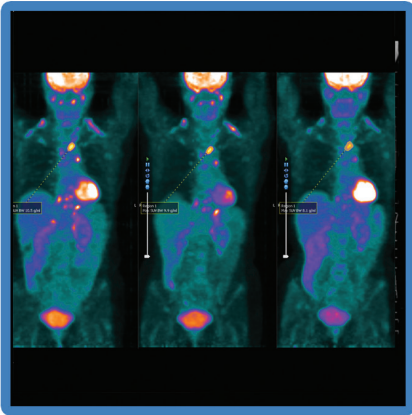
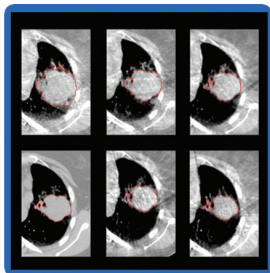


Mirada XD3

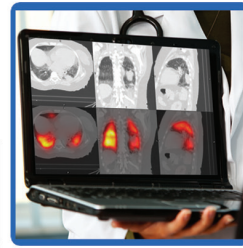
Fusion and Quantitative Reading Software for PET | CT | MR | SPECT | NM



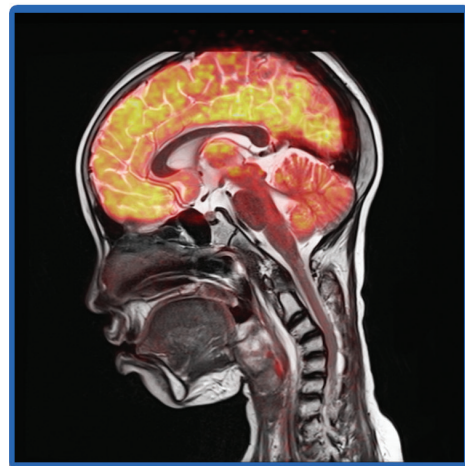
Quantitative PET/CT Reading



Research and Trials



Knowledge Share



Full-featured PET/MR Software

"We selected Mirada XD3 for our tumour metrics on clinical trials to save time and improve consistency and because it provides powerful tools for CT volumetrics, PET/CT quantification and MR analysis in a single platform. We believe the functionality of the system will allow us to adapt it for many other applications."

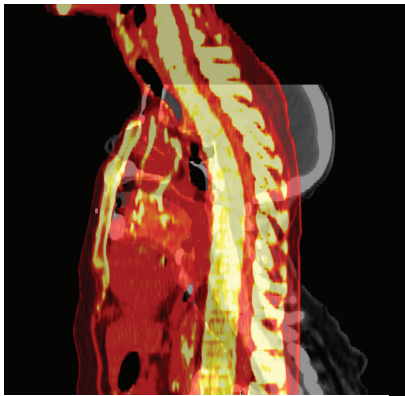
*Reginald Munden, M.D., D.M.D., M.B.A.
Professor of Thoracic Radiology
Houston, TX*

Why Mirada

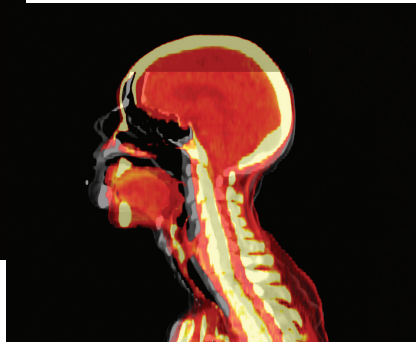
Passion. Innovation. Dedication.

These words are often mentioned when describing Mirada's brand. From the meticulous science and engineering in our products to our exceptional customer support and service programs these values are apparent. Our solutions generate genuine clinical advantage.

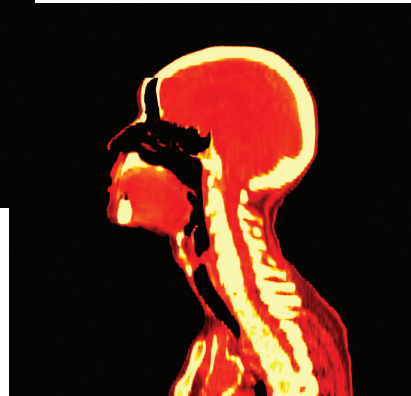
Mirada software can be deployed in a variety of ways to provide the access you desire. We offer workstation based installations, thin client, floating licences, PACS integrations or any combination of installations to meet your needs.



Before registration



After rigid registration



After deformable registration

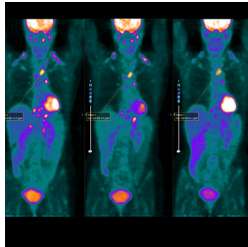
Mirada Image Fusion

Since introducing Fusion 7D in 2002, the industry's first clinical deformable image registration solution, Mirada has remained a leader in medical imaging software. Mirada fusion technology has been integrated into products delivered by GE, Siemens, Toshiba, McKesson, Vital Images, Carestream, Sectra and others. You can trust Mirada's powerful registration algorithms to deliver those results that rely on accurate image registration.

"The Mirada application has exceeded my expectations. XD is so much better than anything I've read on before."

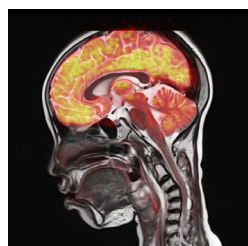
*Phillip Kuo, M.D., PhD
University Medical Center
Tucson, AZ*

Providing genuine clinical advantage



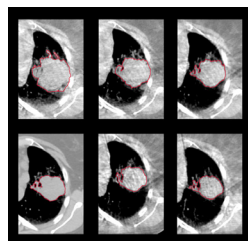
QUANTITATIVE PET/CT READING

Mirada's PET/CT reading software makes quantitative reading efficient and practical. Experience automatic alignment of longitudinal studies upon load, and single click region tracking with results automatically tracked in exportable tables/graphs. Increase reproducibility and time-saving with Saved Sessions. Send bookmarks, ROIs and other findings to PACS for future recall.



FULL-FEATURED PET/MR SOFTWARE

Mirada is the first vendor to provide full-featured software for PET/MR interpretation. For hybrid PET/MR data, load multiple studies, registered with PET/CT if desired, and swap MR sequences in real-time even in a fused view. Accurate deformable image registration allows you to perform quantitative analysis on PET/CT and PET/MR simultaneously. For software-derived PET/MR, Mirada's validated CT/MR deformable image registration allows you to register PET/CT with MR, regardless of scanner, for PET/MR fusion.



RESEARCH AND TRIALS

Our vendor neutral platform is ideal for your image based research and clinical trials. Whether utilising CT RECIST, CT Volumetrics, PET/CT, or MR, individually or in any combination, XD3 provides a unique platform to co-register and quantify all modalities over time. Our customisable reporting tool concisely summarises your results in exportable tables and graphs.



KNOWLEDGE SHARE

Mirada's suite of innovative solutions allows for seamless interdepartmental communication. Share your findings with referring clinicians by providing a web portal for secure viewing or download of image volumes, findings, and reports. Elegantly present images at MDT meetings while using familiar image manipulation tools interactively. Collaborate with your Radiation Oncology department by exporting regions of interest from PET as DICOM Radiation Therapy Structure Sets (RTSS) directly to treatment planning systems. Share the knowledge you possess with colleagues throughout your organisation

"With Mirada, we can easily perform multi-sequence switching and compare PET/MR side-by-side with PET/CT cases. It's really enhanced our research capability in this exciting field."

Johan Löfgren
Senior Consultant
Rigshospitalet, Copenhagen

Features

	Standard	Advanced
DATA TYPES		
Vendor neutral support for CT, MR, PET/CT, SPECT/CT, NM, SC	✓	✓
Support for 4D (gated) multiple time point data		✓
Support for multi-sequence, multi time point MR		✓
Support for multi-phase, multi-time point CT		✓
REGISTRATION		
Rigid image registration	✓	✓
CT deformable image registration for longitudinal region tracking	✓	✓
Modality-specific deformable image registration		✓
Deformable assessment and quantification tools		✓
Motion correction for hybrid scans		✓
Motion correction between CT phases and MR sequences		✓
USER INTERFACE AND WORKFLOWS		
Initial with one follow-up multi-modality scan comparison	✓	✓
Initial with two follow-up multi-modality scan comparison	Option	✓
Initial with unlimited follow-up multi-modality scan comparison		✓
Rigid fusion of single phase CT or single sequence MR to CT, MR, PET/CT, or SPECT/CT	✓	✓
Deformable fusion of single CT or MR to CT, MR, PET/CT or SPECT/CT		✓
Deformable fusion of multi-phase CT or multi-sequence MR to CT, MR, PET/CT or SPECT/CT		✓
Software PET/MR		Option
Single click region tracking	✓	✓
Advanced PET/CT review modes such as "Heck and Neck" and "Melanoma"		✓
Nuclear Medicine review with integrated planar and SPECT/CT	✓	✓
Save state, bookmarks, VOIs, rulers to PACS	✓	✓
Derive bidirectional ruler from VOI	✓	✓
Export rich viewer to CD or file system	Option	✓
Export structures and fused volumes to Radiation Therapy		✓
QUANTIFICATION		
Quantify SUV, volume, linear and bi-directional measurements	✓	✓
Support for SUV max, mean, peak, min, median, std. dev., volume by weight, LBM, and BSA	✓	✓
CT segmentation tools for CT volumetrics and RECIST evaluation		Option
Support for standard response assessment protocols RECIST 1.0/1.1, PERCIST, etc.	✓	✓
Standard Data QC - general automatic checks	✓	✓
Advanced Data QC - configurable consistency checks for DICOM meta-data		✓
Voxel intensity classification - graphical analysis of region content based on voxel values		✓
Built-in reporting tool	✓	✓
CUSTOMISATION		
Configurable hot keys for all tools and windowing options	✓	✓
User-defined image layouts with multi-monitor support	✓	✓
Toolbar menu customisation	✓	✓