

Item	Qty	Product Description
Section 1 TrueBeam Package		
1.01	1	TrueBeam Package
1.02	1	TrueBeam System
		TrueBeam system
		Premium performance image-guided radiotherapy system
		FEATURES:
		- Performance per RAD 10094
		- High speed, real time network control
		- Synchronous, high precision motion, imaging, and dose trajectory management
		- Patented variable beam energy generation
		- Dual independent jaw collimator system, supporting dynamic jaw tracking and dynamic collimator rotation
		- Enhanced dynamic wedge
		- Electronic Accessory Detection and Verification system
		- LaserGuard II system, a laser protection zone-based proximity sensor that is used to alert the user of system proximity to the patient, associated immobilization devices, and to other parts of the system and limit motion if necessary
		- Treatment couch base with sub-millimetric positioning accuracy to isocenter
		- Full remote motion control with software-selectable motion axis disable
		- Autofield sequencing and full treatment delivery automation
		- Radiation-hardened digital CCTV camera system for patient and motion monitoring
		- Laser backpointer
		- 3D system motion monitoring and touch detector systems
		- Integrated controls with visual action prompts
		- Two 27 inch monitors for treatment room viewing of system and patient information
		- Two 21 inch high performance treatment console monitors
		- Integrated audio system, including intercom, optional respiration coaching, input for music
		- Low profile console packaging with optional stacking
		- Software-selectable IEC601 and IEC 1217 scale convention
		- Basic quality assurance and performance test kit, including front pointer set and collimator crosshair
		- Standard spare parts
		- Smart Connect remote access ready
		- One (1) full warranty
		- Shipping (Shipment is pending regulatory clearance of this product in the ship-to country. Lead times after receipt of order may vary greatly by country.)
		NOTE: The TrueBeam only supports IEC 601 or IEC 1217 scales. Conical collimator accessories (sometimes called "cones") must not be used for treating patients on this device without also using the Barcode Conical Collimator Verification (BCCV) product. Failure to use BCCV with conical collimators may

result in serious injury or death due to a lack of verification that the correct conical collimator and field size for that collimator are in place for that patient's treatment plan.

PREREQUISITES:

- ARIA Practice Management, Version 8.8.15, or compatible third party oncology information system.
- ARIA Rad Onc, including Eclipse, Version 8.9.09.1, or compatible 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 New Baseframe

1.05 1 INCL ED: TrueBeam Physics and Admin

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

1.06 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

1.07 2 INCL ED: TrueBeam Ops

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

1.08 1 6/6 MV Energy (per BJR 11/17)

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

1.09	1	10/10 MV Energy (per BJR 11/17)
		40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min
1.10	1	15/16 MV Energy (per BJR 11/17)
		40 cm x 40 cm maximum field size, dose rate range 0-600 MU/Min
1.11	1	6X High Intensity Mode
		40cm x 40cm maximum field size, dose rate range 400-1400 MU/Min
1.12	1	10X High Intensity Mode
		40cm x 40cm maximum field size, dose rate range 400-2400 MU/Min
1.13	1	Electron Applicator Set
		6cm x6cm, 6cmx10cm, 10cmx10cm, 15cmx15cm, 20cmx20cm, 25cmx25cm Includes electron arc applicator and final defining aperture mold frame set
1.14	1	6 MeV
		25 cm x 25 cm maximum field size, dose range range 0-1000 MU/Min
1.15	1	6 MeV High Dose Total Skin Electron Mode
		Dose rate range 0-2500 MU/Min Requires purchase of Total Body Irradiation Treatment Delivery License
1.16	1	9 MeV
		25cm x 25 cm maximum field size, dose rate range 0-1000 MU/Min
1.17	1	12 MeV
		25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min
1.18	1	15 MeV
		25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min
1.19	1	18 MeV
		25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min

1.20 1 20 MeV

25cm x 25cm maximum field size, dose rate range 0-1000 MU/Min

1.21 1 120 Multileaf Collimator

- Performance per RAD 10094
- High resolution leaf width of 5 mm (projected at isocenter) for central 20 cm
- Leaf width of 10 mm (projected at isocenter) for outer 20 cm

1.22 1 IMRT Treatment Delivery License

Capability to simultaneously modulate aperture shape with dose delivery for a static gantry beam

FEATURES:

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

1.23 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

1.24 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

1.25 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

1.26 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

1.27 1 Basic MV Imaging License

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

1.28 1 Advanced MV Radiographic

Provides capability for 2D radiographic imaging, image analysis, and marker match

1.29 1 Dynamic MV Imaging License

Provides capability for respiration-synchronized MV radiographic image acquisition

PRE-REQUISITE:

Optical Imager and accompanying Respiratory Gating Licence

1.30 1 Portal Dose Image Acquisition License

Provides capability for portal dose image acquisition

1.31 1 Port Film Graticule

Set of upper and lower port film graticules

1.32 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

1.33 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

1.34 1 kV CBCT Imaging License

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

1.35 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

1.36 1 Optical Imager

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

Performance per RAD 10094

1.37 1 Respiratory Gating License

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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

1.38 1 INCL ED: Resp.Gating Admin. & Operations

- 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

1.39 1 Brainlab Advanced Radiosurgery

Article Article Description Qty.

iPlan RT Platform

10958 iPLAN WORKSTATION PREMIUM WITH FLATSCREEN AND PRINTER 1

B33503 DICOM IMPORT 1

B33501 ADVANCED DICOM RT EXPORT PACKAGE 1

B33504 STANDARD DICOM RT IMPORT PACKAGE 1

iPlan RT Planning

21386 iPLAN RT IMAGE SOFTWARE 4.1 1

21221 iPLAN RT ANGIOGRAPHIC REGISTRATION 1

21340 iPLAN AUTOMATIC IMAGE FUSION 1

21220 iPLAN SMART BRUSH AND SMART SHAPER SEGMENTATION SOFTWARE 1

21280 iPLAN AUTOMATIC SEGMENTATION SOFTWARE 1

21387 iPLAN RT DOSE SOFTWARE 4.5 1

20630 CIRCULAR ARC SRS/SRT PLANNING 1
 23015 CONFORMAL AND DYNAMIC CONFORMAL SRS / SRT 1
 23060 IMRS/IMRT INVERSE PLANNING 1
 43800 SRT PLANNING FOR VARIAN MLCS 1

Treatment Hardware

40100-0 COUCHMOUNT BRAINLAB IMAGING COUCH TOP/ VARIAN EXACT 1

 40400-0 COUCHMOUNT ADAPTER BRAINLAB HEADRING 1
 41200 STEREOTACTIC HEADRING 1
 B34300 STEREOTACTIC MASK SYSTEM UJ SUPPORT PACK 1
 41130 PATIENT MASK SET (QUANTITY 5) 1
 41350 CT/X-RAY LOCALIZER AND SUPPORT 1
 40700-0 STEREOTACTIC TARGET POSITIONER 1
 40500-3 COLLIMATOR MOUNT VARIAN WITH MLC1
 B34346 QUALITY ASSURANCE KIT SRS WITH CONICAL COLL. (BL HEADRING) 1
 4062900 CONICAL COLLIMATOR SET (7.5,10,12.5,15,17.5, 20, 25 & 30MM) 1
 4062050 CONICAL COLLIMATOR 5.0 MM 1

RT Services

82993-11 PRE-INSTALLATION VISIT 1
 82011-01 iPLAN WORKSTATION CONFIGURATION 1
 82011-02 iPLAN RT SOFTWARE INSTALLATION1
 82001-03 HARDWARE INSTALLATION CIRCULAR SRS 1
 82993-02 SERVICE ON-SITE BY SUPPORT SPECIALIST/TECHNICIAN (1 WEEK) 1
 82012-01 BLA: TREATMENT PLANNING AND PHYSICS (1 PERSON/ 5 DAYS) 3

 82032-01 BLA CC: CASE COVERAGE (1 DAY BL APPL.TRAINER) 3
 82012-12 BRAINLAB STEREOTAXY ON-SITE APPLICATIONS TRAINING COURSE (2DAYS) 1
 50780 FREIGHT, INSURANCE AND FEES 1

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 (set of three) 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 Standard Stand Configuration

1.43 1 Motion View

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

1.44 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

1.45 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

1.46 1 Use Site Phantom for Acceptance

Use of phantom provided by customer for generation of Clinac Acceptance Beam Profiles

1.47 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.

1.48 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.

1.49 1 Filtrine Water Chiller: HE

See Filtrine Specification sheet for details

1.50 1 Millenium Warranty

One Year Warranty on Klystron, Electron Gun, Standing Wave Guide, Bend Magnet, and Solenoid Energy Switch, provided Varian is sole service provider. The use of non-Varian or third party parts will void the warranty. A minimum of two (2) bi-annual periodic maintenance inspections (PMIs) will be performed by Varian. After the first year of warranty, these PMIs will be invoiced based on current labor rates in effect at the time they are performed unless a Varian service contract or support agreement is in effect.

All additional Varian Terms and Conditions apply.

Section 2 Removal and Disposal of Existing Accelerator
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2.01 1 Remove/Dispose Existing Equipment

Section 3 Eclipse Treatment Planning
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3.01 1 Eclipse Single Client Base

This package includes installation, education courses, on-site application training and licenses listed below:

LICENSE(S):

1. Varian Database
 2. DICOM 3.0 Image Import Server License
 3. Integrated Health Enterprise Radiation Oncology
 4. RTOG DICOM Export
 5. DICOM Print
 6. Leaf Motion Calculation Licenses
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7. Virtual Simulation Laser Interface

3.02 1 INCL ED: Eclipse Administration

- 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.

The Eclipse Administration and Physics course provides training for primarily Physicists. Depending on the facility course may be applicable to Dosimetrists and others responsible for initial system configuration and routine administration of Eclipse.

The administration component of the course will focus on networking, system structure, management of user accounts and routine data backup. Physics part of the course will cover beam data requirements for the Eclipse treatment planning system. It will also include sections on photon and electron beam algorithms. A portion of the instruction time will be devoted to an overview of basic operation of Eclipse external beam planning workspace.

Prerequisites:

- New user, Medical Physicist Education

Length:

5 days

For detailed course information and on-line registration, visit the Varian website at <http://www.varian.com/index.html>.

3.03 1 INCL ED: Eclipse Operations

- 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.

The Eclipse Operations course provides an initial training for Dosimetrist, Physicists and others responsible for daily use of the treatment planning system in the clinical environment. The course will provide an overview of Eclipse structure, graphical user interface, different workspaces and tasks.

The focus will be on the import of CT data, image registration, structure segmentation, creation and edits of plans, fields and beam modifiers and evaluation of plans. Other topics include 2D planning using the digitizer and irregular field planning, simply brachytherapy and export to the record and verify system. 3rd party software is also covered.

Prerequisites:

- Experience with and knowledge of treatment planning
- Basic knowledge of computers and the Windows Operating system

Length & Location:

5 days

Varian Education Center, Las Vegas, NV

For detailed course information and on-line registration, visit the Varian website at <http://www.varian.com/index.html>.

3.04 1 INCL ED: Eclipse IMRT Admin Physics

INCLUDED EDUCATION: Eclipse IMRT Administration & Physics

- Includes Tuition and Materials for ONE person.
- Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.
- Course is non-refundable and non-transferable.
- Offer is valid for 18 months after installation.

The course will cover IMRT planning with the Eclipse System and the delivery of IMRT using Varian dMLC. The Varian IMRT solution will be presented during the course, including the integration into the ARIA System. Course designed for the Physicist.

Part ONE will cover the use of the Eclipse IMRT software encompassing the full treatment planning process with typical clinical case demonstration. Topics include IMRT planning algorithms, interfacing with other devices, definition of optimization parameters, QA parameters, and system commissioning. Part of the training course is reserved for hands-on training to covers typical clinical cases. A guest speaker will present on the use of IMRT planning in the clinical environment, clinical outcomes of IMRT, and radiobiological considerations (DVH, partial DVH, dose volume constraints).

Part TWO covers delivery methods. Topics covered include a detailed description of the MLC hardware, the MLC and Clinac control systems for dynamic dose delivery, dMLC QA issues, and patient related QA procedures.

Prerequisites:

- Attendance of Eclipse Administration and Physics Course and/or Eclipse Operations Course;
- 2-3 month routine clinical use of Eclipse recommended

Length:

5 days

For detailed course information and on-line registration, visit the Varian website at <http://www.varian.com/index.html>. . Course is approved for Category "A" ASRT and MDCB continuing education credits.

3.05 1 INCL ED: Eclipse IMRT Ops

INCLUDED EDUCATION: Eclipse IMRT Operations

- Includes Tuition and Materials for ONE person.
- Customer is responsible for all travel expenses: airfare, hotel, rental car, meals and travel incidentals.
- Course is non-refundable and non-transferable.
- Offer is valid for 18 months after installation.

The Eclipse IMRT Operations course provides instruction on inverse treatment planning with the Eclipse System. Course is designed for the Physicist and Dosimetrist.

Course will cover the entire IMRT treatment planning process demonstrated on clinical cases such as prostate, breast and head and neck. Other topics covered are theory behind IMRT, contouring for IMRT, objectives and constraints, verification plan, data export and image registration. Majority of the course is reserved for hands-on application.

Prerequisites:

- Attendance in the Eclipse Operations course
- Recommend 2-3 month routine clinical use of Eclipse prior to course attendance.

Length & Location:

4 days

Varian Education Center, Las Vegas, NV

For detailed course information and on-line registration, visit the Varian website at <http://www.varian.com/index.html>. Course is approved for Category "A" ASRT and MDCB continuing education credits.

3.06 1 STD TRNG: Eclipse

Training is included with the purchase of Eclipse. Training plan details will be provided by the training management team as part of your product implementation process.

3.07 1 INCL: Color Printer

3.08 1 Eclipse Advanced Planner Desktop

The Eclipse Advanced Planner Desktop includes software optimized for IMRT, frameless IMRS, 4D, Conformal Arc for DMLC, Electron Monte Carlo and 3D BrachyVision. This desktop package also includes IMRT planning for TrueBeam using the leaf motion calculator.

FEATURE(S):

1. For base treatment planning software which includes multi-modality image
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support including PET contouring, image registration and blending, clinical protocols, advanced segmentation, virtual simulation, beam placement, plan evaluation, electronic plan approval, electronic chart and configurable printing of plan documentation;

2. 2D and 3D dose calculation on a distributed calculation framework including beam configuration, IRREG, 3D conformal and field in field planning using Anisotropic Analytical Algorithm (AAA) or pencil beam convolution, and electron calculation using Generalized Gaussian Pencil Beam;
3. 2D BrachyVision for film based brachytherapy planning;
4. IMRT Planning package including beam angle optimization, Interactive IMRT optimization, electronic surface compensation and planar compensation. Support either split carriages or large-field IMRT. Planning for frameless IMRS;
5. 4D Planning;
6. Electron Monte Carlo;
7. Conformal Arc Planning for DMLC;
8. 3D BrachyVision;
9. IMRT Planning support available with the Varian TrueBeam, includes leaf motion calculation algorithm integrated to the Eclipse Distributed Calculation Framework (DCF) to support both the sliding window (leaves move while radiation is ON) and multiple static segments (leaves move while radiation is paused and are static while radiation is ON). (This is available with a Varian TrueBeam).

LICENSE(S): One (1) set of license of the above features

PRE-REQUISITES:

1. An Eclipse Calculation Workstation must be on order with this desktop package (this workstation must be purchased from Varian Medical Systems).
2. In a Citrix environment, an Eclipse Calculation Workstation or a Framework Agent Server must be on order with this desktop package (and must be purchased from Varian Medical Systems).

3.09 1 INCL ED: 3D BrachyVision on Eclipse

- Includes Tuition and Materials for ONE person.
- Airfare, hotel (room and tax) included for ONE person. Does not include meals or other travel incidentals.
- Course is non-refundable and non-transferable.
- Offer is valid for 18 months after installation.

The 3D BrachyVision on Eclipse course is a 3-day classroom session covering module functionality. User has the option to upgrade to a 3-day on-site applications training session for up to (3) students in lieu of the included classroom education. See "training options" in BrachyTherapy pricelist for more details.

Prerequisites: none

Length:
3 days

3.10 1 Eclipse Calculation Standalone

Dell Precision Workstation with dual quad core processors, and flat panel monitor

NOTE:

Varian reserves the right to upgrade the hardware to the current model available at time of shipment.

3.11 1 SmartSeg Knowledge Based Contouring Pkg

Smart Segmentation Knowledge Based Contouring provides a combined atlas and model based approach to automated segmentation of structures together with tools for manual contouring or editing of structures. A library of already contoured expert cases is provided which is searchable by anatomy, staging, or free text. Users also have the ability to add or modify expert cases to suit their clinical needs.

Licenses:

1. ONE(1) SmartSegmentation Knowledge Based Contouring site license

Pre-requisites:

1. Eclipse version 11.0 or higher must be installed on all Eclipse workstations in the network

3.12 1 RapidArc Planning License-Primary

Eclipse RapidArc Planning supports dynamic arc treatments produced through volumetric dose optimization using Dynamic MLC, variable dose rate and variable gantry speed to generate intensity modulated dose distributions in optimized arcs. Supports both coplanar and non-coplanar arcs.

LICENSE(S):

1. ONE (1) Eclipse Dose Dynamic Arc software option and license
2. ONE (1) 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/

3.13 1 INCL ED: Rapid Arc Operations

- 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.
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The Rapid Arc course provides instruction on Rapid Arc planning.

The target audience for the class is anyone involved with treatment planning, specifically Dosimetrists.

The course will provide instruction in the treatment planning principles and knowledge to support planning in Rapid Arc. The lab portion will provide hands-on Rapid Arc planning experience under the guidance of a Varian instructor.

Prerequisites:

- Must observe prerecorded Rapid Arc Operations Live Meeting prior to class attendance
- Experience with and knowledge of Eclipse IMRT treatment planning
- Basic knowledge of computers and the Windows Operating system

Length & Location:

1 1/2 days

Varian Education Center, Las Vegas, NV

3.14 1 Acuros External Beam

Acuros External Beam advanced dose calculation is a photon algorithm that provides dose calculation with the same accuracy as Monte Carlo with no statistical noise in a fraction of the calculation time.

LICENSE(S):

1. Acuros External Beam

PRE-REQUISITE(S):

1. Eclipse version 10.0 or higher must be installed on all Eclipse workstations in the network.

3.15 1 Portal Dosimetry Package

Portal Dosimetry provides the capability to perform pre-treatment IMRT QA using the PortalVision electronic imager. Dose prediction images are generated with Eclipse and can be viewed, compared and evaluated with the acquired images from the electronic imager.

LICENSE(S):

1. One (1) Portal Dosimetry license (Dose Image Acquisition at one PortalVision, and one Varian Dosimetry Review license)
2. One (1) Eclipse Portal Dose Calculation license

PRE-REQUISITES:

1. Eclipse 3D Treatment Planning System (not including Eclipse SV)
 2. PortalVision amorphous silicon imaging system
 3. Compatible version of Varian Information Management system, or
 4. Compatible version of Varian Image Management system
 5. Dedicated Varian Image management server hardware.
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3.16 1 INCL ED: Portal Dosimetry

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

The Portal Dosimetry course will cover commissioning, calibration and operation of Portal Dosimetry system. Course intended for the Physicist.

Topics covered include introduction to Portal Dosimetry system covering hardware and software, Portal Dosimetry calibration, acquisition of portal dose images for dynamic delivery, analysis of portal dose images and recommended QA tests. Course curriculum includes practical exercises with live beam using aSi1000 Portal imager.

Prerequisites:

- User of Varian PortalVision system, basic knowledge of Vision system
- Attendance in the Eclipse Administration and Physics course
- Recommend attendance in the Eclipse IMRT Administration and Physics course
- Clinical IMRT experience

Length

2 Days

For detailed course information and on-line registration, visit the Varian website at <http://www.varian.com/index.html>.

Section 4 SmartAdapt (Deformable Registration)

4.01 1 Smart Adapt

Description: A license for multi-modality rigid image registration, deformable image registration, contour editing and PET contouring.

FEATURES:

Multi-modality image review

Correlated window leveling

Deformable image registration, CT and CBCT

Manual deformable registration editing

Automatic Rigid multi-modality image registration (CT, MR, PET, CBCT), including registration chaining

Manual rigid registration

Point based rigid Registration

Choice between several registration settings and constraints
Registration review , inclusive difference renderer
Automatic structure propagation between registered images
Sophisticated structure editing tools , 2D and 3D
Display statistic information of Volume and Center Mass Changes for co-registered data
Review and approval of structures
Registration approval
Iso-contouring for PET and PET/CT images

LICENSES:

Multimodality Image Registration

PRE-REQUISITE(S):

Eclipse Treatment Planning System or ARIA version 10.0 or higher

OTHER:

Installation

Section 5 Onsite Applications Training

5.01 6 APS TRNG: TPS Per Addl Day

- TPS on-site applications training for up to (2) users.

Additional training days are available for the TPS product line to supplement on-site training included with product purchase to accommodate additional users, train new employees on existing product or use as refresher sessions. Additional training days are available in increments accommodating up to 2 users.

One day is equivalent to 8 hours. Time over 8 hours per day will be deducted from remaining balance

Location: On-site training at Customer Facility

For detailed information visit the Varian website at
<http://www.varian.com/otrn/index.html>.

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