The Varian SABR Package includes specifically-designed features that provide the clinician with confidence to deliver Stereotactic Ablative Radiosurgery (SABR). Additionally, the features help reduce overall time and resources required for SABR treatments when compared to traditional methods. This may lead to an increase in the volume of procedures performed and lower per procedure costs for the hospital when compared to traditional surgery procedures.

Stereotactic radiotherapy is growing as a technique
A robust growth of SABR treatments has been observed and this has been driven by a number of factors including expanding applications and continued technology advances (e.g., real-time tumor tracking) that are offered in the Varian Extracranial Package.

SABR Growth Factors:
- Payment cuts have added pressure on organizations to maximize patient throughput and utilization of capital-intensive devices
- Mounting pressure to increase efficient equipment utilization that helps reduce treatment times and increase patient throughput
- Use of fewer treatment sessions is preferred by both patients and clinicians
- Decreases in overall costs
- Stereotactic radiotherapy delivers strong margins for oncology and neuroscience programs

The Calypso system is a localization system designed for use during radiation therapy. It provides accurate, objective, and continuous non-ionizing target localization information for initial patient alignment and/or for target position monitoring during radiation treatment delivery. Use of the Calypso system for target localization is based on the system’s detection of electromagnetic signals generated by electromagnetic Beacon transponders. These transponders can be implanted in or near the treatment target, or placed on the patient’s skin surface.

Using the GPS for the Body Technology, the Calypso system detects slight movements of the target, so clinicians can keep it in the path of the radiation beam. Tighter treatment margins can help you reduce potential side effects and improve the quality of life for your patients, escalate dose to improve disease control, or accelerate stereotactic treatments.

For health professionals only
The Calypso system is comprised of the following features:

- System target position update rate of 25 Hz, optimized for tracking the motion of fast moving targets
- Adaptive couch repositioning
- Treatment beam gating for precision radiation delivery

The Calypso system is comprised of the following components:

- Electromagnetic Beacon transponder implants
- Electromagnetic array
- Optical system with 3 infrared cameras
- Tracking station
- Console

Calypso system training is also included in this package:

- Clinical training for transponder implantation
  - Training for one clinician and staff member
  - Hands-on learning onsite at your facility
- Calypso System training
  - Training for four radiation therapists and one physician, physicist and dosimetrist at your facility

QFIX™ KVUE™ CALYPSO® COUCHTOP PACKAGE

The kVue Calypso couchtop is a radiotherapy couchtop optimized for recent advances in technology and designed to be compatible with the Calypso system. It is engineered to provide precise and repeatable patient positioning. The couchtop is constructed from high-strength, advanced fiber composites that are non-conductive to enable its use with the Calypso system.

Features of the couchtop include:

- Non-conductive design. Cantilevered portion of the couchtop is completely metal free.
- Meets IEC deflection standards.
- OneTouch™ locking mechanism for sub-millimeter accuracy when repositioning the insert.
- Visual cue that the insert is properly secured.

Components of the kVue Calypso Couchtop Package include:

- Qfix kVue Calypso Couchtop Baseframe
  - Quantity: 1
- Qfix kVue Calypso Couchtop Standard Insert
  - Quantity: 1
- Qfix kVue Calypso Back Panel (compatible with Varian Exact Indexing)
  - Quantity: 1
- Qfix Universal Tip Couchtop Insert
  - Quantity: 1
- Qfix Service Panel
  - Quantity: 1
IMMOBILIZATION ACCESSORIES FROM QFIX™

Immobilization accessories offered in the Varian SABR Extracranial Package have been specifically chosen to be used in a stereotactic treatment environment.

ArmShuttle™ Elite

The ArmShuttle Elite is a patient-friendly way to increase breast and lung setup repeatability. This device is lightweight and can be used by itself or in conjunction with other devices.

- Quantity in package: 1

Vac-Q-Fix™ Cushion and Indexer

The Vac-Q-Fix System offers dependability and precise reproducibility for today’s sophisticated treatment methods. Each cushion is custom formed for patient comfort and positioning accuracy, becoming rigid when a vacuum is applied. They can be easily cleaned and reused after each course of treatment. Fine denier fabric and small-diameter foam-bead fill combine to increase conformity and reproducibility.

- For hip, pelvis and upper body treatments
- 100 cm x 70 cm cushion
- 35 liter fill
- Vac-Q-Fix Cushion Qfix quantity in package: 5
- Vac-Q-Fix Indexer Qfix quantity in package: 1

SofTouch Elite™ Bellyboard

The SofTouch Elite Bellyboard is an adjustable stabilization platform designed to position the lower bowel away from the treatment field during prostate treatment. The removable caudal cushion and separate belly support cushions allow for custom patient setup. Its unique semi-firm radiolucent foam provides precise, repeatable positioning and is contoured to relieve pressure point stress and help improve patient comfort. Multiple cushion configurations provide optimal anatomical placement of both external and internal anatomy for improved clinical outcomes.

- Three contoured and adjustable headrests allow for improved patient comfort
- Provides multiple indexing locations to help ensure precise, repeatable positioning
- Ergonomic hand grip designed to help relieve stress on patient’s wrists
- Removable cushions allow for custom patient setup
- Contoured to relieve pressure point stress
- Laser alignment scales
- Quantity in package: 1

Locating Bar, Calypso® Compatible

The Calypso compatible locating bar can be used to secure immobilization devices offered in this package to the kVue™ Calypso® Couch Top during treatments using the Calypso System.

- Quantity in package: 2
The Varian SABR Extracranial Package is dedicated to radiosurgical ablation and represents a major advancement in the way radiosurgery is delivered. Clinics may be able to treat more patients because of the speed, precision and streamlined features integrated within this package. The Varian SABR Extracranial Package makes it possible for you to invest in the future to advance cancer care.

Pre-Requires for Varian Extracranial SABR Package for TrueBeam™:
- TrueBeam System version 2.0 or higher
- Motion Management Interface for TrueBeam

Additional Pre-Requires for the Edge SABR package:
- HD120™ MLC
- PerfectPitch™ 6-degree of freedom couch
- High Intensity Mode (6X or 10X)

Pre-Requires for the Varian Extracranial SABR Package for Clinac™:
- Clinac software version 7.6 or higher
- 4DITC version 10.0 or higher
- MLC with Type 2 communication
- Motion Management Interface for Calypso
- Fine Beam Isocenter Accuracy

Specifications are subject to change without notice. Not all features or products are available in all markets.

Intended Use Summary
The Calypso System, including its associated Beacon transponders, is intended to align and/or monitor the patient’s position in relation to the radiation beam used for treatment. The Calypso System may also be used to regulate the treatment beam on Varian and Siemens radiation delivery systems by turning the beam on and off (“gating” it) due to movement during treatment. Beacon transponders used as part of the Calypso System for monitoring patient motion are indicated for use on the skin surface for temporary external placement and for permanent implantation in the prostate gland and prostatic bed.

Safety
Implanted Beacon transponders may migrate such that they pass from the patient’s body or move to a different location within the body. The most frequent side effects associated with implantation of Beacon transponders are typically temporary and may include, but are not limited to, pain, bleeding, infection. In some patients, these side effects may be serious. Use of the Calypso System and its associated Beacon transponders is not appropriate for all patients. Use of the Surface Beacon transponder for patient setup without correlation to an independent alignment method may lead to patient mis-localization.

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