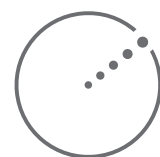


BodyFIX[®]

Maximize positional accuracy



Support delivery with precise patient positioning and immobilization



ELEKTA

BodyFIX[®]

Simple and flexible immobilization

High conformance radiation therapy treatment modalities require precise patient positioning and immobilization. BodyFIX[®] achieves this while preserving patient comfort and confidence.

BodyFIX is engineered to fit today's requirements for image guided radiation therapy (IGRT), stereotactic body radiation therapy (SBRT) and precision radiation therapy. BodyFIX is a non-invasive, dual

vacuum activated positioning and immobilization system that provides the clinician with unique, accurate and comprehensive patient positioning. The patented dual vacuum technology maximizes repositioning accuracy and intra-fraction patient stability by reducing both involuntary and voluntary patient movement.



Providing the foundation for successful patient positioning, imaging and treatment

Challenges in radiotherapy

Motion is a major cause of artifacts and errors in modern imaging procedures and high precision radiation therapy. BodyFIX® enables accurate and precise patient positioning and immobilization, providing the foundation for successful imaging and treatment.

Consistency, confidence and comfort

BodyFIX features advanced custom molding to ensure patient comfort and integrated indexed patient positioning, which provides accurate, precise and reproducible patient set-up for image guided radiation therapy, volumetric modulated intensity arc therapy (VMAT), intensity modulated radiation therapy (IMRT), stereotactic body radiation therapy (SBRT) and highly conformal 3D treatments.

Simple and flexible immobilization

BodyFIX is designed with workflow in mind and requires only one radiation therapist for first and daily patient set-up. This is due to the double vacuum cushion technology maintaining the patient's contours, produced during molding. The modular design optimizes clinical use as BodyFIX can be used for a range of clinical indications such as thorax, pelvis or whole body and a range of clinical techniques such as IMRT and SBRT.

Optimizing image quality

Manufactured entirely from radio translucent material, BodyFIX provides artifact-free image clarity. In addition, it is compatible with CT, MRI (used with a fiberglass baseplate), PET/CT and ultrasound imaging modalities as well as industry-standard indexed tabletops.

Diaphragm control

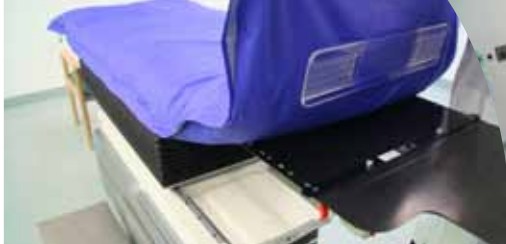
Respiration-induced motion of tumors (e.g. liver and lung tumors) is still a clinical challenge in modern radiotherapy. Larger margins are required to account for respiratory motion and consequently a larger volume of healthy tissue is irradiated. To increase the accuracy and efficiency for these kinds of treatments, the BodyFIX system offers diaphragm control to specifically minimize diaphragmatic movements. By applying pressure on the abdomen below the ribs, the diaphragm motion can be reduced and so the motion of the target can be minimized.

BodyFIX® options



* Work in progress. Not currently available for sale or distribution in all markets.

BodyFIX® workflow



- Position the BlueBAG™ BodyFIX® vacuum cushion on the imaging or treatment table using the indexing bars.



- Position the patient on the BlueBAG BodyFIX vacuum cushion according to the region of interest.



- Position the manifold tube between the patient's legs to provide optimal distribution of the airflow. Then place the manifold cushions over the patient.



- To generate an optimal mold of the patient, firmly pull on the cover sheet.



- Switch on the vacuum pump* connected to the BlueBAG BodyFIX and generate a vacuum between 600 and 650mbar.



- Set the required vacuum level for the immobilization of the patient. Patient is now ready for imaging and/or radiation therapy.



- BlueBAG BodyFIX hip set-up – designed for abdominal and pelvis treatment applications including prostate and cervical tumors.



- BodyFIX breast and thorax set-up – designed for various treatment applications including breast, lung and abdominal tumors.



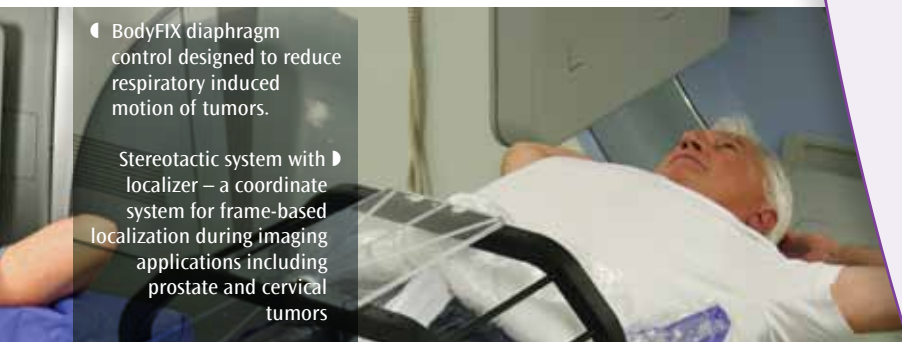
Why BodyFIX®?



- Cover the patient with the cover sheet, making sure it is accurately attached to the BlueBAG BodyFIX and switch on the BodyFIX vacuum pump connected to the manifold tube.



- Remove the BlueBAG BodyFIX from the tabletop and store safely for subsequent fractions.



- BodyFIX diaphragm control designed to reduce respiratory induced motion of tumors.

- Stereotactic system with localizer – a coordinate system for frame-based localization during imaging applications including prostate and cervical tumors

- Results that are consistent and reproducible for confidence in highly conformal delivery techniques

- Simple, flexible and comfortable immobilization solution

- Intra- and inter-fractional motion reduction

- Flexible to suit the treatment and patient pathology – individualized patient care.

- Vendor neutral – able to index to any indexed treatment couch.

A human care company, Elekta pioneers significant innovations and clinical solutions for treating cancer and brain disorders. Elekta provides intelligent and resource-efficient technologies that improve, prolong and save patient lives. We go beyond collaboration seeking long-term relationships built on trust with a shared vision, offering confidence to healthcare providers and their patients.

www.elekta.com

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