

Personalized Treatment Simplifying SIRT Workflow

Dosimetry planning is standardized and improves consistency, while post-treatment verification allows assessment of the absorbed dose delivered for each patient.



KEY FEATURES

Offers a variety of tools and functions to help improve Selective Internal Radiation Therapy (SIRT) dosimetry workflow:

- Multimodal image fusion and registration
- Automated tools for liver segmentation (CT, MRI & CBCT)
- Intuitive Lung Shunt Fraction (LSF) calculation tools
- Dosimetric estimates with single-compartment, multi-compartment, and voxel-wise techniques
- Pre- and post-treatment dosimetry
- Vial selector feature allows you to populate the TheraSphere™ order form directly from the software
- Ability to both import and export contours as DICOM RTSS objects
- Saves data and generates comprehensive reports

NEW FEATURES FOR Simplicit⁹⁰Y 2.6.2

- Updated lung dose tracking for advanced Lung Shunt Calculation
- Ability to load multiple CBCT's into one session
- Calculate normal tissue volume in case of multiple tumors
- Vertical monitor display option
- TheraSphere PDF order form incorporated to allow you to populate, save and use with your standard ordering process

Personalized Dosimetry

Simplicit⁹⁰Y is a comprehensive software solution for dosimetry planning, allowing you to:

Enhance Consistency And Efficiency

Simplicit⁹⁰Y allows you to easily incorporate multimodal images with a range of high-performance registration tools, all with one common interface. Coupled with automated and semi-automated tools for segmentation, this reduces inter-user variability and improves dosimetry consistency and planning confidence.



High performance rigid and deformable image registration

Simplicit⁹⁰**Y**[™] Personalized Dosimetry Software | KEY FEATURES

Analyze with Ease

Manipulate your data and expedite analysis with tools for the following:

- Image-based (2D, 3D) dosimetry assessment
- Rapid LSF calculation
- Advanced image registration quality control tools

Confirm Y-90 Treatment Quality

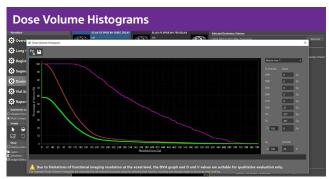
Simplicit⁹⁰Y provides the capability to visualize prospective dose distribution and assess the absorbed dose delivered to structures of interest. By allowing for pre- and post-treatment dosimetry, this software can help determine the effectiveness of a patient's Y-90 SIRT with confidence.

Personalize Dosimetry

Simplicit⁹⁰Y can be used to interactively tailor the absorbed dose per perfused volume by adjusting the injected activity. The software tools can be customized to a patient's specific tumor presentation and anatomy.



View absorbed dose distribution with isodose contour line display



Show heterogeneity of absorbed dose distribution in critical structures, and assess tumor coverage

Intended Use (US Only)

Simplicit²⁶YTM is intended to be used by trained medical professionals for TheraSphereTM pre-treatment dosimetry planning and post-treatment dosimetry evaluation following Y90 treatment. Simplicit²⁶Y is a medical image and information management system that is intended to receive, transmit store, retrieve, display and process digital medical image, as caused, display and print reports from those images. The medical modalities of these medical imaging systems include, but are not limited to, CT, MRL, SPECT and PET. Simplicit90Y provides the user with the means to display, register and fuse medical images from multiple modalities. Simplicit90Y provides tools to create, transform, and modify contours for the user to define objects in medical image volumes for use in TheraSphere pre-treatment dosimetry planning and for post-treatment dosimetry. The objects include, but are not limited to, turnows and normal tissues. For post-tritium-90 (Y90) treatment, Simplicit²⁶Y should only be used for the retrospective determination of dose and should not be used to prospectively calculate dose or for the case where there is a need for retreatment using Y90 microspheres.

Indication for Use (US Only)

Implicit® is a standalone software device that is used by trained medical professionals as a tool to aid in evaluation and information management of digital medical images. Simplicit®'s supports the reading, rendering and display of a range of DICOM compliant imaging and related formats including but not limited to CT, PT, NM, SPCT, NM, SC, RTSS. Simplicit®'s reables the saving of sessions in a proprietary format as well as the export of formats including (SV and PDF files Simplicit®'s included as an accessory to TheraSphere to provide per-tearbent dosimetry enables the saving of sessions in a proprietary format as well as the export of formats including Lung Shunt fraction estimation (Dased on plants astronting-phy) and liver single-compartment MIRD schema dosimetry, in accordance with TheraSphere labelling. Simplicit90Y provides tools to create, transform, and modify contours/Regions of Interest for calculation of Lung Shunt Fraction and Perfused Volume: Simplicit90Y includes features to aid in PheraSphere dose val selection, dose via ordering and creation of customizable reports. Simplicit®9's inducted for post-treatment dosimetry and creation of customizable reports. Simplicit®9's inducted for post-treatment dosimetry and treatment of the control of the con

TheraSphere™ Yttrium-90 Glass Microspheres

INDICATION FOR USE: The asysphere is indicated for use as selective internal radiation therapy (SRT) for local tumor control of soiltary tumors (1-8 cm in diameter), in patients with unresectable hepatocellular carcinoma (HCC), Chid-Pugh Sove A cinhosis, well-compensated laver funding, no macrousscular invasion, and good performance status. ORITRANIO/CATIONS. Thesisphere is contraindicated in patients: whose (1-96 macroaggregated adumin) (MAA) hepatic arterial perfusions oriningaphy shows any deposition to the gastionistic than the patient and activity in patients receiving by patients. The patients are contrained as the patient and the patient and the patients are contrained as the patient and the patients are contrained as the patient and the patient and the patients are contrained as the patients are contrained as the patients are contrained as the patient and the patients are contrained as the patients are contra



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