demographic information is updated in the ARIA database.

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Item	Description	

Features:
- Auto-insert patient records into ARIA with no human interaction required
- Filter or process messages based on a variety of HL7 fields
- Keeps patient status, addresses, next of kin and other demographic information up to date
- Health (status) monitoring of interfaces

Prerequisites:
- ARIA Connect
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- 3rd party connectivity with other vendors
- Participate in the project which may include assistance with analyzing data, approve specifications and test results, resolve data flow issues, recruit help from 3rd party vendors
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- This includes consulting, the creation of detailed specifications, configuration and testing of sample data, and implementation of a basic version of this interface

6.3 **ARIA Connect - Billing Out** 1

This interface delivers clinical activity information from the ARIA® system to one external billing system compatible with HL7 (Health Level-7) DFT. ARIA generates charge-related information in response to daily activities performed by the staff. Once this information is approved in ARIA, ARIA Connect will gather the data and send out HL7 DFT messages to the billing system at predefined scheduled times.

Features:
- Billing interfaces can be configured to select professional, technical, and global charge types
- Billing runs can be configured to select charges for specific hospitals and departments
- Billing runs can be configured to send charges and / or credits
- Multiple billing interfaces can run concurrently
- Health (status) monitoring of interfaces is possible
- Includes interface engine license

Prerequisites:
- ARIA Connect
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- 3rd party connectivity with other vendors
- Participate in the project which may include assistance with analyzing data, approve specifications and test results, resolve data flow issues, recruit help from 3rd party vendors
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- Up to 32 hours of configuration labor are included as a maximum implementation effort
- ARIA Connect can export billing codes that are configured as exportable in ARIA Data Administration

6.4 **ARIA Connect - Scheduling In** 1

This interface processes inbound patient scheduling data (HL7 SIU) from an HL7 (Health Level-7) compliant system into the ARIA® system. These messages are sent to the ARIA Connect Interface Engine and processed, and the schedule information is updated in the ARIA database.

Features:
- Support for HL7 SIU Patient Scheduling Data

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Item	Description	

Prerequisites:
- ARIA Connect
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- 3rd party connectivity with other vendors
- Participate in the project which may include assistance with analyzing data, approve specifications and test results, resolve data flow issues, recruit help from 3rd party vendors
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- Up to 32 hours of configuration labor are included as a maximum implementation effort

6.5 **ARIA Connect - Documents Out** 1

This interface processes outbound document data (HL7 MDM) from the ARIA® system to a third-party HL7 (Health Level-7) compliant system. As documents are created in ARIA, e.g., Dynamic Documents, an HL7 MDM formatted message will be triggered and sent to the receiving system. Documents may record a patient's history, weekly progress, and more.

Features:
- Configurable options to export documents by document type and status
- Document security and electronic signatures, if applicable, are maintained

Prerequisites:
- ARIA Connect
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- 3rd party connectivity with other vendors
- Participate in the project which may include assistance with analyzing data, approve specifications and test results, resolve data flow issues, recruit help from 3rd party vendors
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- Up to 32 hours of configuration labor are included as a maximum implementation effort

6.6 **ARIA Connect - Documents In** 1

This interface processes inbound document data (HL7 MDM) from a third-party HL7 (Health Level-7) compliant system to the ARIA® system. As dictated Physician progress notes and / or other clinical documentation are transcribed in a 3rd party system, an HL7 MDM formatted message will be sent through ARIA Connect to update the ARIA database.

Features:
- Includes configurable options to export documents by document type and status
- Document security and electronic signatures, if applicable, are maintained

Prerequisites:
- ARIA Connect
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- 3rd party connectivity with other vendors

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Item	Description	

- Participate in the project which may include assistance with analyzing data, approve specifications and test results, resolve data flow issues, recruit help from 3rd party vendors
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- Up to 32 hours of configuration labor are included as a maximum implementation effort

6.7 **ARIA Provider ID Conversion** 1

This is for the conversion process of existing ARIA® system provider identifiers (IDs) to synchronize with provider IDs coming from a new Hospital Information System (HIS). This conversion will update the physician ID used in ARIA for interface matching.

Features:
- Conversion of existing provider IDs into ARIA

Prerequisites:
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- Customer must provide a provider ID mapping file from old provider IDs to new provider IDs in CSV or Excel format

6.8 **ARIA Patient ID Conversion** 1

This is for the conversion process of existing ARIA® system patient identifiers (IDs) to synchronize with patient IDs coming from a new Hospital Information System (HIS). This conversion will update the matching ID (ID1 or ID2) used in ARIA.

Prerequisites:
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- Provide a patient ID mapping file from old patient IDs to new patient IDs in CSV or Excel format

6.9 **ARIA API** 1

This is a set of Representational State Transfer (REST) Web Service APIs designed using the Fast Healthcare Interoperability Resources (FHIR) standard Profiles. Provided FHIR Resource Profiles can be used by applications developed by Varian Customers to interoperate with ARIA®. The customer that purchases this solution to enable interoperability between ARIA and non-Varian Applications must validate the integration before using it on production environments.

Features:
- Manage workflow information:
  - Patient Demographics information
  - Appointments and Tasks
  - Patient documents
- Manage Patient Clinical Data:
  - Patient Diagnosis, Allergies, Vital signs, Lab results
- Read Billing information and mark charges as exported
- Read Hospital Administration information:
  - Hospital and Department Information
  - Available machines
  - Locations (Auxiliary or Venue rooms)
  - Activity Definitions
- Manage Staff information:
  - Doctor and Staff
  - Read the resources that belong to a group

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Item	Description	

- Licenses: One (1) ARIA API license

Prerequisites:
- ARIA for Radiation Oncology v15.5 MR2 or higher, or ARIA OIS v18.0 or higher
- Software Support Agreement (SSA)

Customer Responsibilities:
- Third-Party Application that can consume the REST FHIR R4 resources
- Confirm the FHIR Client Application is compatible with ARIA FHIR R4 Profiles
- Develop, Test, and Validate the FHIR integration that uses ARIA API. ARIA API is delivered as is with online documentation
- Verify the additional ARIA database load created is acceptable for their environment (e.g., no impact on ARIA performances must be noticed)
- Network Infrastructure that must allow the communication with ARIA API endpoint

6.10 **ARIA Connect - Scheduling Out** 1

This interface processes outbound patient scheduling data (HL7 SIU) from the ARIA® system to a third-party HL7 (Health Level-7) compliant system. As appointments are scheduled in ARIA, an HL7 scheduling message is generated and sent to the scheduling system. This interface is for customers who utilize ARIA as their primary scheduling system and want to push scheduling data out to other systems, or for customers who want to notify an external system of patient appointments in order to prevent duplicate bookings.

Features:
- Support for HL7 SIU Patient Scheduling Data
- Export of schedule information including updates and cancellations from the ARIA database
- Appointment notes can be processed with appointment messages

Prerequisites:
- ARIA Connect
- One of the following:
  - ARIA OIS for RO v13.6 or higher
  - ARIA OIS v18.0
  - ARIA CORE™ v18.1 or higher

Customer Responsibilities:
- Internet access for configuration, remote monitoring and support via SmartConnect®
- 3rd party connectivity with other vendors
- Participate in the project which may include assistance with analyzing data, approve specifications and test results, resolve data flow issues, recruit help from 3rd party vendors
- For details on the features, release notes, software/hardware requirements, security, and compatibility, refer to the resources at the following locations:
  - www.myvarian.com (see ARIA Connect Interface Specification document)
  - www.varian.com/ARIA
  - www.varian.com/ARIACOREprerequisites

Notes:
- Up to 32 hours of configuration labor are included as a maximum implementation effort

7.0	Enterprise Solutions
	Offer Price : US$ 184,889.00

7.1 **Interoperability Consultant Engagement** 2

A Varian implementation consultant will guide and provide direction for the design and testing phases of interoperability project work. This engagement includes participation in design meetings and the use of Varian Interface testing scripts for up to four (4) interfaces.**Scope of Work:**
- Consultant Services
  - Participation in development of interface design
  - Recommendation for workflow and best practice interoperability
  - Participation in testing of interface design
  - Consultant availability for go-live support / issue resolution
- Varian testing scripts for Interfaces specified

Prerequisites:
- ARIA ® Connect and/or ARIA Interface Exchange Manager

Customer Responsibilities:
- Access to Varian ARIA OIS for RO (User Home and Data Admin)
- Validate data in test and production environment

Notes:

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- Testing scrips are proprietary: the customer is restricted from sharing with any persons or entities outside of the direct project use.

7.2 **RO Workflow Optimization** 1

A Varian implementation consultant will work with a customer point person(s) to streamline the radiation oncology OIS workflow by assessing gaps, configuring, and building the industry's best practices and provide guidance for implementation. This offering is designed for Radiation Oncology practices utilizing ARIA ® Oncology Information System.**Scope of Work:**

- Workflow optimization to include assessment, analysis, and recommendations for:
  - User groups and user rights,
  - Activity categories,
  - Appointment names,
  - Task names,
  - Document template naming,
  - Standardized questionnaires with use of data tags,
  - Care Paths,
  - Encounters,
  - Toxicities,
  - Journal note types,
  - Infection lists
  - Clinical decision supports
- Consultant Services
  - Database query and assistance and direction for configuration
  - Assessment of current workflow and identification of modifications
  - Education, communication, and knowledge transfer
  - Pre-go-live and go-live support
  - Follow up support within 120 days of go-live, not to exceed two visits

Prerequisites:

- ARIA OIS for RO v15.5 or higher
  - If QPP and Quality Measures reporting provided via ARIA OIS utilizing RO/ARIA Cloud CQM, v16.1 or higher

Customer Responsibilities:

- Knowledge of ARIA OIS Data Admin
- Access to Varian ARIA OIS for RO (User Home and Data Admin)
- QPP-MIPS attestation and Quality Measures reporting
- Data validation and acceptance

8.0	Physics
	Offer Price : US$ 127,063.00

8.1 **AOS RapidPlan Develop Custom** 1

Advanced Oncology Solutions (AOS) will bring its expertise on RapidPlan modeling and peer review to ensure the RapidPlan program is implemented appropriately and effectively to improve plan quality and consistency for each treatment site. Each program will include 3 phases: initial assessment and data collection (performed remotely), onsite training, and remote support post-training.

Features:

- Two (2) AOS validated RapidPlan models [one per disease site requested]
- One day onsite support with treatment planners
- Remote access for data mining prior to onsite support and for model validation
- Data mining and detailed review of current treatment plans (contouring of Organs at Risk (OARs), tuning structures, target definition, target margins, dose prescription, treatment planning consistency) to curate training sets needed for each model
- Collection of ten percent (10%) additional treatment plans per model for verification based on size of training dataset
- Re-planning of these treatment plans using RapidPlan models to provide comparison reports
- Reviewing models and training on process of using models for new plans
- Continuing remote support/peer review for treatment planning for six (6) months post-training

Prerequisites:

- Eclipse v15.6 or later configured for the photon algorithms
- RapidPlan licenses

Customer Responsibilities:

- Allow AOS to provide data mining to collect the treatment plans needed for plan review, verification, and validation
- Customer must provide their current clinical constraints or protocols used for the chosen disease sites

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Item	Description

- Remote IT interface must be established and working at least 2 weeks prior to start; this includes SmartConnect access when possible
- Customer on-site Physicians, Physicists, and Dosimetrists must be available and engaged during the on-site training visit

Notes:
- Varian AOS is not responsible for the treatment plans used for treating patients

8.2 **AOS Commissioning for C-arm linac** 1

Advanced Oncology Solutions (AOS) comprehensive commissioning of one (1) C-arm linac for one (1) Treatment Planning System (TPS).

Features:
- Data acquisition for beam modeling:
    - All open photon percentage depth dose, profile, and output factor measurements as required by licensed TPS algorithms
    - All approved accessories percentage depth dose, profiles, and output factor measurements as required by the TPS licensed algorithms
    - All electron percent depth dose, profile and applicator factor measurements as required by TPS algorithms
    - MLC parameter measurements as required by TPS licensed algorithms
- Data acquisition for model validation according to best practice guidelines, including small fields
- Verification of integrity of measured beam data by comparison with reference or historical data
    - Gamma analysis of scan data
    - Comparison of point dose measurement (output factors, applicator factors, cone factors, etc.)
- Beam model configuration and optimization for all algorithms licensed on the TPS, for all energies and approved accessories installed on the linac
- Beam model validation
    - Gamma analysis of validation scan data (measured vs calculated for all licensed TPS algorithms)
    - Point dose comparison (measured vs calculated for all TPS algorithms)
- Portal Dosimetry model commissioning and validation with preconfigured models (if applicable and licensed)
- IMRT and VMAT optimization and validation using TG119-type and clinical plans
- Absolute dose calibration verification (AAPM TG51 or IAEA TRS398), in customer-defined geometry
- Optimized beam models for all energies and approved accessories installed on the linac and for all algorithms licensed on the TPS
- All raw and processed measurement data (scans, point doses, arrays)
- All validation plans installed and calculated on the TPS
- Validation analysis
- Comprehensive commissioning report

Customer Responsibilities:
- Acceptance of accelerator and TPS must occur before commissioning can begin
- Full access to the accelerator, accessories, and the control room
- Full access to the TPS
- After-hours physical access to the facility
- Secure internet access
- In locations where a commissioning license is required, such license must be obtained by the customer prior to beginning commissioning
- Submission of the Commissioning Report to the appropriate regulatory agencies as applicable is the responsibility of the Customer's Qualified Medical Physicist

Notes:
- Either the C-arm linac or the TPS must be a Varian product
- The list of approved accessories is:
    - SRS cones
    - Dynamic/virtual wedges
    - Hard wedges
    - Motorized wedges
    - Electron applicators
- Commissioning/validation of image guidance systems is not included
- Commissioning/validation of ancillary systems is not included (gating, positioning, surface guidance, etc.)
- This service does not include clinical implementation
- This service does not include general configuration of Record and Verify system and TPS, connectivity, image or data transfer, tolerance tables, user rights

9.0	Advantage Credits
	Offer Price : US$ 17,644.00

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Item	Description	
9.1	**Advantage Contract Credits** Advantage Credits can be utilized for Varian's Professional Services, such as on-site applications training, education, consulting (in applicable regions), and third-party services including clinical schools that are purchased through Varian. For further details, please reference the attached Terms and Conditions. **Notes:** • Offer is valid for 24 months after purchase	
9.2	**Additional Advantage credits** (Qty : 60, Credit per Qty : 1.0) Undefined Advantage credits	60.0
	Total Advantage Credits for this Section: 60.0	
10.0	Adhoc	
	Offer Price : US$ 25,000.00	
10.1	**Remove/Dispose Existing Equipment**	1
11.0	Adhoc	
	Offer Price : US -$75,000.00	
11.1	**Trade-In Discount** The trade-in value provided for the equipment is based upon the successful inspection by Purchaser and removal of the equipment on or before the shipping allocation date or other removal date agreed upon in writing. Delays to this schedule or failure of inspection may reduce the trade-in value. Equipment must be kept in clinical operating condition and serviced according to the original manufacture's recommendations until time of removal from site. This will be the responsibility of the customer. Customer must allow Purchaser to bring potential buyer(s) to the site to inspect the unit on a mutually agreeable schedule. Unless otherwise noted, trade-in values include standard rigging. Shoring of floors, elevators, cranes and other non-standard rig item are excluded and are the responsibility of the customer. Trade-in includes all parts, spare parts, accessories, technical manuals and all service records.	1

Docusign Envelope ID: 8A170DCE-BE4D-4320-BF49-98B0ED2089DD

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Summary of Advantage Contract Credits Quoted Above

Section 9.0

Year 5 Total	60.0
Total Credits	60.0

Docusign Envelope ID: 8A170DCE-BE4D-4320-BF49-98B0ED2089DD

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Sales Price Table

TradeIn-Cancellations	US $-75,000.00
Sales Total	US $4,056,645.00
Quotation Total	US $4,056,645.00

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Advantage Credits Supplemental Terms and Conditions

(Form RAD 10442)

These Advantage Credits Supplemental Terms and Conditions ("**Supplemental Terms**") modify and supplement the Varian Terms and Conditions of Sale (Form RAD 1652, current version issued with the Quotation) (the "**Terms and Conditions of Sale**"). The terms of the applicable Varian Quotation ("**Quotation**"), its attachments, including the Terms and Conditions of Sale, are incorporated herein by this reference, and together with these Supplemental Terms and any applicable Third Party Terms (as defined in the Quotation) (collectively referred to as the "**Agreement**") will apply and govern the use by Customer of Advantage Credits.

1. General

The Varian Advantage Credit Program (the "**Program**") offers customers the ability to purchase Advantage Credits in advance that can be applied toward designated Varian Professional Services including certain consulting (e.g. specified and limited implementation and optimization services), on-site training, educational courses and a limited number of services provided by designated third party service providers, including clinical schools and physics commissioning services. Advantage Credits provide flexibility for the Customer to apply them interchangeably for those designated services available under the Program without having to modify the underlying Quotation and related purchase order. However, Varian must be notified in advance and in writing of any requested changes to selected services.

2. Expiration Schedule

Advantage Credits expire according to the following schedule:

Type of Order	Expiration Date
Advantage Credits only (no Varian products)	24 months from date of order
Advantage Credits with one or more Varian products	24 months from first date of product/service acceptance
Multiyear agreement	End of the term of agreement

3. Scopes of Work

Varian or its third party service providers may, at their discretion, set forth in a written Scope of Work (SOW) a description of the services to be provided by Varian or the third party service provider. If the services that will be purchased with Advantage Credits are defined within the Quotation, Varian will offer the specific services listed for the amount of Advantage Credits indicated. If Advantage Credits in the Quotation are "**Undefined**", Varian will indicate the number of Advantage Credits required for a particular service at the time the Customer wants to use them.

4. Third Party Service Providers

4.1 Certain services are provided by and through third party service providers that are not affiliated with Varian, namely clinical schools and physics services (e.g. commissioning). Varian disclaims any warranty or performance obligations related to any third party service provider and will act solely as a pay agent, to collect fees for services from Customer and to pay fees for such services to the third party service provider. Customer has the final decision to purchase services through Varian third party service providers or to select another service provider outside of the Quotation and Varian does not make any recommendations to use third party service providers.

4.2 **Changes to Third Party Service Providers by Customer.** Customer shall have a one-time right to request in writing that a third party service provider be replaced with an alternate provider that is participating in the Program. If Varian, at its sole discretion, approves the request, Customer shall be subject to any related termination fees and additional costs incurred by Varian or the third party service provider and other terms and conditions indicated in the

SOW and/or Quotation. Customer, the third party service provider, and if applicable, its subcontractors, shall have full responsibility for services as defined in the Quotation or SOW, as applicable, and Varian shall have no responsibility, obligation and/or liability whatsoever for those services. The third party service provider shall not be construed to be a subcontractor, employee, or agent of Varian. Varian will forward any requests for warranty work that it receives from Customer to the third party service provider. Except as otherwise provided in this section of the Quotation, the Terms and Conditions of Sale shall apply to this section just as it applies to all other parts of the Quotation.

4.3 **Changes to Third Party Service Providers by Varian.** Varian reserves the right, at its sole discretion, to change, from time to time, its list of third party providers that participate in the Program.

5. Performance of Services

All services shall be performed by Varian or the third-party service provider under permits, licenses, authority, supervision, and control of Customer and its staff, including licensed physicists, physicians, and other qualified healthcare professionals. Customer and its staff shall have the requisite permits (including applicable certificates of need), licenses, and authority to oversee and have such services performed on Customer's behalf.

6. Service Offerings

Varian reserves the right, at its sole discretion, to change the designated services which are offered under the Program at any time without prior notice. Varian will work with Customer to offer a mutually acceptable alternative or apply affected credits toward other offerings within the Program.

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Inspired by you, built by Varian


trueBEAM

Harnessing the latest innovations for the fight against cancer

Advances in radiation therapy are accelerating, creating new options for treatment and new sources of optimism in the fight against cancer. However, translating innovations into better outcomes for patients and clinics requires more than piecemeal adoption of new solutions. It requires an integration of capabilities on multiple levels.

The high-precision TrueBeam® radiotherapy system is uniquely capable of integrating hardware, software, treatment regimens, safety features, third-party solutions, new innovations, and support. The result is designed so that care teams can harness transformative technology and collaborate more effectively—so clinics can expand treatment options, grow their business, and accelerate new healthcare initiatives.

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Hardware

Software

Treatment Regimens

Partner Solutions

Comprehensive Support

New Innovations

Safety Features

Integrated capabilities for integrated care

It all comes together here.

TrueBeam has proven its capabilities in treating a broad range of cancer cases with exceptional speed and accuracy in top clinics around the world. However, its value extends far beyond its features and functions.

By bringing together diverse capabilities and resources, the TrueBeam system enables clinicians to focus on patients and treatments rather than systems and technologies. And that is designed to make it possible for clinics to deliver more comprehensive and effective care.

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A Siemens Healthineers Company | trueBEAM

Innovation, collaboration, outcomes… they're all connected

By serving as the focal point of multi-layered integration, the TrueBeam system facilitates the kind of innovation and collaboration that results in new treatment options for patients, new opportunities for clinics, and new advances in the fight against cancer. The net result is better outcomes for all stakeholders: patients, clinicians, researchers, and administrators.

Hardware, software, and safety features that work well individually—and better together.

Agile Architecture Controlled by Maestro

- Open, extensible architecture
- Maestro control system orchestrates components
- Synchronizes dosage, motion, and imaging for fast, efficient treatment

Fast, Accurate Imaging System

- Improved imaging of soft tissue targets through reduced motion artifacts
- Faster cone-beam CT (CBCT) acquisitions for breath-hold treatments than prior versions
- Improved visibility for certain targets with large motion

Flexible, High-Performance Beam Generation

- 0-8 electron energies and 7 photon energies
- High intensity modes
- Ability to tailor treatment with higher precision than prior versions

Gated RapidArc® Radiotherapy Technology to Account for Tumor Movement

- Expands RapidArc radiotherapy treatments to moving tumors
- Faster treatments of tumors that move with respiration
- Monitors patient treatment with triggered imaging

IDENTIFY™ system[1]

- Has three high precision stereo vision cameras with sub-millimeter accuracy[2] and with a refresh rate of 5-10 frames/second[3]
- Supports a non-invasive, markerless technique to track the surface of a patient in real time during treatment
- Accommodates a variety of treatments and techniques including stereotactic radiosurgery (SRS), stereotactic body radiotherapy (SBRT), and deep inspiration breath hold (DIBH)

HyperArc® High-Definition Radiotherapy

- High-quality, easy delivery of non-coplanar stereotactic radiosurgery (SRS) treatments
- Automated and simplified operations
- Safe, efficient, and accurate
- Designed for patient safety, treatment efficiency, and accuracy

Eclipse™ Treatment Planning System and RapidPlan® Knowledge-Based Planning

- Designed to increase physician productivity
- Customize plans leveraging advanced clinical expertise
- Develop plans for virtually every type of radiotherapy

PerfectPitch™ 6 Degrees of Freedom (6DoF) Couch

- More flexibility in patient setups
- Adds pitch and roll axes
- Potential to treat more patients with higher accuracy

Applied Intelligence Systems for Deeper Insights

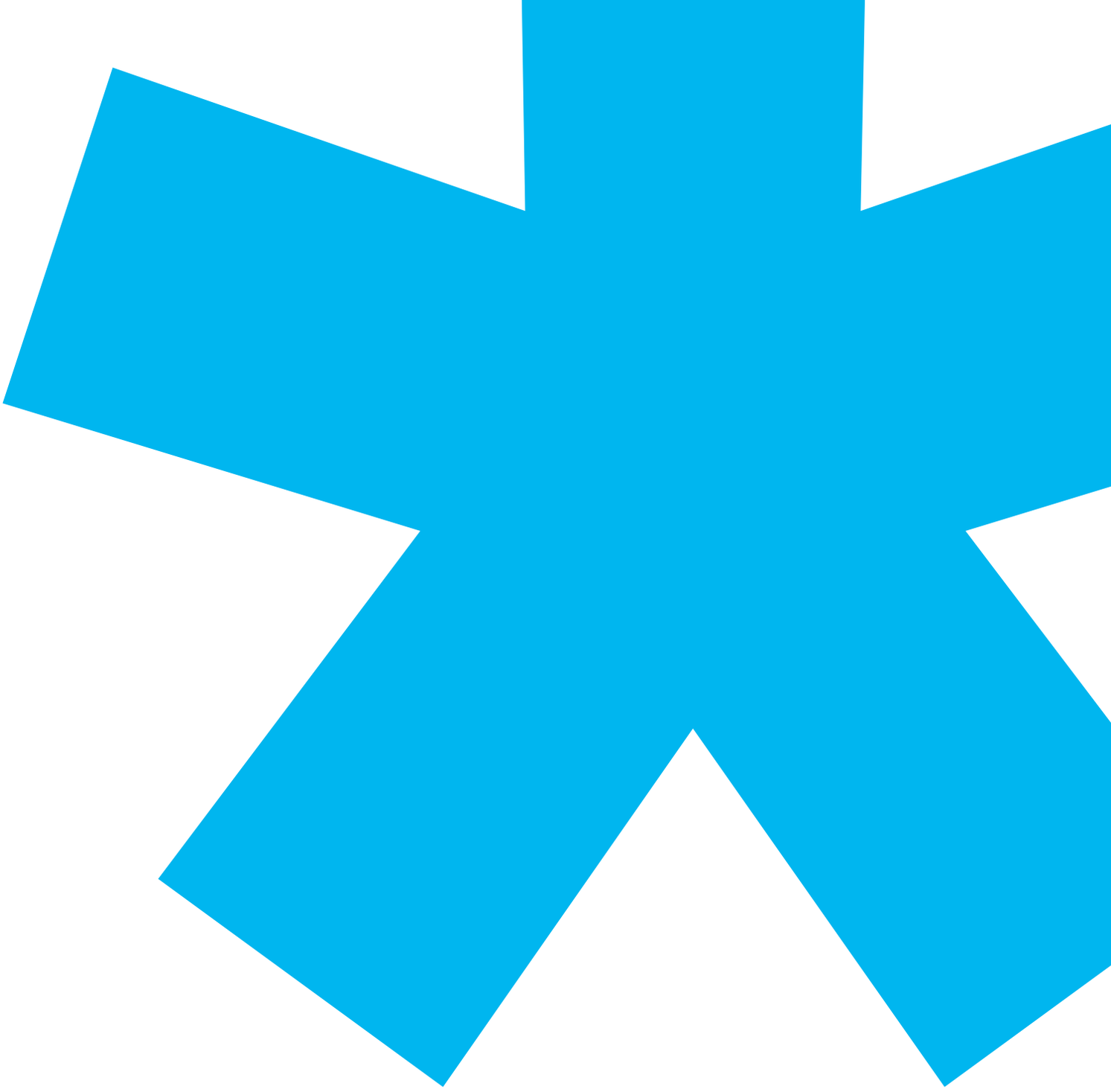
- Mine your data for actionable intelligence
- Consolidate scans and treatment plans for new insights
- Transition to data-based decision-making

ARIA® Oncology Information System

- Compare acute responses to treatment and long-term clinical outcomes
- Develop disease-specific clinical protocols
- Make confident decisions with rule-based decision support

Safety Capabilities to Enhance Confidence

- Simple, automated operation
- Multiple layers of safety built in
- Constant accuracy checks



An innovative ecosystem of oncology solutions.

We are elevating cancer care through ingenuity.

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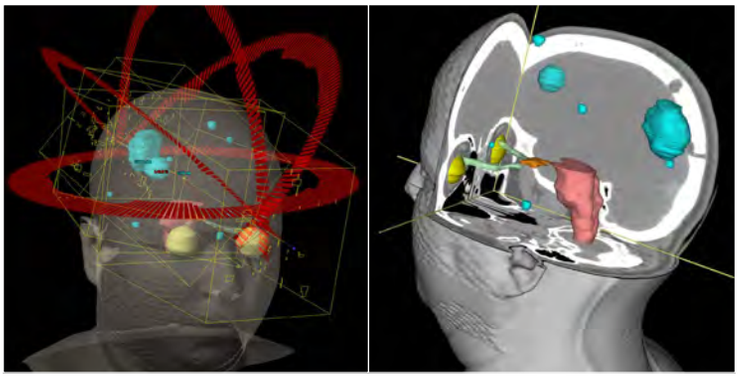
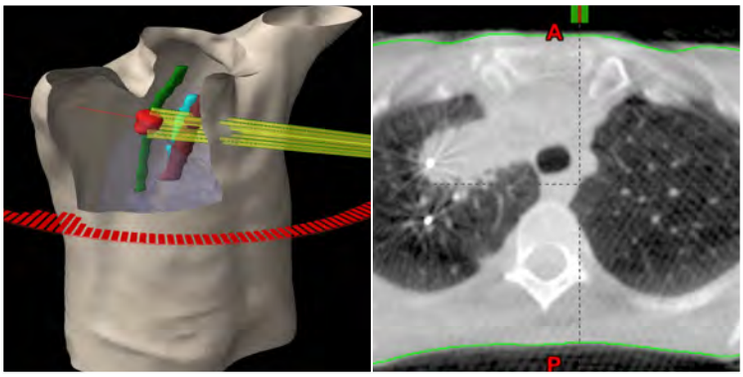
trueBEAM

More choices for a wider range of cancer cases

The depth and breadth of technology integration in the TrueBeam platform is designed to enable clinicians to treat a wider array of cancer cases using a diverse range of radiation therapies.

Clinical cases in head and neck cancers, lung, breast, prostate, liver, and more are addressed by TrueBeam using SRS, stereotactic body radiation therapy (SBRT), HyperArc, volumetric modulated radiation therapy (VMAT), intensity-modulated radiation therapy (IMRT), image-guided radiotherapy (IGRT) and RapidArc radiotherapy.



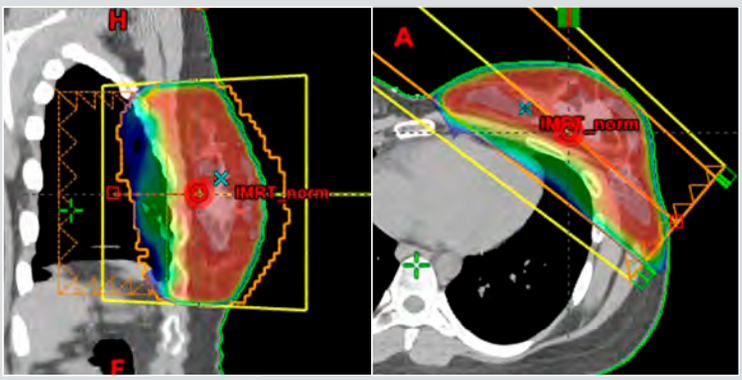


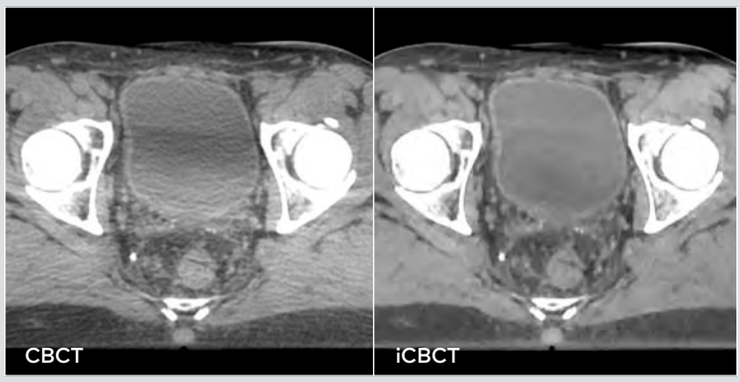
Multiple Brain Metastases

- HyperArc high-definition radiotherapy enables single-click delivery of fully automated non-coplanar cranial SRS treatments. New algorithms in treatment planning allow collision-free single isocenter delivery with steep dose gradients
- Leveraging the Eclipse treatment planning infrastructure, HyperArc allows planning of single and multiple metastases as well as primary brain tumors
- The HD120™ multileaf collimator sculpts the dose with high conformity while sparing surrounding tissue and/or organs at risk
- The PerfectPitch 6 DoF couch allows precise patient positioning based on 3D image guidance

Lung

- Online 4D CBCT allows you to visualize target motion in 3D, verifying target motion is as expected from the treatment plan. Automated acquisition of multiple 3D CBCT data sets, all synchronized with respiration, allows 3D patient setup using a specific respiration phase, an averaged motion image, or a maximum intensity projection image
- With gated CBCT, image acquisition occurs during the planned beam-on time only, reducing image artifacts due to motion, and allowing visualization of the target under planned treatment delivery conditions
- Short arc CBCT allows fast 3D CBCT image acquisition within a single breath hold
- The Visual Coaching Device provides patients with active feedback on their respiration, allowing respiration stabilization for free breathing gated treatment delivery, and consistent breath-hold motion extent for breath-hold treatment





Breast

- Delta couch shift supports initial patient setup using a single stable tattoo mark, with a pre-programmed automated shift to the treatment isocenter
- Eclipse IMRT tools, such as field-in-field planning, help create treatment plans designed to minimize radiation exposure of heart and lung tissue
- Real-time respiratory gating supports deep inspiration breath-hold treatments for left lung, allowing reduction of treatment margins due to target motion and minimizing exposure of heart tissue

Prostate

- Intrafraction motion during treatment delivery can be detected using fully automated radiographic imaging, with image acquisition triggered on monitor unit, time, or gantry angle increments
- Auto beam hold tracks implanted fiducial positions during triggered image acquisition, automatically asserting a beam hold when a fiducial is detected to be out of position
- On-demand imaging allows you to initiate kV, MV, and CBCT images at any time during the treatment
- Iterative CBCT reconstruction is designed to provide unparalleled image quality, enhancing bony anatomy and soft tissue visualization

Open to innovation from multiple sources

No one knows where the next innovation in cancer treatment will come from. One thing is certain: great ideas come from everywhere, and great ideas should be shared. The more open you are to integration, the sooner your patients and your clinic will benefit.

Varian is committed to cultivating an environment that connects you in multiple dimensions. To the integrated features and functions of the TrueBeam system. To the added value of our full suite of oncology solutions. To the complementary innovations of our vibrant partner ecosystem. To the latest research and breakthrough concepts in development. And to the entire oncology community—from diagnosis to survivorship.

TrueBeam Developer Mode: Endless Collaborative Research Opportunities

The Developer Mode option allows for broad 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 the fingertips of researchers.

Collaborative Ecosystem: Expanding the Reach

TrueBeam further extends clinical options by integrating with solutions, technologies, and innovations from our strong and growing ecosystem of third-party companies, including Epic electronic medical records systems, the Cerner Patient Observer™ system, Brainlab ExacTrac Dynamic®, VisionRT AlignRT®, and C-Rad Catalyst HD devices and more.

Comprehensive service, collaborative support

Varian provides responsive service that helps keep your TrueBeam system online, your clinicians productive, and your patient satisfaction scores high. You get the right parts and the most up-to-date software, installed and maintained the right way by Varian-trained professionals — virtually anywhere in the world. We combine a full range of capabilities, including:

Knowledge and Experience

Varian service professionals receive up-to-date classroom instruction, on-the-job training, and advanced workflow tools, and give you exclusive access to Varian product engineers and system designers.

SmartConnect® Plus

Remote equipment monitoring automatically alerts Varian to potential issues, proactively diagnoses the issue, and can expedite repairs before problems escalate.

Proprietary Processes

We maintain detailed, tested protocols for maintaining your equipment in the most efficient way — while keeping patients and staff safe.

Planned Maintenance Program

Regularly scheduled parts maintenance and replacement can help you potentially avoid catastrophic failures.

OEM Parts

The exclusive use of Varian parts helps ensure proper design, pre-testing, and integration with all system components.

Software Upgrades

We provide software and security updates that protect hospital and patient data.

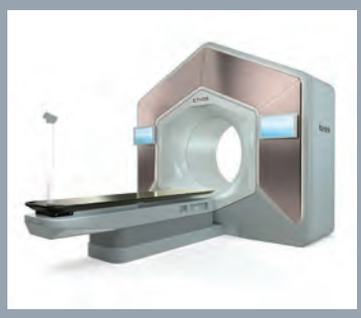
Professional Services Tailored to Your Requirements

Varian's Professional Services organization delivers a wide range of programs tailored to your needs, helping you achieve higher clinical availability, more efficient workflows, safer use of technology, faster treatment times, and a more relaxed patient experience.

More options for your patients

more opportunities for your clinic

TrueBeam®/VitalBeam® Systems
Treatment Procedures with Ease, Speed, and Accuracy



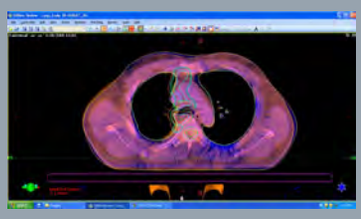
Halcyon®
Intuitive Treatment System

Ethos®
An Adaptive Intelligence™ Solution

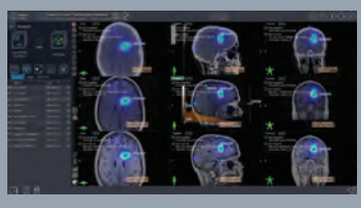
Edge® System
Dedicated Full-Body Radiosurgery Platform

ProBeam®
Proton Therapy Systems

BRAVOS® Afterloader System
Product Suite for Planning and Delivery



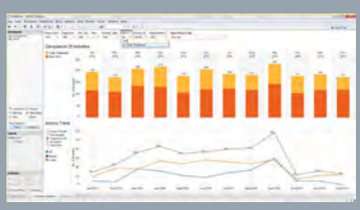
Eclipse™
Treatment Planning System



Velocity™
Oncology Imaging Informatics System

ARIA®
Oncology Information System

Noona®
Patient Outcomes Management Solution



InSightive™
Oncology Analytics

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trueBEAM

Imagine a world without the fear of cancer

Varian Medical Systems has been a pioneer in the field of oncology for more than 70 years. During this time, we have 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 of those affected by cancer, so we can unite around our common goal to fight this disease.

(we do.)

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Expanding the boundaries of hope

1. Not available in every market. Please check availability with your sales representative.
2. Based on Varian IDENTIFY Specification Sheet RAD10699B. Varian Medical Systems, Inc. 2021.
3. Based on Varian IDENTIFY Specification Sheet RAD10699B. Based on 10 cm x 10 cm region of interest (ROI). Varian Medical Systems, Inc. 2021.
4. Product features described in this document relate to TrueBeam version 3.0.

Intended Use Summary

Varian Medical Systems' linear accelerators are intended to provide stereotactic radiosurgery and precision radiotherapy for lesions, tumors, and conditions anywhere in the body where radiation treatment is indicated.

Important Safety Information

Radiation treatments may cause side effects that can vary depending on the part of the body being treated. The most frequent ones are typically temporary and may include, but are not limited to, irritation to the respiratory, digestive, urinary or reproductive systems, fatigue, nausea, skin irritation, and hair loss. In some patients, they can be severe. Treatment sessions may vary in complexity and time. Radiation treatment is not appropriate for all cancers.

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USA, Corporate Headquarters and Manufacturer
Varian Medical Systems, Inc.
3100 Hansen Way
Palo Alto, CA 94304
Tel: 650.424.5700
800.544.4636

Headquarters Europe, Eastern Europe, Middle & Near East, Africa
Siemens Healthineers International AG
Steinhausen, Switzerland
Tel: 41.41.749.8844

Asia Pacific Headquarters
Varian Medical Systems Pacific, Inc.
Kowloon, Hong Kong
Tel: 852.2724.2836

Australasian Headquarters
Varian Medical Systems Australasia Pty Ltd.
Sydney, Australia
Tel: 61.2.9485.0100

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

Varian Medical Systems as a medical device manufacturer cannot and does not recommend specific treatment approaches.
Specifications subject to change without notice.
Not all features, products, or options are available in all markets and are subject to change. Consult your Varian representative for country-specific product availability.

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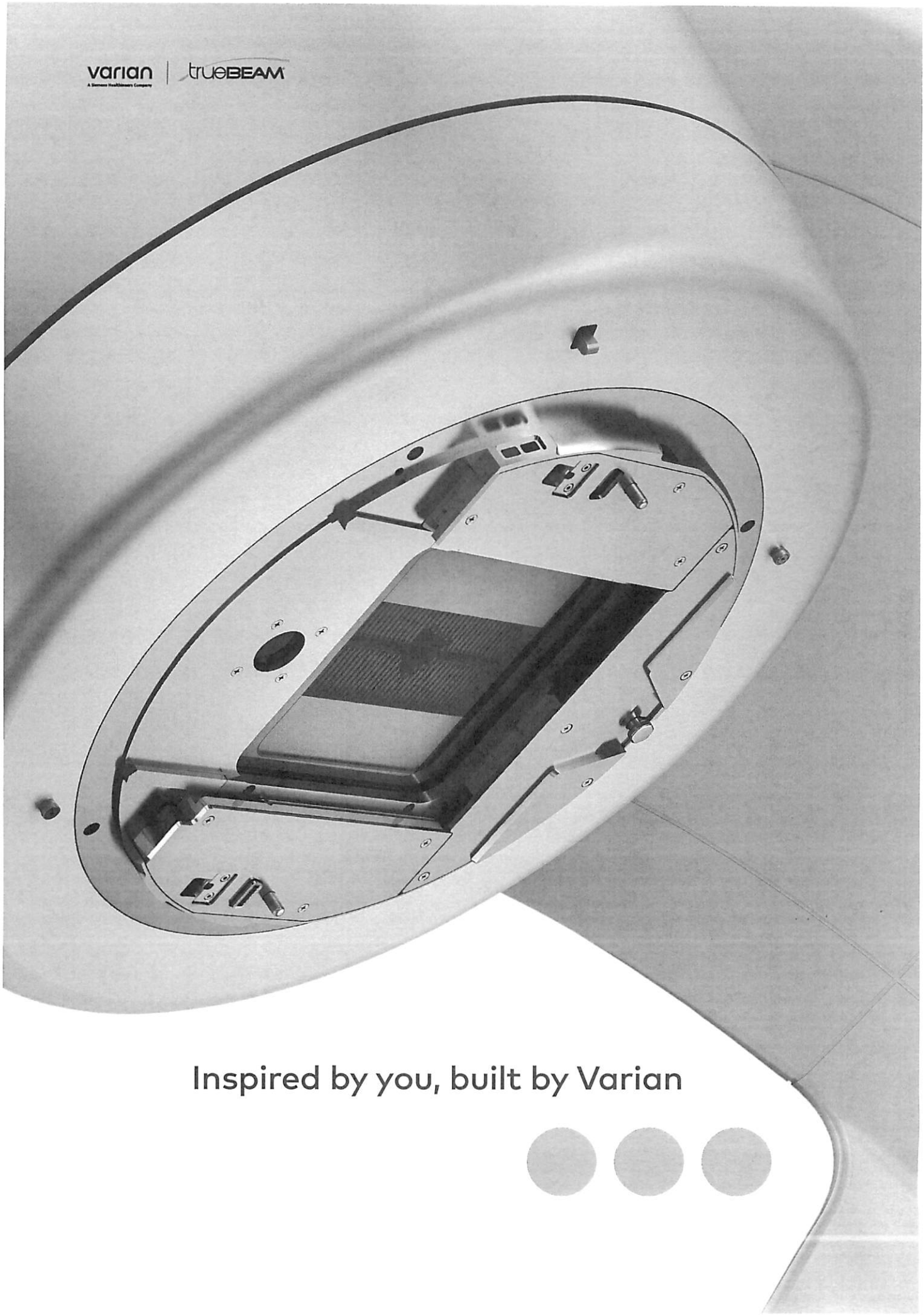
RAD10452C 8/2022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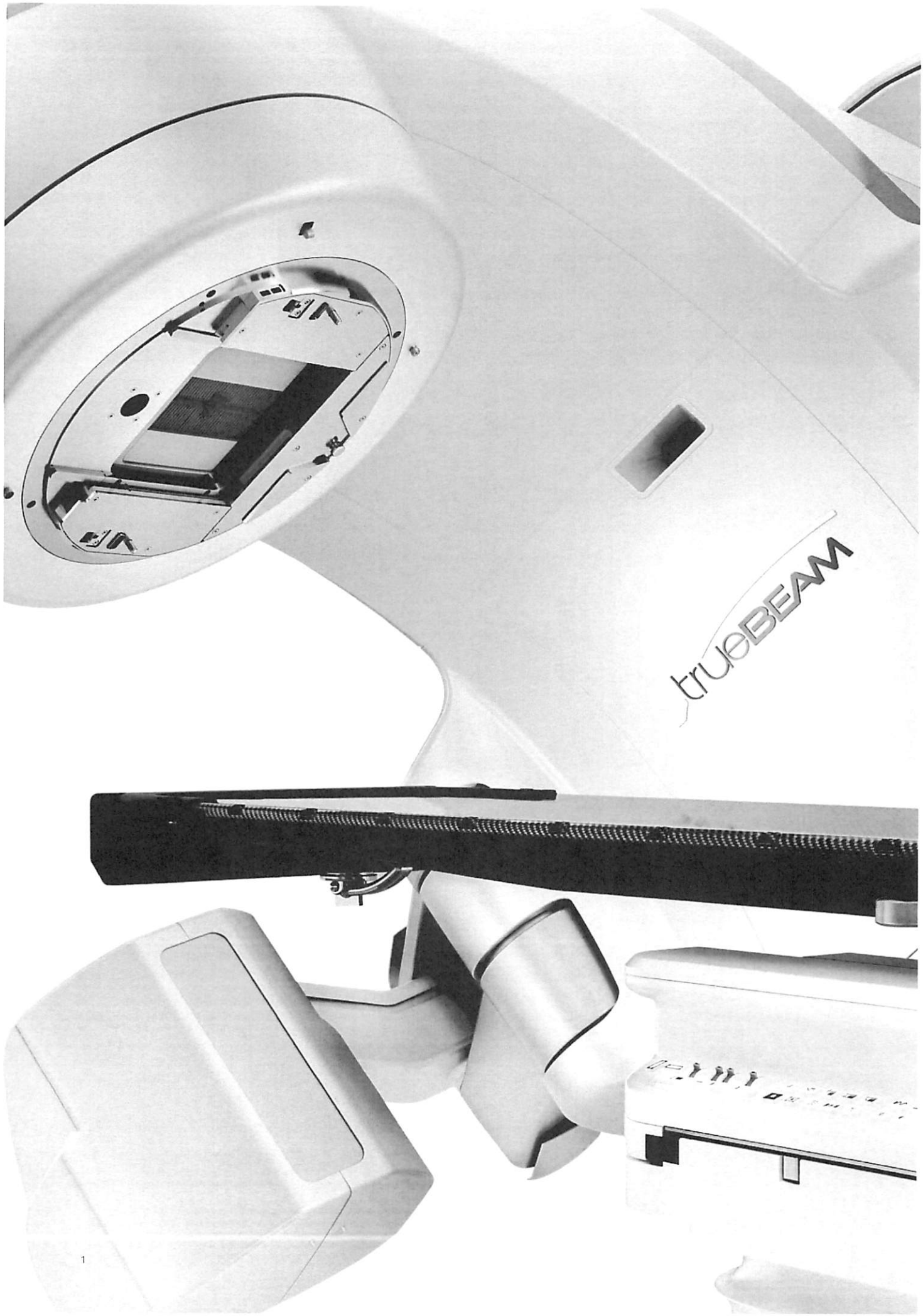
trueBEAM
Inspired by you, built by Varian


trueBEAM

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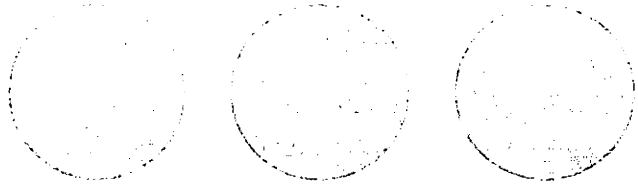

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Hardware

Software

Treatment Regimens

Partner Solutions

Comprehensive Support

New Innovations

Safety Features

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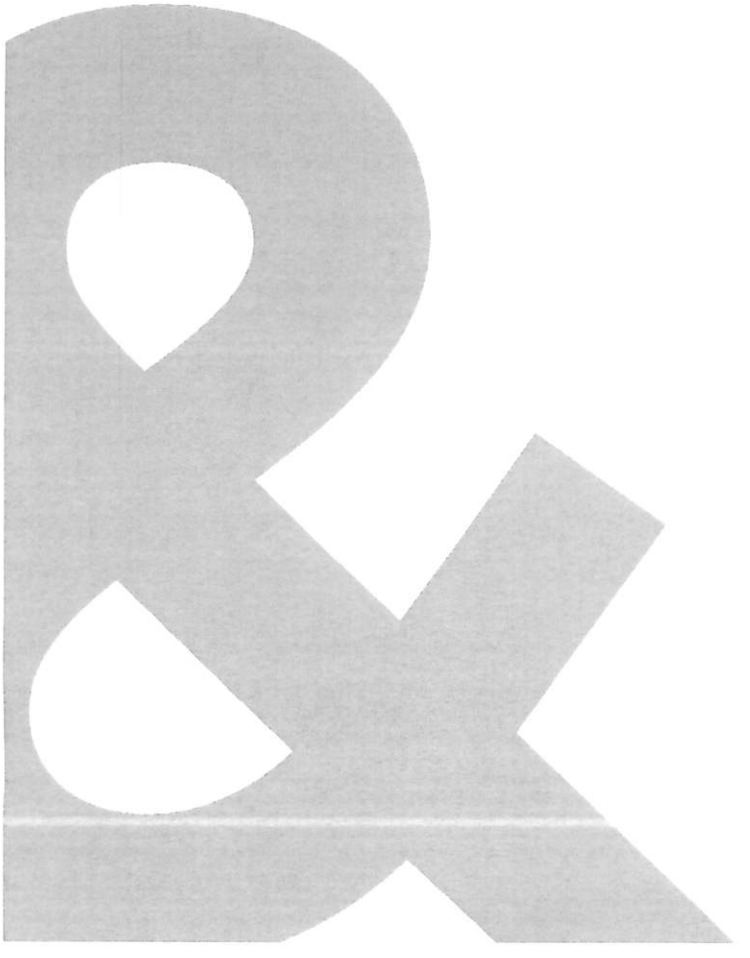

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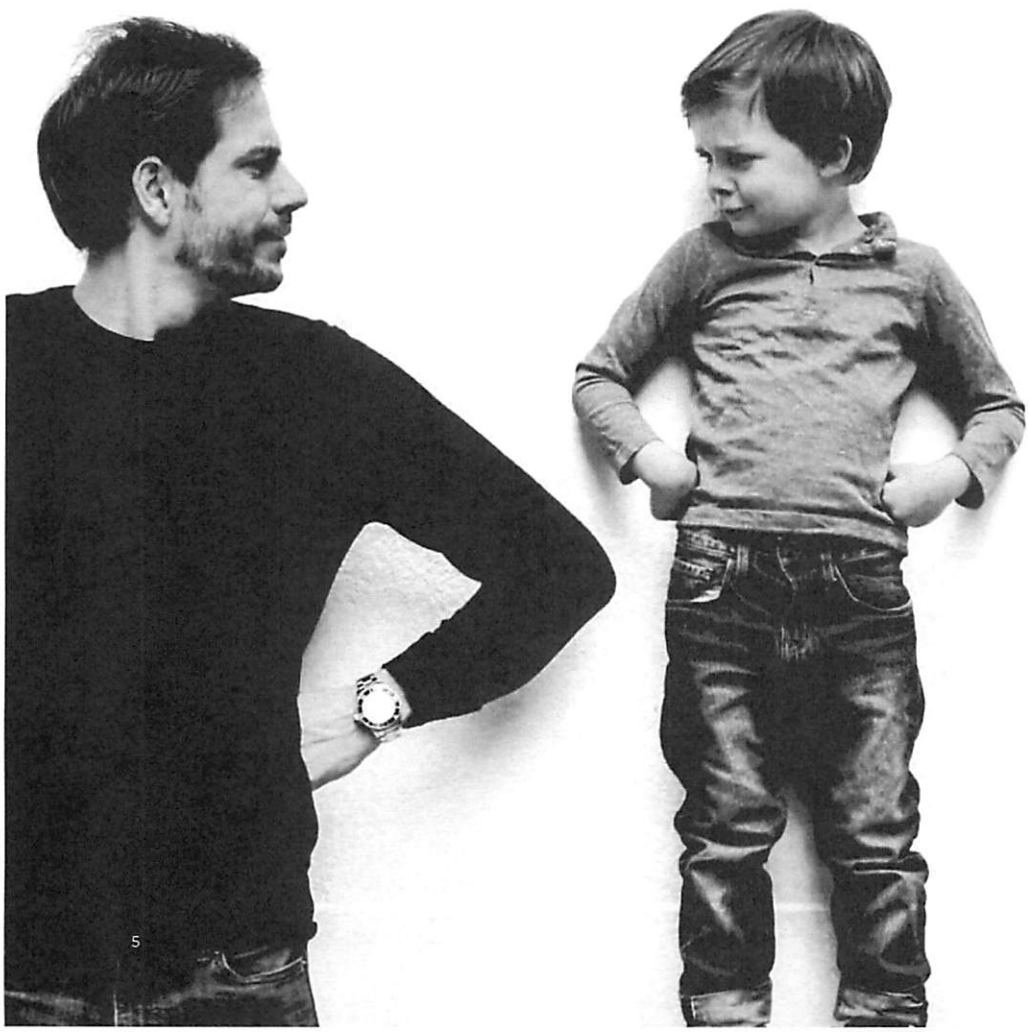

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- Accommodates a variety of treatments and techniques including stereotactic radiosurgery (SRS), stereotactic body radiotherapy (SBRT), and deep inspiration breath hold (DIBH)

HyperArc© High-Definition Radiotherapy

- High-quality, easy delivery of non-coplanar stereotactic radiosurgery (SRS) treatments
- Automated and simplified operations
- Safe, efficient, and accurate
- Designed for patient safety, treatment efficiency, and accuracy

Eclipse™ Treatment Planning System and RapidPlan© Knowledge-Based Planning

- Designed to increase physician productivity
- Customize plans leveraging advanced clinical expertise
- Develop plans for virtually every type of radiotherapy

PerfectPitch™ 6 Degrees of Freedom (6DoF) Couch

- More flexibility in patient setups
- Adds pitch and roll axes
- Potential to treat more patients with higher accuracy

Applied Intelligence Systems for Deeper Insights

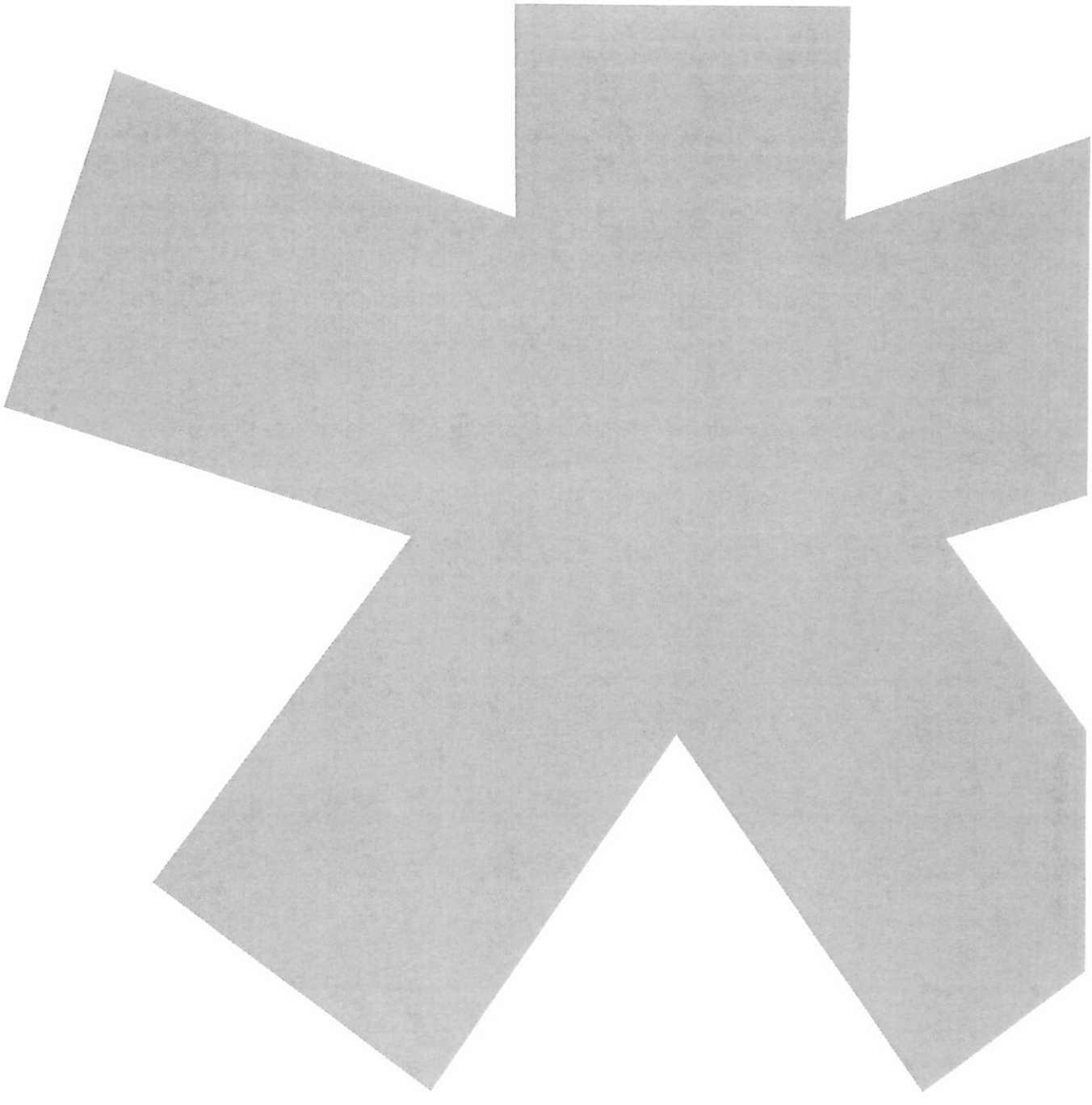
- Mine your data for actionable intelligence
- Consolidate scans and treatment plans for new insights
- Transition to data-based decision-making

ARIA© Oncology Information System

- Compare acute responses to treatment and long-term clinical outcomes
- Develop disease-specific clinical protocols
- Make confident decisions with rule-based decision support

Safety Capabilities to Enhance Confidence

- Simple, automated operation
- Multiple layers of safety built in
- Constant accuracy checks



An innovative ecosystem of oncology solutions.

We are elevating cancer care through ingenuity.

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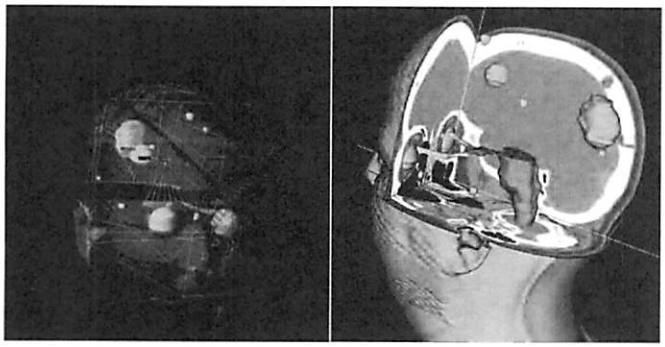
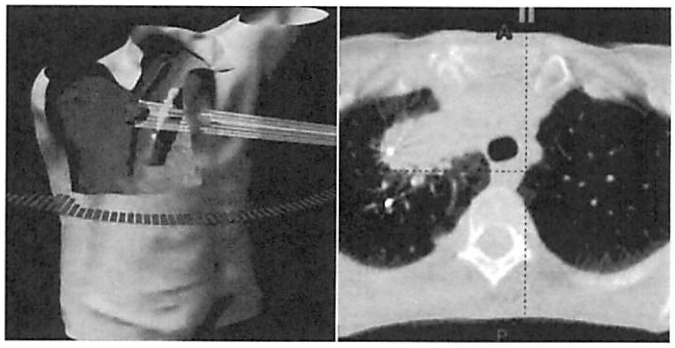
More choices for a wider range of cancer cases

The depth and breadth of technology integration in the TrueBeam platform is designed to enable clinicians to treat a wider array of cancer cases using a diverse range of radiation therapies.

Clinical cases in head and neck cancers, lung, breast, prostate, liver, and more are addressed by TrueBeam using SRS, stereotactic body radiation therapy (SBRT), HyperArc, volumetric modulated radiation therapy (VMAT), intensity-modulated radiation therapy (IMRT), image-guided radiotherapy (IGRT) and RapidArc radiotherapy.



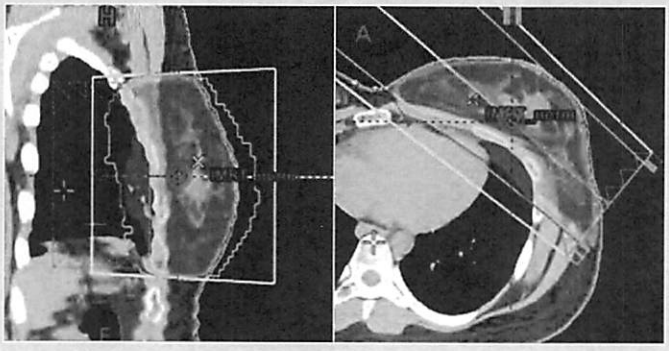


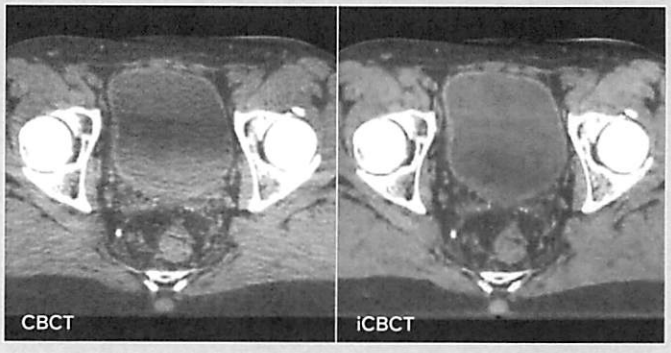
Multiple Brain Metastases

- HyperArc high-definition radiotherapy enables single-click delivery of fully automated non-coplanar cranial SRS treatments. New algorithms in treatment planning allow collision-free single isocenter delivery with steep dose gradients
- Leveraging the Eclipse treatment planning infrastructure, HyperArc allows planning of single and multiple metastases as well as primary brain tumors
- The HD120™ multileaf collimator sculpts the dose with high conformity while sparing surrounding tissue and/or organs at risk
- The PerfectPitch 6 DoF couch allows precise patient positioning based on 3D image guidance

Lung

- Online 4D CBCT allows you to visualize target motion in 3D, verifying target motion is as expected from the treatment plan. Automated acquisition of multiple 3D CBCT data sets, all synchronized with respiration, allows 3D patient setup using a specific respiration phase, an averaged motion image, or a maximum intensity projection image
- With gated CBCT, image acquisition occurs during the planned beam-on time only, reducing image artifacts due to motion, and allowing visualization of the target under planned treatment delivery conditions
- Short arc CBCT allows fast 3D CBCT image acquisition within a single breath hold
- The Visual Coaching Device provides patients with active feedback on their respiration, allowing respiration stabilization for free breathing gated treatment delivery, and consistent breath-hold motion extent for breath-hold treatment





Breast

- Delta couch shift supports initial patient setup using a single stable tattoo mark, with a pre-programmed automated shift to the treatment isocenter
- Eclipse IMRT tools, such as field-in-field planning, help create treatment plans designed to minimize radiation exposure of heart and lung tissue
- Real-time respiratory gating supports deep inspiration breath-hold treatments for left lung, allowing reduction of treatment margins due to target motion and minimizing exposure of heart tissue

Prostate

- Intrafraction motion during treatment delivery can be detected using fully automated radiographic imaging, with image acquisition triggered on monitor unit, time, or gantry angle increments
- Auto beam hold tracks implanted fiducial positions during triggered image acquisition, automatically asserting a beam hold when a fiducial is detected to be out of position
- On-demand imaging allows you to initiate kV, MV, and CBCT images at any time during the treatment
- Iterative CBCT reconstruction is designed to provide unparalleled image quality, enhancing bony anatomy and soft tissue visualization

Open to innovation from multiple sources

No one knows where the next innovation in cancer treatment will come from. One thing is certain: great ideas come from everywhere, and great ideas should be shared. The more open you are to integration, the sooner your patients and your clinic will benefit.

Varian is committed to cultivating an environment that connects you in multiple dimensions. To the integrated features and functions of the TrueBeam system. To the added value of our full suite of oncology solutions. To the complementary innovations of our vibrant partner ecosystem. To the latest research and breakthrough concepts in development. And to the entire oncology community—from diagnosis to survivorship.

TrueBeam Developer Mode: Endless Collaborative Research Opportunities

The Developer Mode option allows for broad 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 the fingertips of researchers.

Collaborative Ecosystem: Expanding the Reach

TrueBeam further extends clinical options by integrating with solutions, technologies, and innovations from our strong and growing ecosystem of third-party companies, including Epic electronic medical records systems, the Cerner Patient Observer™ system, Brainlab ExacTrac Dynamic®, VisionRT AlignRT®, and C-Rad Catalyst HD devices and more.

Comprehensive service, collaborative support

Varian provides responsive service that helps keep your TrueBeam system online, your clinicians productive, and your patient satisfaction scores high. You get the right parts and the most up-to-date software, installed and maintained the right way by Varian-trained professionals — virtually anywhere in the world. We combine a full range of capabilities, including:

Knowledge and Experience

Varian service professionals receive up-to-date classroom instruction, on-the-job training, and advanced workflow tools, and give you exclusive access to Varian product engineers and system designers.

SmartConnect® Plus

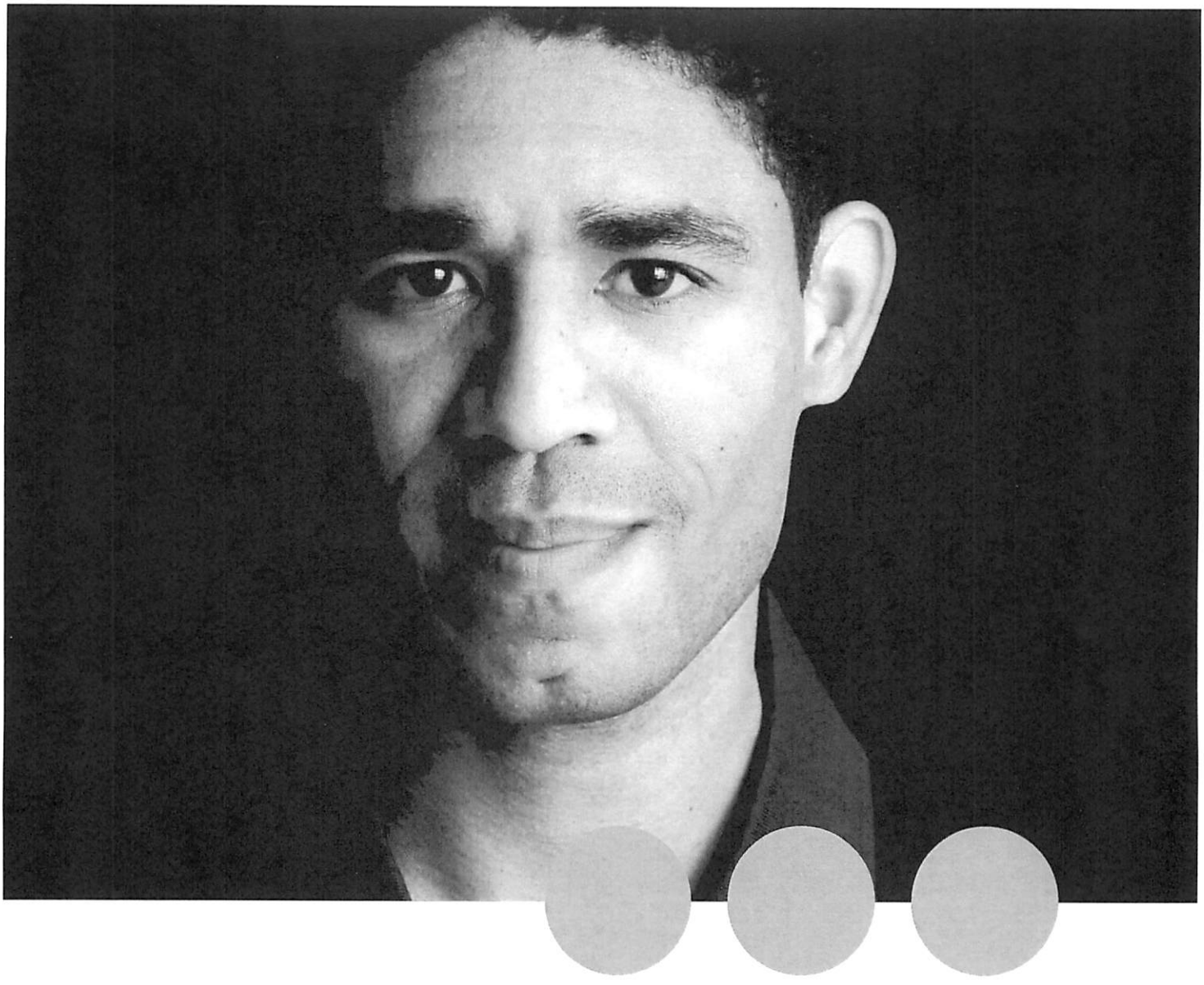
Remote equipment monitoring automatically alerts Varian to potential issues, proactively diagnoses the issue, and can expedite repairs before problems escalate.

Proprietary Processes

We maintain detailed, tested protocols for maintaining your equipment in the most efficient way — while keeping patients and staff safe.

Planned Maintenance Program

Regularly scheduled parts maintenance and replacement can help you potentially avoid catastrophic failures.



OEM Parts

The exclusive use of Varian parts helps ensure proper design, pre-testing, and integration with all system components.

Software Upgrades

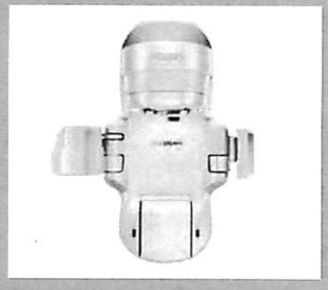
We provide software and security updates that protect hospital and patient data.

Professional Services Tailored to Your Requirements

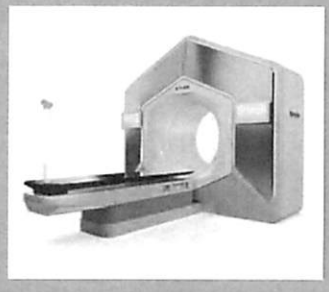
Varian's Professional Services organization delivers a wide range of programs tailored to your needs, helping you achieve higher clinical availability, more efficient workflows, safer use of technology, faster treatment times, and a more relaxed patient experience.

More options for your patients

more opportunities for your clinic



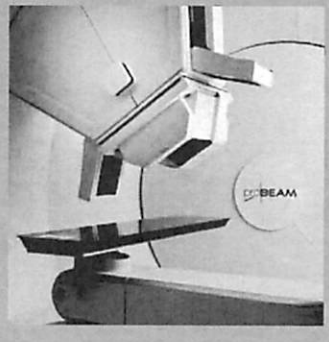
TrueBeam®/VitalBeam® Systems
Treatment Procedures with Ease, Speed, and Accuracy



Halcyon®
Intuitive Treatment System

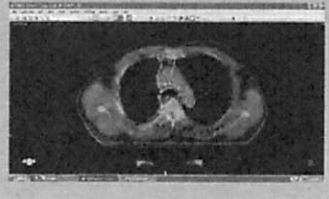
Ethos®
An Adaptive Intelligence™ Solution

Edge® System
Dedicated Full-Body Radiosurgery Platform



ProBeam®
Proton Therapy Systems

BRAVOS® Afterloader System
Product Suite for Planning and Delivery

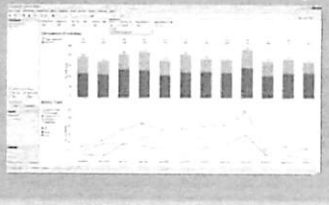


Eclipse™
Treatment Planning System

Velocity™
Oncology Imaging Informatics System

ARIA®
Oncology Information System

Noona®
Patient Outcomes Management Solution



InSightive™
Oncology Analytics

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Imagine a world without the fear of cancer

Varian Medical Systems has been a pioneer in the field of oncology for more than 70 years. During this time, we have 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 of those affected by cancer, so we can unite around our common goal to fight this disease.

(we do.)

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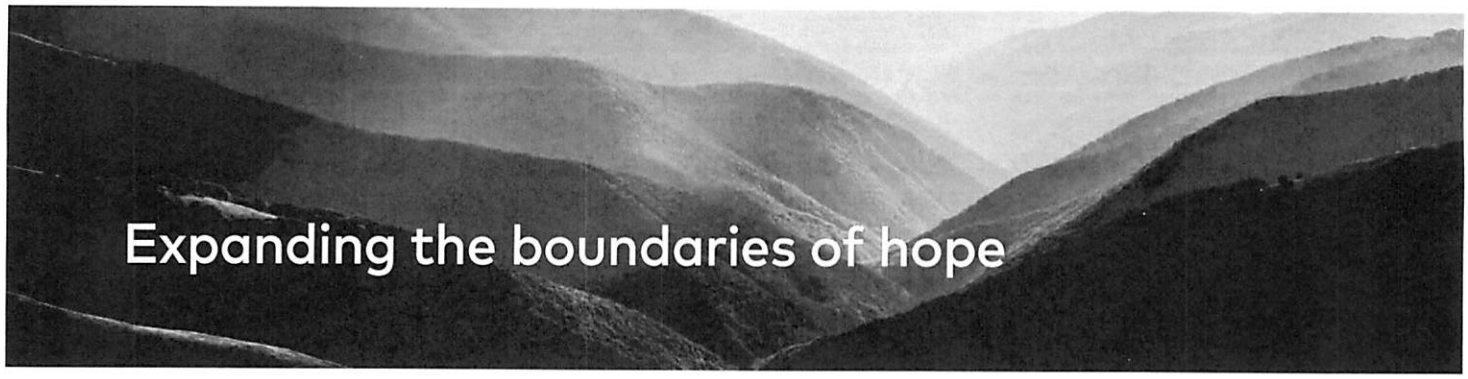

1. Not available in every market. Please check availability with your sales representative.
2. Based on Varian IDENTIFY Specification Sheet RAD10699B. Varian Medical Systems, Inc. 2021.
3. Based on Varian IDENTIFY Specification Sheet RAD10699B. Based on 10 cm x 10 cm region of interest (ROI). Varian Medical Systems, Inc. 2021.
4. Product features described in this document relate to TrueBeam version 3.0.

Intended Use Summary

Varian Medical Systems' linear accelerators are intended to provide stereotactic radiosurgery and precision radiotherapy for lesions, tumors, and conditions anywhere in the body where radiation treatment is indicated.

Important Safety Information

Radiation treatments may cause side effects that can vary depending on the part of the body being treated. The most frequent ones are typically temporary and may include, but are not limited to, irritation to the respiratory, digestive, urinary or reproductive systems, fatigue, nausea, skin irritation, and hair loss. In some patients, they can be severe. Treatment sessions may vary in complexity and time. Radiation treatment is not appropriate for all cancers.

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Specifications subject to change without notice.
Not all features, products, or options are available in all markets and are subject to change. Consult your Varian representative for country-specific product availability.

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