

Convenient operations

Flexible IT infrastructure

- ✓ No VPN Required
- ✓ JPEG2000 Compression
- ✓ Full DICOM support

Convenient Deployment and Licensing

- ✓ Thin or thick client
- ✓ Thin client on MAC
- ✓ PACS integration
- ✓ Concurrent licensing

Focused analysis

Multi-modality fusion

- ✓ PET-CT, SPECT-CT, and PET-MR
- ✓ PET-CT to independently acquired MR or CT scans

Maximum Intensity Projections (MIP)

- ✓ Rotate MIP with independent window/ level, pan and zoom control
- ✓ Triangulate in 2 viewport by click on MIP image
- ✓ All SUV_{max} displayed directly on MIP

Enhanced Study Comparison

- ✓ Compare up to 7 studies simultaneously
- ✓ Automated study alignment
- ✓ Synchronized zoom/pan/stack and crosshair position
- ✓ Store ruler and SUV measurements and restore prior SUV VOIs measurements from earlier to later studies
- ✓ Lesion tracking of SUV, volume, and diameter
- ✓ Left/right or top/bottom comparison options

Workflow Efficiency

- ✓ Independent color maps for fused and non-fused images
- ✓ Toggle and compare AC and non-AC PET images
- ✓ Industry leading image load time
- ✓ Intuitive user interface

Standardized Uptake Values (SUV)

- ✓ Calculate SUV_{max} in a volume and area
- ✓ Identify SUV_{max} pixel on 2D and MIP viewports
- ✓ List all SUV_{max} measurements with Master Lesion Index and triangulate all viewports with a click
- ✓ Manual input SUV calculator; Weight and height corrections
- ✓ SUV LBM and SUV BSA
- ✓ Total lesion glycolysis

Optimization

User Based Profile Customization

- ✓ Over 75 user specific keyboard shortcuts
- ✓ User specific mouse button functionality for MIP and MPR viewports
- ✓ Single study and comparison viewport layouts
- ✓ Custom color maps
- ✓ Color maps for standalone and fused views
- ✓ Crosshair type
- ✓ Starting fusion opacity
- ✓ Double click zoom full or half screen
- ✓ Auto triangulate to max pixel
- ✓ Follows you; storage on shared network drive or web

For Referrers

Review and Collaborate

- ✓ Export single images, series, as DICOM secondary capture, including MIP
- ✓ Summarize and distribute key image findings in multi-image series
- ✓ Copy images to desktop applications
- ✓ Save fused series and secondary captures back to PACS

View it in UniSyn™

Image Fusion and Analysis. What you want, where you want it.

Advanced measurements

Auto Segmentation

- ✓ Automatically determine areas, maximum diameter and volumes of lesions on PET images
- ✓ Segmentation threshold based on percentage of lesion maximum or absolute SUV
- ✓ Automatically determine maximum SUV bounding box

Enhanced Lesion Tracking

- ✓ Store previous SUV_{max} and lesion diameters
- ✓ Track lesion volumes, max diameter and max/peak SUVs
- ✓ Graph lesion statistics or export data to spreadsheet

AutoFuse

- ✓ Manual and automated 3D registration
- ✓ Save the registered data set or export the fused images back to your PACS

About Convergent Imaging Solutions

About Convergent

Convergent's UniSyn™ image fusion module provides advanced tools to support radiologists and clinicians in the United States, Canada, Australia, and New Zealand. Founded in 2007, Convergent Imaging Solutions is based in Ottawa, Canada.



For general inquiries or to arrange an online demonstration of UniSyn™ please call 866-928-8423 (toll free) or email sales@convergentimaging.com

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