

VA MEDICAL CTR (WT

TRADE-IN: 21EX (Serial # 2176)

V.A. Medical Cente

A&MMS (90D)

1481 W 10TH STREET

INDIANAPOLIS, IN 4 P.O.# 583-B30031 P.O.# 583-B30041

Section 1 TrueBeam STx with HD MLC

1.01 1 TrueBeam STx Package

1.02 1 TrueBeam STx System

TrueBeam STx System

Premium performance image-guided radiosurgery system

FEATURES:

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

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

collimator and field size for that collimator are in place for that patient's treatment plan.

PREREQUISITES:

- ARIA Practice Management, Version 8.8.15, or comparable third party oncology information system.
- ARIA Rad Onc, including Eclipse, Version 8.9.09.1, or comparable third party oncology information / treatment planning system

1.03 1 Base System Treatment License

Includes static and arc X-ray treatment delivery license, supports maximum dose per field of 2500 MU for static fields and 7200 MU for intensity modulated fields

1.04 1 TrueBeam Online Marketing Program

Access to the TrueBeam™ Online Marketing Program which provides a broad range of advertising, educational, promotional, and public relations materials targeted to referring physicians, patients, and the media.

1.05 1 New Baseframe

1.06 1 INCL ED: TB201 TrueBeam for Physicists

The following Education Course is included with the purchase of a TrueBeam.

- Includes Tuition and Materials for ONE person
- Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)
- Training is non-refundable and non-transferable
- Offer is valid for 18 months after installation of product

TrueBeam Physics and Administration

TrueBeam Physics and Administration course is designed for those personnel responsible for the acceptance, commissioning and QA program development of the TrueBeam in the clinical environment. It is directed primarily towards Medical Physicists. It is recommended that the student attend the TrueBeam Physics and Administration course shortly before the installation of the TrueBeam.

The course provides instruction of the basic delivery components, basic imaging components and a general overview of the motion management system components. Machine commissioning, calibration, QA and the responsibilities of Customer Acceptance Procedure (CAP) of the machine are included. The course subject matter is presented from a clinical use perspective. The primary emphasis is on the overall commissioning, calibration, and QA of the TrueBeam and its components. Extensive hands-on laboratory exercises are included.

PREREQUISITES: None

Length:

4 days

1.07 1 STD TRNG: TrueBeam On-Site Support

- Includes support for TrueBeam
- Support is non-refundable and non-transferable
- Offer is valid for 18 months after purchase

On site follow-up review of the TrueBeam components to include imaging and motion management for support of patient treatment. The emphasis of this support is to ensure that the therapists that attended the TrueBeam Operations (on-site) training are able to operate the TrueBeam in a safe and effective manner in the clinical environment.

PREREQUISITES: TrueBeam Operations (on-site) training

1.08 2 INCL ED: TB101 TrueBeam Operations

The following Education Course is included with the purchase of a TrueBeam:

- Includes Tuition and Materials for ONE person
- Customer is responsible for all travel expenses (airfare, hotel, rental car, meals and travel incidentals)
- Training is non-refundable and non-transferable
- Offer is valid for 18 months after installation of product

TrueBeam Operations is a course designed for those personnel responsible for the routine operation and clinical use of the TrueBeam. It is directed primarily towards Radiation Therapists. It is recommended that both students attend the TrueBeam Operations course shortly before clinical use and the commencement of patient treatments.

The course provides instruction of the basic delivery components, basic imaging components and a general overview of the motion management system components. The course subject matter is presented from a clinical use perspective. The primary emphasis is on the overall understanding of the TrueBeam function and operation to include imaging and respiratory gating. Extensive hands-on laboratory exercises are included. The attendees of this class will be provided tools to allow them to instruct other clinical staff upon their return.

PREREQUISITES: None

Length:

4 days

1.09 3 INCL ED: UPMC TrueBeam Clinical School

SRS / SABR Multidisciplinary Training - UPMC Course

Who Should Attend: Surgeons (Neurosurgeons, Thoracic Surgeons, Head & Neck

Surgeons), Radiation Oncologists and Medical Physicists

Prerequisites: None.

Course Scope: The SRS/SABR multidisciplinary training program covers Stereotactic Radiosurgery and/or Stereotactic Ablative Radiotherapy (also known as SBRT - Stereotactic Body Radiotherapy) for radiosurgical ablative treatment of intracranial and extracranial tumors and/or lesions. These include:

- i) brain lesions & targets: including primary benign & malignant tumors, metastatic tumors from extracranial sites, and non-cancerous targets such as arteriovenous malformations & trigeminal neuralgia,
- ii) head & neck tumors: such as squamous cell tumors and glomus tumors,
- iii) spine tumors: such as metastatic lesions to vertebral bodies and primary spine tumors),
- iv) thoracic lesions: primarily non-small cell lung cancer and cancers of the mediastinum,
- v) upper and lower GI lesions: including pancreas, primary and metastatic liver, adrenals and lymph nodes.

This multidisciplinary course modeled after the mock tumor board method involves multiple surgical disciplines, radiation oncologists and physicists from UPMC. Each course will be tailored to the surgical discipline(s) in attendance at any given course and will utilize both lecture and a hands-on lab environment covering topics such as SRS clinical considerations and patient immobilization, 4DCT and pre-treatment QA of SRS. Students will participate in a hands-on lab session for both dosimetric QA of SRS plans and the pre-treatment QA. In addition, students will have the opportunity to observe 1 to 2 clinical SRS/SRT cases, including immobilization, imaging, treatment planning, pre-treatment QA and treatment delivery.

1.10 1 Enhanced Beam Specification

The Enhanced Beam Performance Specifications provide tight tolerances for key X-ray and electron beam energy performance specifications. It guarantees point to point conformance of field intensity profiles to Varian-provided Representative Beam Data (formerly known as "gold beam data"), as available, and guarantees point to point conformance of field intensity profiles to within a specified tolerance in the case where Representative Beam Data is not available.

1.11 1 6/6 MV Energy (per BJR 11/17)

40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min

1.12 1 10/10 MV Energy (per BJR 11/17)

40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min

1.13	1	15/16 MV Energy (per BJR 11/17)	
			40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min
1.14	1	6X High Intensity Mode	
			dose rate range 400-1400 MU/Min
1.15	1	Electron Applicator Set	
			6cm x6cm, 6cmx10cm, 10cmx10cm, 15cmx15cm, 20cmx20cm, 25cmx25cm Includes electron arc applicator and final defining aperture mold frame set
1.16	1	6 MeV	
			25 cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min
1.17	1	9 MeV	
			25cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min
1.18	1	12 MeV	
			25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min
1.19	1	16 MeV	
			25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min
1.20	1	20 MeV	
			dose rate range 0-1000 MU/Min
1.21	1	HD 120 (TM) Multileaf Collimator	
			- Performance per RAD 10094 - High resolution leaf width of 2.5 mm (projected at isocenter) for central 8 cm - Leaf width of 5 mm (projected at isocenter) for outer 14 cm
1.22	1	IMRT Treatment Delivery License	
			Capability to simultaneously modulate aperture shape with dose delivery for a static gantry beam
			FEATURES:

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- Simultaneous modulation of MLC aperture shape and dose delivery for a static gantry beam
 - Supports dynamic jaw tracking and collimator rotation with supporting treatment planning system
 - Includes large field IMRT

1.23 1 SRS/SBRT High Total Dose License

Required for delivery of hypofractionated or radiosurgical X-ray treatments

FEATURES:

- Provides the capability to deliver high dose fields for any X-ray treatment
- Supports delivery of up to 6000 MU for a static aperture beam
- Supports delivery of up to 10800 MU for an intensity or volumetric modulated beam

NOTE:

For total body irradiation treatments, the Total Body Treatment Delivery License is required

1.24 1 RapidArc Treatment Delivery License

Capability to simultaneously modulate aperture shape, dose rate, and gantry angle and speed continuously for up to 360 degrees of gantry rotation, with delivery as an arc beam.

When coupled with RapidArc Planning and a RapidArc-compatible information system, provides the capability to generate IMRT-quality dose distributions in a single, optimized arc around the patient. When coupled with the Optical Imager, provides the capability for Gated RapidArc.

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
- Provides IMRT-quality dose distributions in a single arc delivery in less than 2 minutes

1.25 1 Total Body Treatment Delivery License

Capability to deliver High Dose Total Skin Electron Treatment, Total Body Electron Irradiation, and Total Body X-ray Irradiation treatments

FEATURES:

- Supports delivery of up to 6000 MU for Total Body Irradiation treatments
- Supports delivery of up to 9000 MU for High Dose Total Skin Electron treatments

For electron based treatments, 6 MeV and/or 9 MeV and corresponding 6 MeV

HDTSE and/or 9 MeV HDTSE must be selected.

1.26 1 6 MeV High Dose Total Skin Electron Mode

Dose rate range 0-2500 MU/Min

Pre-requisite(s)

- 6MeV
- Total Body Irradiation Treatment Delivery License

1.27 1 MV Imager

MV image acquisition and data analysis for target localization, patient positioning and motion management

FEATURES:

- Performance per RAD 10094
- High precision, isocenter-aligned positioning system
- aS1000 detector system for low dose, high resolution imaging
- 2D image acquisition before, after, and during treatment delivery
- Online image review and analysis

1.28 1 Basic MV Imaging License

Provides capability for radiographic and cine imaging and basic imaging matching for treatment verification

1.29 1 Advanced MV Radiographic

maging, image analysis, and marker match

1.30 1 Dynamic MV Imaging License

Provides capability for respiration-synchronized MV radiographic image acquisition

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PRE-REQUISITE:

Optical Imager and accompanying Respiratory Gating Licence

1.31 1 Portal Dose Image Acquisition License

Provides capability for portal dose image acquisition

1.32 1 Port Film Graticule

Set of upper and lower port film graticules

1.33 1 kV Imager

kV Image acquisition and data analysis, analysis for target localization, patient positioning and motion management.

FEATURES:

- Performance per RAD 10094
- High precision, isocenter-aligned positioning system
- X-Ray source and detector
- 2D image acquisition before, after, or during treatment delivery
- Online image review and analysis

1.34 1 Basic 2D kV Imaging License

Provides capability for 2D kV radiographic image acquisition and analysis, pretreatment fluoroscopic verification imaging and analysis, 2D marker matching, 2D MV/kV imaging and analysis, fluoroscopic image acquisition during treatment delivery

1.35 1 kV CBCT Imaging License

Provides capability to acquire, process, and analyze in 3D a cone-beam volumetric CT dataset

1.36 1 Dynamic kV Imaging License

Provides capability for respiratory gating-triggered kV radiographic image acquisition, during, after, and before treatment delivery.

PRE-REQUISITE:

Optical Imager and accompanying Respiratory Gating License

1.37 1 Optical Imager

Stereoscopic optical imaging system for monitoring patient respiratory motion and 3D patient position

Performance per RAD 10094

1.38 1 Respiratory Gating License

Respiratory Gating License

FEATURES:

- Provides the capability to synchronize image acquisition and treatment delivery with respiration
- 3D patient position monitoring
- Capability for gated arc therapy

1.39 1 INCL ED: CL222 Respiratory Gating

- Includes Tuition and materials for ONE person.
- Attendees will be responsible for their own, airfare, hotel, rental car, meals and other travel incidentals.
- Training is non-refundable and non-transferable.
- Offer is valid for 18 months after installation of product.

The RPM course provides training for physicists, or therapists, to obtain knowledge of the principles and practice of respiratory gating in radiation oncology for clinical implementation.

Duration:

1 1/2 days

1.40 1 IGRT Couch Top

Carbon fiber treatment couch top, free of metal or other radiation-opaque materials, thereby reducing imaging artifacts

FEATURES:

- Clinically usable section of 120.0 cm
- Supports patients up to 500 lbs (227 kg)
- Indexed Immobilization® for compatible accessories
- Head extension with interface for alternative patient immobilization and positioning device

1.41 1 Exact IGRT Bar

The Exact IGRT bar is designed specifically to facilitate increased positive attachment of compatible accessories, such as the Patient Fixation vacuum form cushions. The bar is compatible with the Exact Couch Patient Fixation. While compatible with the vacuum form cushions of Patient Fixation with BF14 Baseplate, the lock bars will not secure the BF14 baseplate to the Exact IGRT couch top.

1.42 1 CIVCO Body Pro-Lok Deluxe

The CIVCO Body Pro-Lok System aids in providing comfortable patient positioning and immobilization for SBRT, Rapid Arc™, IMRT and Protons. Body Pro-Lok's bridge system provides numerous immobilization options for complex set ups. The platform allows you to use most two-pin indexable positioning devices including Vac-Lok Cushions, head & neck fixation devices and arm supports.

1.43 1 Standard Stand Configuration

1.44 1 Upper Wedge Set

4-way wedge Set, including 15°, 30°, 45°, 60° wedges

1.45 1 25 Drilled Block Trays

Drilled MEDTEC Star trays, 0.635 cm thickness
Starting shadow block kit

1.46 1 Patient/Accessory Verification System

Provides the capability of accessory identification through use of a barcode scanning system. Patient verification is not supported.

FEATURES:

- One (1) Bar Code Scanner
- One barcode label printer

PREREQUISITES:

- ARIA Practice Management, Version 8.8.15

1.47 1 Motion View

CCTV Camera Kit

FEATURES:

- Two pan, tilt, zoom CCTV cameras
- Two desktop, 8 1/4 inch LCD displays with built in camera controls
- Adjustable viewing angle for patient privacy
- Push button pan, tilt, zoom, and home position control

1.48 1 LAP Apollo Green Room Laser Kit

LAP Apollo Green Room Laser Kit

FEATURES:

- 1 Apollo Green Remote Controlled Ceiling Crosshair Laser
- 2 Apollo Green Remote Controlled Lateral Crosshair Lasers
- 1 Apollo Green Remote Controlled Sagittal Line Laser

1.49 1 Additional CCTV Camera System

Additional CCTV Camera Kit

FEATURES:

- Two pan, tilt, zoom CCTV cameras
- Two desktop, 81/4 inch LCD displays with built in camera controls
- Adjustable viewing angle for patient privacy
- Push button pan, tilt, zoom, and home position control

Prerequisites:

Motion View must be selected or installed

1.50 1 Power Cond., 3phase 50KVA, TrueBeam

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.

1.51 1 Main Circuit Breaker Panel

General Electric Co. main circuit breaker panel, interfacing to a single power input feed from the facility Mains. Circuit breakers provide independent over-current protection for equipment at the console and in the treatment room. UL and IEC/CE certified.

1.52 1 Filtrine Water Chiller: HE

Section 2 Additional Off-Site Training
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2.01 119 Varian Education Flex-Credit

Varian Education FlexCredits are to be used for the purchase of Education courses provided by Varian Medical Systems at one of our education centers. Entitlement training is not transferable for other courses, products or services and cannot be applied towards flex credits.

Varian Education FlexCredits are applicable only to Varian Education courses. FlexCredits cannot be applied towards the purchase other Varian products or services. Varian Education FlexCredits expire 24 months after purchase.

Flex credits are for the intended use of the courses as listed below. These courses are interchangeable for other Varian education courses, provided that the changes are equivalent to the total quantity of flex credits purchased.

Training Descriptions and Credits Required:

ED: EC101 Eclipse Basic Operations - (Qty: 3, 5 credits each)

Replaces Course Eclipse Operations EDB001002013

Designed for Medical Dosimetrists

Pre-Requisites: Clinical training in Dosimetry

Software Version: V11 – for other versions please contact your training coordinator

Description: This course is designed for the new user of the Eclipse Treatment Planning System. It covers the fundamentals of the Eclipse workflow: DICOM Import and Export, Image Registration, Contouring Tools, External Beam Planning, Plan Evaluation, and Treatment Preparation. By the end of this course, the student will be able to import or export patient digital images; segment structures using manual and automatic tools; create 3D treatment plans from scratch or from existing templates; calculate dose and evaluate plans using DVH and other tools; register CT/MRI/PET scans to one another; and prepare plans for treatment within the ARIA environment. The course consists of lectures, instructor-led demonstrations, and individual hands-on exercises.

PLEASE NOTE: This course does not include instruction on IMRT/ RapidArc (see EC102) or System/Algorithm Physics and Configuration (see EC201 and EC202).

Duration & Location 4.5 days at Las Vegas, Nevada, USA

FlexCredits Eligible

ED: EC201 Eclps Comsn I - Admin & Algo - (Qty: 3, 5 credits each)

Replaces Course Eclipse Administration and Physics EDB001002014

Designed for Medical Physicists

Pre-Requisites: Masters degree in Medical Physics, or equivalent

Software Version: V11 – for other versions please contact your training coordinator

Description: This course provides training for the individual responsible for commissioning and administration of the Eclipse Treatment Planning System in a clinical, external beam radiation therapy department. The course focuses on the configuration of Eclipse dose calculation algorithms (PBC, AAA, AcurosXB, GGPB and eMC), including demonstration of model configuration and discussion of beam data collection requirements. Essential administrative tasks including OSP settings (user login, user rights for system), Radiation oncology settings (external beam machine definition, CT scanner definition, imaging templates, tolerance tables, isodose templates, dosimetrically equivalent machines) are also included in this course. Essential planning skills are practiced throughout. PLEASE NOTE: This course does not cover the optimization algorithms, interface or QA for IMRT, VMAT or RapidArc (see EC202).

Duration & Location 4.5 days at Las Vegas, Nevada, USA

FlexCredits Eligible

ED: EC202 Eclps Comsn II - IMRT VMAT & R - (Qty: 3, 5 credits each)

Replaces Course EIP Administration and Physics EDB001002015

Designed for Medical Physicists

Pre-Requisites: Completion of course EC201 Eclipse Commissioning I, or be able to demonstrate equivalent Eclipse knowledge

Software Version: V11 – for other versions please contact your training coordinator

Description: This continuation of EC201 provides training for the individual responsible for commissioning and administration of the inverse planning modules within Eclipse. It covers the implementation of Intensity Modulated Radiation Therapy (IMRT) and Volumetric Modulated Radiation Therapy (VMAT - RapidArc) treatment techniques in Eclipse, and focuses on the Eclipse optimization algorithms (DVO, BAO, PRO). In addition, the basics of Varian Multileaf Collimators (MLCs) are discussed with an overview of essential QA procedures. The course includes overview of plan delivery as well as practical QA and commissioning examples (DLG measurement demonstrated and VMAT commissioning tests).

PLEASE NOTE: This course does not cover basic machine configuration, general system administration or the commissioning of essential dose calculation algorithms such as PBC, AAA or AcurosXB (see EC201).

Duration & Location 4.5 days at Las Vegas, Nevada, USA

FlexCredits Eligible

ED: EC102 Eclips Inv Plng - IMRT and Rar - (Qty: 3, 4 credits each)

Replaces Course EIP Operations EDB001002016

Designed for Medical Dosimetrists experienced in Eclipse

Pre-Requisites: Completion of EC101 Eclipse Basic Operations, or be able to demonstrate equivalent knowledge.

Software Version: V11 – for other versions please contact your training coordinator

Description: This course is designed to be taken by an experienced Eclipse user. We recommend at least 2-3 months of continuous Eclipse use before attending this class. It covers the detailed use of Inverse Plan Optimizers within Eclipse for the creation of both IMRT and RapidArc plans. During this course, the student will work through clinically relevant examples such as prostate, head and neck and metastatic spine cases, preparing them to create intensity modulated treatment plans back in the clinic. The course consists of lectures, instructor-led demonstrations, and individual hands-on exercises. PLEASE NOTE: This course does not include instruction on basic Eclipse Operations (see EC101). It does not cover system and MLC Configuration, IMRT/RapidArc QA, or the physics and commissioning of any algorithms (see EC201 and EC202).

Duration & Location 4.0 days at Las Vegas, Nevada, USA
FlexCredits Eligible

ED: EC112 Eclipse Inv Plan - RapidArc Only - (Qty: 1, 2 credits each)

Replaces Course RapidArc Operations EDB001002030

Designed for Medical Dosimetrists experienced in Eclipse and IMRT

Pre-Requisites: Completion of EC101 Eclipse Basic Operations, or be able to demonstrate equivalent knowledge.

Software Version: V11 – for other versions please contact your training coordinator

Description: This course replicates the last day of EC102 and has been designed specifically for experienced Eclipse IMRT users who are new to RapidArc. It is also suitable for experienced RapidArc users changing from version 8.9 or earlier. It covers the detailed use of Progressive Resolution Optimizer within Eclipse for the creation of RapidArc plans only. The course consists of lectures, instructor-led demonstrations, and individual hands-on exercises.

PLEASE NOTE: This course does not include instruction on basic Eclipse Operations (see EC101), IMRT planning (see EC102). It does not cover system and MLC Configuration, IMRT/RapidArc QA, or the physics and commissioning of any algorithms (see EC201 and EC202).

Duration & Location 2.0 days at Las Vegas, Nevada, USA
FlexCredits Eligible

ED: TB201 TrueBeam for Physicists - (Qty: 2, 5 credits each)

Replaces Course TrueBeam Physics and Administration EDB001002039

Designed for Medical Physicists

Pre-Requisites: Masters degree in Medical Physics, or equivalent

Software Version: TrueBeam 1.6

Description: This course provides training for Medical Physicists responsible for TrueBeam in a clinical environment. This course describes TrueBeam's component hardware, software and control systems. Applicable settings in OSP, administration and user rights are discussed. Treatment and imaging applications are described with use cases in MV imaging, kV paired images, Marker Match, CBCT and Respiratory Gating. Delivery of Conformal, Automated, IMRT, RapidArc, Gated, and Electron fields is reviewed. Pre-treatment QA and delivery is demonstrated. QA tests delivered with the machine as well as RapidArc commissioning tests are discussed and demonstrated. The Service application is demonstrated with an overview of interlocks and faults. Absolute Dose and imaging calibrations are covered.

PLEASE NOTE: For more in-depth calibration and maintenance training, see TrueBeam Technical Maintenance I & II.

Duration & Location 4.0 days at Las Vegas, Nevada, USA
FlexCredits Eligible

ED: TB101 TrueBeam Operations - (Qty: 3, 5 credits each)

Replaces Course TrueBeam Operations EDB001002040

Designed for Radiation Therapists who will treat patients on a daily basis and will be able to teach TrueBeam others users in the department

Pre-Requisites: Clinical training in Radiation Therapy. Clinical experience if treating patients on Varian machines. Clinical experience of IGRT, OBI and Cone-Beam CT.

Software Version: TrueBeam 1.6

Description: This course provides training for Radiation Therapists responsible for operation of the TrueBeam machine in the clinical environment. In this course provides an overview of the TrueBeam system, providing hands-on training to include; basic morning QA, emergency start-up/shut-down, overview and use of system/machine components. Numerous treatment scenarios are also incorporated: basic treatment, automated treatment, kV and MV imaging, marker match, Cone-Beam CT, gating, and emergency treatment. Those attending this course are expected to return to their clinic and train other therapists on the use of TrueBeam.

PLEASE NOTE: For those with limited experience of either Image Guided Radiotherapy or limited experience of Varian machines, please see the course TB100 – TrueBeam Operations with Imaging Foundation.

Duration & Location 4.0 days at Las Vegas, Nevada, USA
FlexCredits Eligible

ED: TrueBeam Technical Maintenance 1 - (Qty: 1, 17 credits each)

Replaces Course TrueBeam Technical Maintenance I EDB001002042

Designed for Biomedical Engineers

Pre-Requisites: Training and experience in advanced electronic technology.

Software Version: n/a

Description: It is the intent to acquaint and familiarize the student with the general accelerator function, operation and routine support. The course will give a basic technical understanding of machine concepts and day-to-day maintenance while providing a working terminology for communication with service personnel.

Duration & Location 10.0 days at Las Vegas, Nevada, USA
FlexCredits Eligible

ED: HD MLC Technical Maintenance - (Qty: 2, 9 credits each)

Replaces Course HD 120MLC TM Training EDB001002046

Designed for Biomedical Engineers

Pre-Requisites: Experience with Window95/98/NT 4.0/XP Operating Systems.

Training and experience with advanced computer controlled electro-mechanical technology would also benefit the student

Software Version: n/a

Description: This course will cover emergency and safety procedures, detailed system description, Controller and Workstation messaging and interlocks, Shaper and Digitizer operation, MLC model differences, head and carriage design, calibration of electrical, optical and mechanical subsystems, and routine maintenance procedures.

Duration & Location 5.0 days at Las Vegas, Nevada, USA

FlexCredits Eligible

2.02 2 UPMC TrueBeam STx SABR Clinical School

SRS / SABR Multidisciplinary Training - UPMC Course

Who Should Attend: Surgeons (Neurosurgeons, Thoracic Surgeons, Head & Neck Surgeons), Radiation Oncologists and Medical Physicists

Prerequisites: None.

Course Scope: The SRS/SABR multidisciplinary training program covers Stereotactic Radiosurgery and/or Stereotactic Ablative Radiotherapy (also known as SBRT - Stereotactic Body Radiotherapy) for radiosurgical ablative treatment of intracranial and extracranial tumors and/or lesions. These include:

- i) brain lesions & targets: including primary benign & malignant tumors, metastatic tumors from extracranial sites, and non-cancerous targets such as arteriovenous malformations & trigeminal neuralgia,
- ii) head & neck tumors: such as squamous cell tumors and glomus tumors,
- iii) spine tumors: such as metastatic lesions to vertebral bodies and primary spine tumors),
- iv) thoracic lesions: primarily non-small cell lung cancer and cancers of the mediastinum,
- v) upper and lower GI lesions: including pancreas, primary and metastatic liver, adrenals and lymph nodes.

This multidisciplinary course modeled after the mock tumor board method involves multiple surgical disciplines, radiation oncologists and physicists from UPMC. Each course will be tailored to the surgical discipline(s) in attendance at any given course and will utilize both lecture and a hands-on lab environment covering topics such as SRS clinical considerations and patient immobilization, 4DCT and pre-treatment QA of SRS. Students will participate in a hands-on lab session for both dosimetric QA of SRS plans and the pre-treatment QA. In addition, students will have the opportunity to observe 1 to 2 clinical SRS/SRT cases, including immobilization, imaging, treatment planning, pre-treatment QA and treatment

delivery.

Varian's obligation to provide training is valid up to 18 months after product or order acceptance as applicable.

2.03 2 ED:Henry Ford Pract SRS/SABR-Onst+online

Designed For Physicians and Surgeons of any specialty related to the use of Stereotactic Radiosurgery (SRS) and Stereotactic Body Radiotherapy (SBRT), Medical Physicists, Radiation Therapists and Dosimetrists.

Pre-Requisites none

Software Version: n/a

Description: Practical Stereotactic Advance in Radiosurgery and Therapy (Practical StART)-- Onsite and Online Training course for brain, spine, and body sites

Course Scope: This course will cover the fundamentals of stereotaxy to advanced treatment applications of SRS/SBRT. Practical treatments for brain, spine, and lung sites will be emphasized, as well as review of other body sites (such as head/neck, GI, etc). The program will review simulation, planning, delivery, and safety/quality techniques, including access to online lectures. The clinical disease entities will include primary benign and malignant neoplasm, metastatic tumors, and non-neoplastic disease such as vascular abnormalities.

Upon successful completion of the HFHS Training Course, attendees should:

1. Understand the basic science of SRS/SBRT, advantages and risks, and clinical applications to various sites including brain, spine, lung, etc.
2. Have an overview of the practical aspects of SRS/SBRT including: typical clinical workflow, patient selection, pre-planning considerations, patient immobilization, simulation and motion management, SRS/SBRT treatment planning, key safety and patient-specific QA procedures, image-guidance, treatment delivery, and follow-up.
3. Gain hands-on experience, where feasible, of the processes associated with patient immobilization, treatment planning, and image-guided localization

This multidisciplinary course is provided by experts in the field of SRS/SBRT who have pioneered the use of frame-less radiosurgery and spine radiosurgery.. The course director is Dr. Samuel Ryu, the Editor in Chief of the Journal of Radiosurgery and SBRT. Attendees will observe, where feasible, real-time clinical cases and, importantly, will have the opportunity to participate actively to enhance their practical experience of SRS/SBRT clinical cases. This course will also incorporate a mock tumor board with real clinical cases (including ones submitted by the attendees, if they want).

This course is offered and exclusively controlled by Henry Ford Health System; Varian is not responsible for and has not reviewed the course topic, content or materials.

The course tuition includes course material. Travel and lodging is not included. Customer is responsible for all travel expenses and incidentals.

Obligation to provide training is valid up to 18 months after product or order

acceptance as applicable. If the clinical school is not available Varian will make all reasonable efforts to find a suitable replacement or convert course to Varian product training flex credits.

Duration & Location 2.5-3 days + institution online access for 2 years providing course is still available

Accreditation

FlexCredits Not Eligible

Section 3 Eclipse Software Add-On

3.01 1 Eclipse RapidArc Planning License Addl

DESCRIPTION: This includes one (1) additional Eclipse Dose Dynamic Arc module for RapidArc planning license

FEATURE(S):

1. Eclipse Dose Dynamic Arc option for RapidArc planning supports dynamic arc treatments produced through volumetric dose optimization.
2. This option uses Dynamic MLC, variable dose rate, and variable gantry speed to generate intensity modulated dose distributions in optimized arcs.
3. Supports coplanar and non-coplanar arcs.
4. Supports full arcs, partial arcs and avoidance sectors.
5. Automated optimization of multiple isocenter plans. (This is available in v10.0 or higher.)
6. Simple collision detection rules. (This is available for v10.0 or higher.)
7. Automatic Normal Tissue Objective. (This is available for v10.0 or higher.)
8. Mean dose objective. (This is available for v10.0 or higher.)

LICENSE(S):

1. Eclipse Dose Dynamic Arc software option and license
2. Conformal Arc for dMLC

PRE-REQUISITE(S):

1. Eclipse version 8.6 or higher must be installed on all Eclipse workstations in the network
2. Interactive IMRT Planning on Eclipse workstations
3. Varian Linear Accelerator with RapidArc Delivery
4. Minimum hardware requirements as per http://www.varian.com/us/oncology/services_and_support/hardware_specifications/

ARO:

The current best estimate for installation lead time is 150 days.

Section 4 Trade-In of Existing 21EX (Serial # 2176)

4.01 1 Trade-In

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.

4.02 1 Remove/Dispose Existing Equipment

Section 5 TrueBeam Version 2.0

5.01 2 TrueBeam System software version 2.0

The next generation system software of the TrueBeam system (version 2.0) provides significant clinical benefit to users. Increased automation and streamlined data handling makes the delivery of complex treatments routine. TrueBeam system software version 2.0 also provides the infrastructural foundation for the PerfectPitch™ 6-Degree of Freedom couch, the Advanced IGRT & Motion Package and for the Motion Management Interface to connect to 3rd party systems.

Feature(s)

- Extension of automation to include respiratory gated treatments, treatments using a bolus and fields that use up to 5000 control points
- Machine QA and Plan QA enhancements to include image acquisition, analysis and matching
- Enhancements to in-room capabilities including initiation and control of Dry Run with the hand pendant

- Data management and plan data handling enhancements resulting in 50% faster plan loading

- User configurable dose rate limits by energy

Pre-Requisites (not included in this quote)

- TrueBeam system

Delivery

- Not deliverable before October 2013

5.02 2 Advanced IGRT & Motion Package

The Advanced IGRT & Motion Package from Varian Medical Systems provides a comprehensive set of tools that can allow users to customize imaging and treatment protocols based on the unique needs of every patient. Using features included in the package, the user can have industry leading flexibility to image and deliver treatment based on target location, target motion or delivered dose considerations.

Feature(s)

- Imaging based on triggers determined by

 - Delivered dose (MU)

 - Elapsed time

 - Angular motion of the gantry

- Instant imaging & 2D/3D Matching

- Advanced Reconstructor including

 - 4D CBCT (offline feature)

 - Extended length CBCT (offline feature)

- Planning structures on pre-treatment fluoroscopic traceOn-line Image Approval

Pre-Requisites (not included in this quote)

- TrueBeam system software version 2.0

- ARIA Version 11

Delivery

- Not deliverable before October 2013

STATEMENT of WORK

Richard L. Roudebush VA Medical Center
Indianapolis, IN

The summary of work, for the facility modifications portion of this project, includes general, structural, mechanical, and electrical renovation of an existing Linear Accelerator Suite, which currently contains a Varian 21EX, to accommodate the installation of a newly-acquired TrueBeam Linear Accelerator.

DIVISION 0: ARCHITECTURE & ENGINEERING:

- Professional Architectural, Structural, Mechanical, and Electrical Engineering services, Design Documents, and as-built record drawings will be provided for facility review.
- Provide two full-size sets and one ½-size set of design drawings prior to construction and one full set and/or CD disc of As-Built drawings upon completion of construction.
 - Note: As registered operator of the proposed Linear Accelerator device, Radiation Shield Design and Survey is the responsibility of Richard. Reference Division 13 SPECIAL CONSTRUCTION for additional information.

DIVISION 1: GENERAL REQUIREMENTS:

- Provide labor and documentation for a pre-construction conference and progress meetings.
- Provide labor and documentation for construction schedules as requested.
- Provide labor and equipment required to coordinate materials delivery with facility representative.
- Provide labor and materials for required temporary facilities, including but not limited to:
 - Install temporary barriers / structures to secure work areas for safety purposes, noise reduction, and dust containment.
 - Temporarily seal supply and return air diffusers to minimize contamination of ductwork and surrounding areas.
 - Provide foot mats at work area entrances and exits.
 - Provide Infection Control, negative pressure system.
 - Provide infection control barriers with HEPA Filtration.
- Provide labor and material to schedule disruptive work with facility representatives.
- Provide labor, accommodations, transportation, travel, and per diem for a full-time construction superintendent.
- Provide labor, transportation, travel, and documentation for project management.
- Provide general liability and automobile insurance to meet State and facility requirements.
- Provide labor and equipment daily to maintain a clean and safe job site in accordance with OSHA and facility ICRA Matrices.
- Provide labor and documentation for material submittal and Operation/Maintenance manuals.
- Provide labor and documentation for final punch lists and quality inspections upon project completion.

DIVISION 2: SITE-WORK/DEMOLITION

- Provide labor and construction equipment to remove architectural, mechanical, and electrical elements as required. Specific removals include, but are not limited to:
 - Remove finished floor from within the treatment room and entire control area.
 - Remove the finished ceiling tiles and grid in the treatment room and maze entry.
 - As of the proposal conference of 21Mar13, the delivery path from the Loading dock to the Linear Accelerator Vault did not contain any obstructions. If site conditions have changed, Varian reserves the right to modify the statement of work and contract pricing.
 - Remove all existing drywall board, studs, furring, etc. as needed to prep for additional required shielding, electrical, lasers camera, plumbing, etc. in the vault and maze to meet the new Varian TrueBeam specifications.
 - Remove existing cove lighting system on all walls.
 - Saw cut and remove portions of existing concrete floor as required to accommodate the Varian BaseFrame , conduit from BaseFrame to modulator room, floor box for the new system and plumbing for a new sink.
 - Rework the ceiling mounted laser plate as required to correspond to the Isocenter of the new equipment.
 - Remove fire sprinklers as needed.
 - Remove and relocate HVAC grilles as needed.
 - Remove existing counter and casework in the control area
 - Remove a portion of the wall between the control area and Staff corridor and provide a temporary door and dust control for contractor access.
 - Remove existing sink and eyewash area in control room
 - Remove existing door and partitions at existing closet to expand for new modulator closet.

DIVISION 3: CONCRETE

- Provide labor, material, and construction equipment to form, place, and finish concrete to replace the portions of the concrete floor that was removed or disturbed during the installation of the floor boxes, conduits, BaseFrame, and plumbing.
- Provide labor, material, and construction equipment to review existing concrete levelness and correct as required to meet the equipment specifications.
- Provide labor, material, and construction equipment to Provide required concrete borings to meet the conduit requirements

DIVISION 4: MASONRY

N/A

DIVISION 5: METALS

- Provide labor, material, and construction equipment to install new Varian specified laser alignment light and monitor support bases in the ceilings and on the walls of the Linear Accelerator suite to accommodate the Replacement Clinac.
- Provide labor, material, and construction equipment to supply and install the structural support and curbing on the roof for the new dedicated equipment chiller.
 - Note: Chiller to be provided under Div. 11: EQUIPMENT.
- Provide labor, material, and construction equipment to supply and install supports (ceiling and walls) as required to install supplied equipment
 - Note: Metal mounting posts to be provided under Div. 11: EQUIPMENT.
- Provide labor, material, and construction equipment to install supplied equipment brackets.

DIVISION 6: WOOD & PLASTICS

- Provide labor, material, and construction equipment to fabricate and install a new control room counter for the new control equipment approx. 12 lineal feet by 36 inches deep. Final concept to be worked out with the VA.
- Provide labor, material, and construction equipment to fabricate and install new cabinetry in the vault room as per OBI project approved drawings dated 11Jan13 "95% issued to VA for Review". This includes 10'-5" lineal feet by 8 feet high with 3 foot sink base unit with upper casework and 7' lineal feet by 6 feet high cabinetry.
- Provide labor, material to install locks on cabinetry doors and drawers. Exact amount to have locks is to be determined.

DIVISION 7: THERMAL & MOISTURE PROTECTION

- All floor, wall, and ceiling penetrations will be properly sealed per NEC, NFPA, and local building code.
- Provide labor and material required to modify and patch roofing where necessary to accommodate the supports for the new chiller.
 - Note: Chiller to be provided under Div. 11: EQUIPMENT.

DIVISION 8: DOORS AND WINDOWS

- Install one Stanley automatic glass door unit, approx. 8' wide at existing opening. Door unit was supplied and delivered as part of Varian Sales Order #320515943 and VA Contract #797A17250. Material and labor costs already included in the aforementioned TrueBeam project.
- Provide labor and material to install one hollow metal door and frame at new modulator room.
 - Note: All existing standard doors and windows will remain in existing condition and locations without modifications or additions. Reference Division 13 SPECIAL CONSTRUCTION for additional information.

DIVISION 9: FINISHES

- Provide labor, material, and construction equipment to install all new studs, drywall etc. as needed to complete the finishes in the vault, maze and modulator closet where remodeling work has taken place
 - Note: All existing standard interior partitions will remain in existing condition and locations without modifications or additions.
- Provide labor, material, and construction equipment to repair existing facility wall finishes affected by the proposed renovation throughout the renovation area.
- Provide labor and material install new 2'x4' grid and ceiling tiles in the vault, maze and new Modulator closet.
- Provide labor, material, and construction equipment to apply two (2) coats of facility-selected latex paint to all walls of the renovation area.
- Provide labor, material, and construction equipment to paint all existing doorframes in the renovation area using facility-selected paint.
- Provide labor, material, and construction equipment to install a new facility selected wood-looking sheet vinyl flooring in the Linear Accelerator Treatment Room and maze to accommodate installation of the new Varian Universal VEO BaseFrame.
- Provide labor, material, and construction equipment to repair and replace interior wall and ceiling finishes within the existing Treatment room to accommodate installation of additional lead shielding.
- Provide labor and material to install new carpeting and rubber cove base throughout entire control area.
- Provide labor and material to install new VCT flooring in the new modulator closet.

DIVISION 10: SPECIALTIES

- Provide labor and material to install a 6x8 (Fits in 2x4 or 2x2 grids depending on selection) LED illuminated picture ceiling panel, Sky Factory or equal, Scene selection to be made by the VA.

DIVISION 11: EQUIPMENT

- The following Equipment is being supplied under the Varian Accelerator equipment offering.
 - Filtrine Chiller, Model # PCP-750G-96
 - Quick Connect Panel, Model QCP-1
 - GEXPRO TrueBeam Main Circuit Breaker Panel, Model # VWB80A480V.
 - Transtector Power Conditioner, Model # 8DNX-50K-700A/V-S

DIVISION 12: FURNITURE

N/A

DIVISION 13: SPECIAL CONSTRUCTION

- Provide labor, material, subcontract services, and construction equipment to install the supplemental Lead (Pb) and steel shielding, with associated steel supports, in accordance with Certified Radiation Shielding Report by Patton H. McGinley, PhD, dated 09Jan10
- Note: Determination of Radiation Shielding requirements are the responsibility of Richard L. Roudebush VA Medical Center's Physicist of Record. This proposal assumes that the supplemental Lead (Pb), or equivalent shielding suggested in the aforementioned report is sufficient in thickness and location. If it is determined, by the Physicist of Record that additional vault shielding modifications or additions are necessary, Varian reserves the right to modify its pricing and/or project schedule accordingly.
- Provide labor, material, subcontract services, and construction equipment to install concrete to the jamb areas as per the aforementioned report. The existing vault door is to remain as is per this report.
 - Note: This proposal assumes that the existing Linear Accelerator Vault entrance door and existing automatic door closer equipment do not have to be removed to allow installation of the Replacement Clinac. If it is determined that the vault entrance door, frame or closer must be removed, additional work and costs will apply.

DIVISION 14: MATERIAL HANDLING

N/A

DIVISION 21: FIRE SUPPRESSION

- Provide labor and Material required to replace or relocate the fire sprinklers as required.

DIVISION 22: PLUMBING

- Provide labor and material required to rework and connect existing chilled water system to the new equipment.
- Provide labor and material required to furnish domestic water supply for Quick Connect Panel/City Water Backup.
 - Note: Filtrine Quick Connect Panel provided per Div. 11 EQUIPMENT.
- Provide Labor and material to run hot cold water lines and drain plumbing for new sink in treatment room.

DIVISION 23: HVAC

- Provide labor, material, and equipment to perform thorough testing & evaluation of the existing HVAC system feeding the accelerator vault, control area and new modulator closet to determine its capacity and suitability of operation.
 - If the Mechanical Engineer of record, as a result of the evaluation, deems the system viable, we will modify/supplement it as required to provide 4 tons of capacity.
 - If the Mechanical Engineer of record, as a result of the evaluation, deems the system not viable for reuse, we will provide and install a new 4 ton split HVAC system above suspended ceiling.
- Provide labor, material, and equipment to install HVAC grilles as required in the vault and maze areas
- Provide labor, material, and equipment to reconfigure, test, and rebalance the existing HVAC Systems.
- Provide labor, material, and construction equipment to connect the new TrueBeam to a new roof-mounted chiller unit
 - Note: Filtrine Chiller and Quick Connect Panel provided per Div. 11 EQUIPMENT.
- Provide labor and equipment required to install the supplied Chiller on the roof above the control area. The Quick Connect Panel will be installed in a location that is compatible the required water and drain line connections.
 - Note: Rigging of the chiller on to the roof is included in this scope.

Note: It is understood that medical gas services work is not required for this renovation and, therefore, is excluded from this proposal.

DIVISION 26: ELECTRICAL

- Provide labor, material, and construction equipment required to install conduit necessary from facility power source to supplied power conditioner to GEXPRO VWB-series MCB panel located in the control area.
 - Note: The VA Hospital facilities department will need to review and certify the capacity of the proposed 480 Volt, three-phase power source for the new power conditioner and for the TrueBeam™ unit. The proposed source of power is panel “BSBHNDP1” within 50’ of the proposed TrueBeam™ unit, one level below. If VA approval of this location and source of power is withdrawn, Varian reserves the right to adjust this Statement of Work and its pricing accordingly.
- Provide labor, material, and construction equipment to receive and install the Varian-supplied power conditioner. Rigging to sub-basement is included.
 - Note: Power conditioner supplied per Div. 11 EQUIPMENT.
- Provide labor, material, and construction equipment to receive and install the Varian-supplied GEXPRO VWB – Series Main Circuit Breaker panel for 480V service.
 - Note: Main Circuit Breaker Panel supplied under Equipment scope.
- Provide labor, material, and construction equipment to install a new RJB Relay Junction Box.
 - Note: Panel provided with TrueBeam system.

DIVISION 26: ELECTRICAL (CONT.)

- Provide labor and material required to install one 3" and two 2" conduits from the console pull box to the accessory Pull box located in the ceiling of the vault.
- Provide labor, material, and construction equipment to install the required 4" diameter conduits from the BaseFrame to the modulator room.
- Provide labor and material required to install two 2" conduits from MCB to the Modulator.
- Provide labor and material required to install one 3" conduit from the Accessory pull box to the optical imager.
- Provide labor and material required to install one 2" conduit from the Accessory pull box to the In Room Monitor.
- Provide labor and material required to install two 1-¼" conduits from the Accessory pull box to the live view camera & microphones.
- Provide labor and material required to install 1" conduits from Accessory Pull Box to the CCTV cameras, speakers and PAVS system.
- Provide labor and material required to install two 4" conduit sleeves for future Technologies above door to vault.
- Provide labor, material, and construction equipment to install a new X-Ray, Beam On, and Generator On warning lights and circuits and add additional warning lights and circuits to accommodate the Replacement Clinac.
- Provide labor, material, and construction equipment necessary to install the TrueBeam Pre-Installation Kit.
- Provide labor, material, and construction equipment to modify existing and add new miscellaneous 120-volt power outlets to accommodate the Replacement Clinac.
- Provide labor, material, and construction equipment to install new emergency off switches and door switches as required.
- Provide labor, material, and construction equipment to adjust conduit and wiring for the lasers as required.
- Provide labor, material, and construction equipment to and Install back boxes and conduit stubbed above the ceiling for two new network drops at the control desk. Network wiring to be provided by others.
- Provide labor, material, and construction equipment to connect laser, room lights, Warning lights, EPO, and Door switch wiring to the Relay Junction Box.
- Provide labor and material required to install one IEC 60309-32A receptacle at the control console.
- Provide labor and material required to install five (5) 2'x4' LED light fixtures inside the vault and maze.
- Provide labor and material required to install EIGHT (8) LED recessed can lights with dimmer inside the vault and maze.
- Provide labor and material required to install the required electrical power, conduit, and wires to the supplied chiller on the roof.

Note: It is understood that fire alarm services work is not required for this renovation and therefore is excluded from this proposal.

Note: This proposal excludes new Radiation Detector/Area Monitor, Audio, and Video Monitoring Systems not incorporated within the Varian TrueBeam system. If it is determined that new systems are required, these systems are the responsibility of others.

DIVISION 27: COMMUNICATIONS

N/A

DIVISION 28: ELECTRONIC SAFETY AND SECURITY

N/A

DIVISION 31: EARTHWORK

N/A

DIVISION 32: EXTERIOR IMPROVMENTS

N/A

DIVISION 33: UTILITIES

N/A

DIVISION 34: TRANSPORTATION

NA

EXCLUSIONS:

Varian Medical Systems, Inc. excludes the following items in relation to this proposal:

- Asbestos abatement.
- Work in a Bio-Hazardous, Radioactive, Toxic, Asbestos, or other high-risk environment.
- Medical Gas Systems
- Telephone, intercom, security, or dictation equipment.
- Remote Image Networking to other modalities or locations.
- Furnishings.
- UPS Systems
- Relocation of hidden Sub-surface conditions such as electrical, sewer, water, fire sprinkler.
- Performance & Payment Bonds

QUALIFICATIONS:

This proposal and Statement of Work are qualified by and subject to the following:

- All construction materials and equipment must be on site prior to equipment removal.
- All AHJ Review and Permits must be approved and received prior to equipment removal.
- This proposal is for Varian Medical Systems equipment.
- A clean unrestricted access route to the construction site will be provided.
- Non-disruptive work performed during normal working hours. Noisy or disruptive work performed after hours or as coordinated with facility representatives.

NOTE: All Varian Medical System supplied designs, plans, drawings, pricing, technical information, material characteristics and any other information contained in this communication is **PROPRIETARY INFORMATION** and is intended solely for the receiving party as addressed herein. The receiving party shall hold this **PROPRIETARY INFORMATION** in trust and confidence, and shall not disclose it to any third party or any person outside of its organization without the express consent of an officer of Varian Medical Systems, Inc. The receiving party shall be liable for and shall immediately notify Varian Medical Systems, Inc. in the event of any unauthorized use or disclosure of this **PROPRIETARY INFORMATION**.