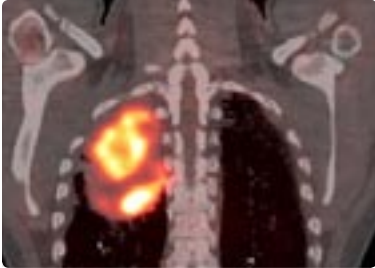


contouring · cardiac · fusion · neuro · connectivity

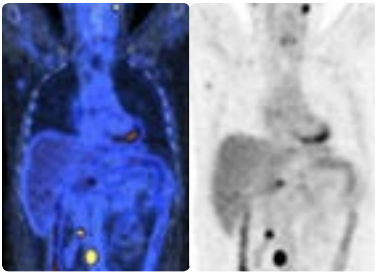


enhancing patient care



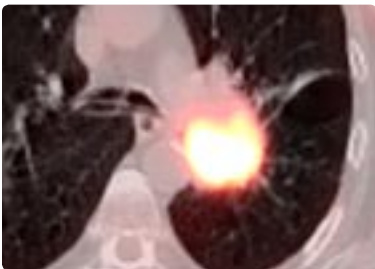
comprehensive image review

MIM provides unparalleled functionality as a multi-modality image review workstation which includes display of fusion images acquired on both separate and combination scanners. A thorough PET review and fusion package is offered, as well as cardiac and 2D support. MIM provides excellent flexibility with both image manipulation and display variety, including tabbed screens for multi-patient presentation.



multi-modality image fusion and display

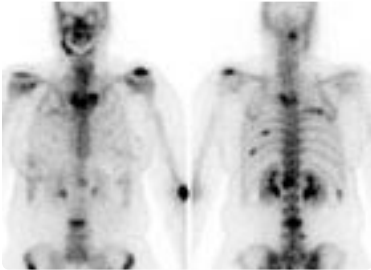
Fuse any combination of PET, SPECT, CT or MRI from virtually any manufacturer's system for enhanced visualization. Fusion of 2D images is also afforded. True color image fusion allows high quality, lossless presentation of registered image volumes.



advanced diagnostic tools

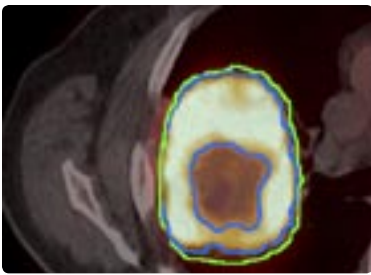
MIM provides **fast assisted alignment**, a high speed automatic fusion process that accurately aligns two data sets in five to ten seconds, without the need for corresponding point selection. **Volume linking** is also provided allowing for the correlation of studies along multiple time points, including PET/CT and fused images. These diagnostic tools dramatically reduce processing and set up time, markedly improving physician efficiency and consistency.

enhanced visualization



connectivity

Increased practicality is afforded with robust DICOM connectivity between modalities, PACS, and radiation therapy workstations around your department. Both DICOM and Windows printing options are available. Create and send DICOM Secondary Capture of fusion images and rotating MIP movies to PACS for long term storage and later review.



innovative features

A number of robust tools are included in MIM, including automatic contour generation that allows for the creation of 3D PET/SPECT ROIs for export to Radiation Therapy. **SUV based sub-segmentation** of automatically created ROIs can also be displayed. The presentation of subtracted **difference images** provides means for quantitative analysis of pre and post studies for therapy validation and monitoring.



MIMvision DICOM viewer

Automatically create MIMvision DICOM CDs for distribution to referring physicians which allow practical review of individual or fused volumes, flexibility of display and SUV calculations. Fusion volume control with MIMvision includes presentation variety, volume blending, and contrast adjustment among other features.

intuitive and efficient interface

- multi-modality fusion & display (PT, NM, CT, MR, 2D)
- assisted alignment completed in ~10 seconds
- assisted alignment on user defined local anatomy
- intuitive manual alignment
- comprehensive PET review
- operator controls accessible with a mouse click
- multiple display options
- generate multiple slices of any view
- display volumes at any magnification
- synchronized display of aligned images
- original volume resolution is maintained
- on-screen help
- create subtraction/difference images

contouring

- automatic PET/SPECT 3D contouring tool
- contour editing with 2D/3D paintbrush in axial, sagittal and coronal views
- segment tumor volumes based on SUV levels
- quality true color image fusion facilitates contour definition
- highlight voxel contours on aligned CT/MR volumes for legacy RTP systems

cardiac

- ASNC orientation
- automatic calculation of cardiac volumes
- gated PET/SPECT LVEF measurements
- fusion of stress/rest images
- difference images expressed in percent of maximum myocardial intensity

enhanced marketing tools

- MIMvision DICOM viewer with fusion capabilities
- annotation
- report generation
- screen capture utilities

system specifications

- Pentium 4 3.2+ GHz
- 2 GB RAM
- 48x CD-RW drive or 16x DVD-RW
- 400 GB hard drive
- 64+ MB VGA/DVI graphics card
- 19" high res or 19"/20" flat panel monitor(s)
- 10/100/1000 ethernet card
- MS Windows® 2000/XP Professional

import formats

- 3D DICOM PT, NM, CT, MR
- 2D DICOM NM, US, CR, DR, CT scout, Secondary Capture
- ECAT PET and Siemens ICON
- JPEG, TIFF, BMP
- Interfile

output formats

- DICOM aligned PT, NM, CT, MR
- DICOM RT Structure Sets for ROI contours
- DICOM Secondary Capture
- MIP as DICOM, AVI, MPEG
- JPG, BMP, TIFF
- DICOM Print
- Windows® Print

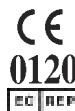
networking

- DICOM send/receive & query/retrieve
- send volumes and secondary captures to PACS
- FTP send/receive

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