Zephyr® HDR

Patient Positioning and Transfer System for Image Guided Brachytherapy

ZEPHYR® PATENTED HOVER TECHNOLOGY
With image-Guided Brachytherapy (IGBT), allowing clinicians to modify dose distributions based on a patient’s individual anatomy and tumor response, typically using CT, PET/CT, and/or MRI, becoming the standard of care, the question arises as to how can you image with the various modalities while ensuring applicator/needle displacement does not occur while moving the patient to the brachytherapy suite.

The Zephyr HDR utilizes patented hover technology for the patient transfer which effectively reduces the displacement of the applicator/needles between imaging and treatment in a safe, accurate, and stable manner.
Zephyr® HDR

Benefits

Improve treatment accuracy
• Minimum risk of accidental needle movement during transfer utilizing hover technology
• Stirrups mounted directly to Zephyr side rails enable the patient to remain in the same position throughout imaging and treatment, reducing procedure start to finish time
• Easily adjust and remove applicators/needles without repositioning the patient
• Enhanced access to implant area

Prevent injuries and reduce staff requirements
• Meets no-lift policy standards
• Less burden and physical strain staff during lateral and longitudinal patient transfer
• Two people can safely and easily transfer a patient between imaging procedures, imaging and treatment
• Increased patient comfort and safety by hovering rather than lifting

Facilitate treatment
• Allows on-site and preplanned HDR provocative procedures
• Essentials permits patient positioning
• Fits small bore CT and MR systems
• Effortless lateral (side to side) and longitudinal (head to foot) transfer without lifting the patient

Incorporate IGBT Treatment Planning
• Deliver a higher dose to the target volume
• Delivers reduced dose to the surrounding tissue and organs-at-risk
• Reduce the occurrence of side-effects

Main Components of the Zephyr® HDR System

Zephyr® Hoverboards

Zephyr® Stretchers

Zephyr® Blower

Zephyr HDR Highlights

Safety Guides

Patient Cushion

Accessory Rails

Premium adult and pediatric stirrups

Large artifact free area

Patented Hover Technology

Three air pads provide hovering capabilities for patients in lithotomy position up to 181 kg

Area of interest is artifact free

15.3"/38.8 cm
Implementing image-guided radiotherapy (IGRT) and adaptive radiotherapy techniques are becoming the standards of practice to improve treatment precision and accuracy. The Zephyr XL series incorporates indexed couchtops that accept immobilization devices for maintaining the positioning of the patients throughout the transfer processes, permitting the flexible use of different imaging modalities CT, PET/CT, and/or MR to achieve IGRT today.

Benefits of the Zephyr® XL Series

• Enabling adaptive radiotherapy techniques
• Increase patient throughput without sacrificing treatment accuracy
• Immobilization devices can be indexed to Zephyr hoverboard
• Reduce staff requirements and injuries
• A variety of Zephyr systems are available which are uniquely tailored to meet the requirements in the radiation therapy environment

Other Zephyr® systems

Zephyr® HP for Orfit High Precision Head and Neck Immobilization

Zephyr® for Orfit HP PRO Solution for proton therapy
Exclusively represents Zephyr® in North America

Orfit brings high precision and comfort to the positioning and immobilization of cancer patients in Radiation Oncology. The combination of Orfit thermoplastic masks and positioning devices provides optimal stability to a point where daily patient movement is limited to less than 1.5 millimeter.

Discover the complete family of Orfit systems for brain, head and neck, supine and prone breast treatment, pelvis and abdomen treatment, SRS, SBRT, extremities, pediatric, MR and proton therapy on www.orfit.com

Zephyr® manufacturer

Diacor develops and manufactures proven solutions in the field of radiation therapy. For more than thirty years, Diacor offers innovative products that are used throughout the world.

More information on www.diacorinc.com

Visit WWW.ORFIT.COM for more information.