Pivotal™ Treatment Solution for Prone Breast Care

**Turn Breast Cancer Treatment Upside Down**

Treating breast cancer with radiotherapy in the prone position is gaining acceptance. Growing evidence shows considerable advantages over treating in the supine position for many women.¹⁻⁹ Soon your center can conveniently offer this option to appropriate breast cancer patients.

Pivotal™ treatment solution for prone breast care* from Varian Medical Systems combines the prone technique with an innovative couch top device—the kVue™ Access 360™ insert. Studies suggest that prone breast cancer treatment may significantly reduce dose to heart and lung, obtain good dose homogeneity, minimize respiratory motion, and help reduce skin toxicity.¹⁻⁹ The design enables treatment of both right and left breast, including whole breast, partial breast and accelerated partial breast treatments (APBI).

The ergonomically designed insert is cushioned for patient comfort and snaps quickly in and out of position for ease of use by therapists.

Due to anatomic differences between patients, Pivotal treatment solution for prone breast care may not be optimal for everyone, particularly for a small minority of patients where some heart tissue may be present in the prone breast treatment field.

*Available Spring of 2012

Radiation treatments are not appropriate for all types of cancers and serious side effects can occur, including skin irritation, mild to moderate breast swelling, fatigue, breast or chest wall tenderness, swelling to the ipsilateral arm, reduced blood count and fibrosis.
Advantages — Pivotal Treatment Solution

Prone Technique Dosimetry (as supported by studies)
- Improved normal tissue sparing results with less dose delivered to organs at risk, specifically heart and lung, for most women.
- Increased clearance of open design allows for a wider variety of beam angles for flexibility in treatment planning.
- Prone treatment technique enables good dose homogeneity.
- Absence of a conventional couchtop below the insert helps to ensure that treatment beam angles avoid material which introduce scatter and skin dose.
- Respiratory motion is less pronounced in the prone position, allowing for accurate tumor targeting.
- Integrated mesh grid allows for treatment of supraclavicular nodes in the prone position.

Patient Positioning
- Low profile of couch insert allows patients to easily get on and off the couchtop.
- Near 360 degree access provides maximum visibility for setup including full utilization of lasers and field lights.
- Contoured design, cushion, and hand grip options promote patient comfort, leading to a sustainable treatment position.
- Multiple indexing options and knee positioning guides provide confirmation of patient alignment.
- All patient positioning features lead to enhanced set-up reproducibility, helping to confirm the patient is in the same position for each treatment.

Imaging
- Less scatter and attenuation of the imaging beam through the in-line couch insert leads to high quality, low dose images.
- Reduced chest wall motion in the prone position yields clear, easy to register images.
- Couch insert is specially shaped to minimize CT image artifacts.

Build Awareness and Draw Patients

The Pivotal treatment solution, when available, will include a marketing program to help build awareness of your facility and promote the Pivotal treatment solution to patients, physicians, and your community. When available, the marketing program will include a broad range of marketing and public relations materials such as:
- Press release Advertising templates
- PowerPoint presentations
- Image library
- Educational materials
- Video footage
- Web content

kVue Access 360™ Prone Breast Extension Components
- Right and left prone breast couchtop inserts with foam cushions
- Two headrests: Prone head cushions & contour pillow cushion
- Dual hand grip and ipsilateral hand grip
- Adjustable CT risers (superior and inferior) for CT simulation
- Storage cart
- Requires kVue™ couch top

Weight Limit: 440 lb (200 kg) uniformly distributed load

References