A Comprehensive Solution for Y90

Key Features

- Timesaving tools for liver, lungs, and tumor VOI generation
- Divide liver into lobes or segments
- Calculate liver-lung shunt fraction
- Post-op dosimetry for Y90-PET and SPECT
- Integrated reporting tools
- RECIST and PERCIST tools

“A fundamental goal for our company is to provide superior customer service. I never, ever, want to leave a customer unsatisfied. Our sales people and applications specialists work very closely with our engineers; and together they all work in customer service. All of our people know our products, of course, but just as important, they know our customers’ needs and problems.”

DENNIS NELSON, PhD
Founder & President
MIM Software Inc.

To learn more, call 866-421-2536 or visit mimsoftware.com/contact to schedule a presentation of MIM.
Pre-Treatment

MIM SurePlan™ LiverY90 provides timesaving tools for liver and tumor segmentation, deformable registration, and post-treatment dosimetry using Y90-PET and Bremsstrahlung SPECT.

Use it alone, or integrate SurePlan LiverY90 into the larger MIM ecosystem and take advantage of a comprehensive, vendor-neutral platform for Nuclear Medicine processing and review. Now you can read PET/CT, PET/MR, SPECT/CT, and planar Nuclear Medicine images from any major manufacturer, all in one system.

- Quickly generate liver and tumor volumes
  - Reduce time to generate liver VOIs from 30 minutes to 10 minutes or less
  - No need to wait on the 3D lab for volumes of interest
- Easily divide liver into lobes or segments to determine target region volumes
- Semi-automated tumor segmentation tools
- Planar and SPECT/CT lung shunt calculations
- Incorporate multiple modalities with rigid and deformable registration

Post-Y90 Dosimetry

The 2013/59/EURATOM Council Directive specifies the need to verify delivered doses from radiation treatments. SurePlan provides tools for Yttrium-90 microsphere post-treatment dose calculation using PET and SPECT. Delivered dose can be compared to follow-up exams with automated tools for therapy response evaluation. The resulting treatment information can then be incorporated into the patient record.

- Dose calculation on both Y90-PET and Bremsstrahlung SPECT
- Vendor-neutral dose calculation, resin, and glass
- Calculate dose using Voxel S Value Kernel Methods, Local Deposition Method, and Local Deposition Method with known activity (SPECT/CT)
- Combine Y90 dose with dose from other treatments such as external beam radiation therapy
- Automated tools for therapy response assessment
- Create information-rich reports with dosimetry and therapy response information
- Provides immediate information for earlier follow-up treatment decisions