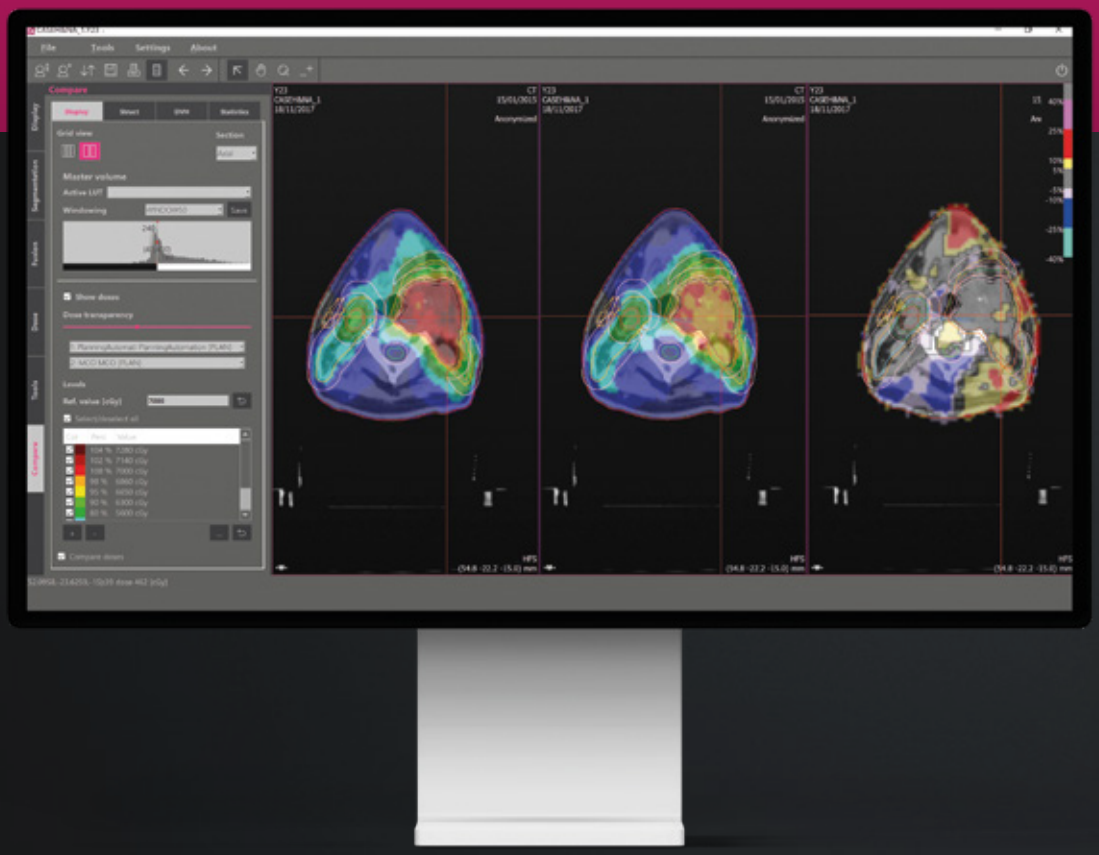
iTA Data

WE TAKE CARE OF YOUR DATA



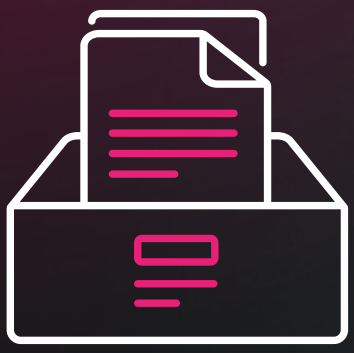
A software solution that integrates advanced tools for managing, visualizing, and analyzing images and data in Radiotherapy, Nuclear Medicine and Radiology

- DICOM and DICOM RT data storage and management, backup & restore, DICOM encapsulation, creation of PDF report files
- Simple configurator of advanced DICOM forwarding rules
- Tools for 2D/3D multimodal visualization
- Manual and automated tools for multimodal image registration and segmentation
- Dose distribution visualization, DVH calculation, tools for comparison and evaluation of RT plans
- Smart virtualization with Citrix Virtual Apps

TECNOLOGIE AVANZATE

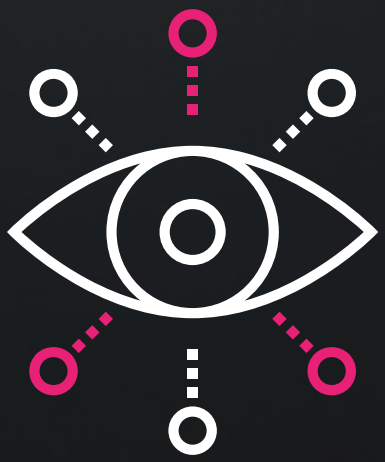
iTA Data | WE TAKE CARE OF YOUR DATA

DICOM MANAGEMENT MODULE

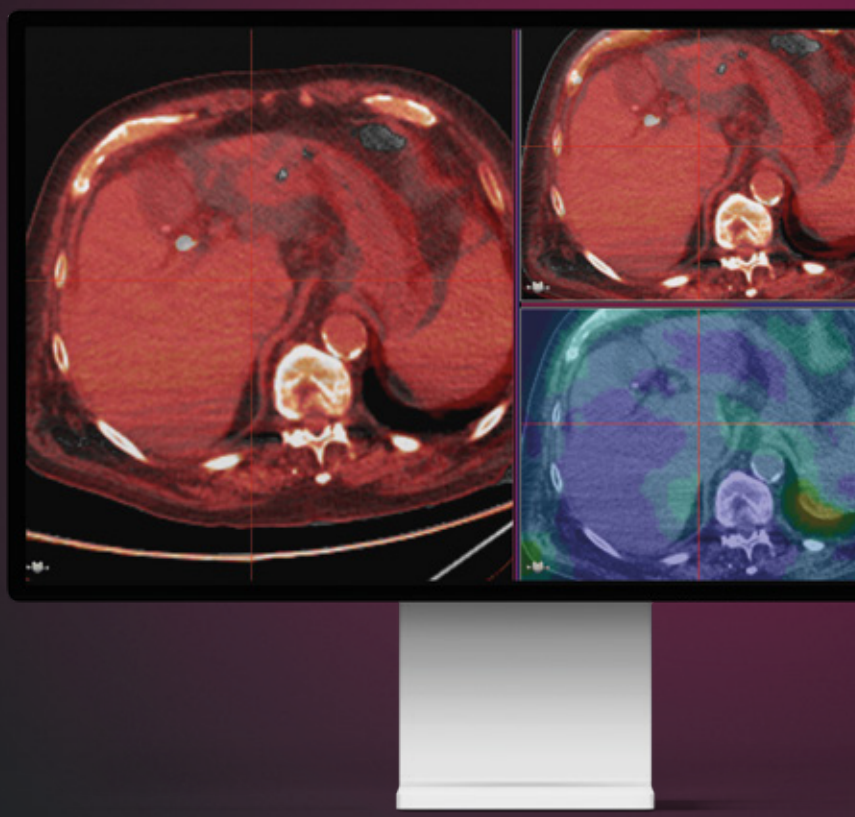


- Easy configuration of advanced DICOM forwarding rules
- Backup and Restore tools
- DICOM Encapsulation of all types of files
- DICOM tag visualization and export
- Customizable anonymization of sensitive patient data
- Print of patient report with the most relevant patient and institution data, ROIs list and statistics, DVHs

VISUALIZATION MODULE



- Multimodal visualization with integrated sagittal, coronal, and transversal views
- Visualization of CT, kVCT, CBCT, MVCT, MRI, PET, SPECT, 3DUS, MG and RT images
- Multiplanar reconstruction of RT structures and doses
- Simple tools for manual contouring and ROI editing
- Display of PET images in SUV units and ROI statistics in SUV values
- Fusion tools with overlay and checkerboard display options
- Dose Volume Histogram (DVH) visualization
- Comparison of dose distributions and DVHs
- Simple measuring tools



ADVANCED TOOLS

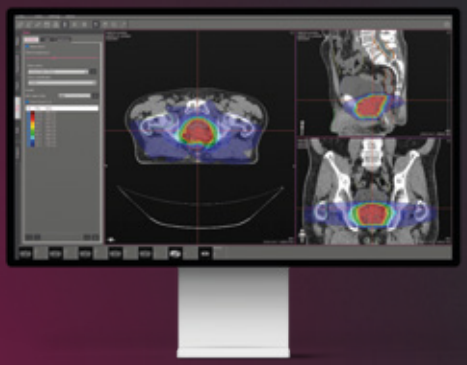
- Accurate method for DVHs computation
- Ideal dose computation
- Tools for evaluation and comparison of plan quality scores
- Manual and automatic tools for rigid and deformable image registration
- Automated tools for target and OARs segmentation **OPTIONAL**
- Complexity metrix extractor for patient specific quality assurance **OPTIONAL**
- Log file conversion to RT Plan **OPTIONAL**
- .Tar to DICOM archive converter **OPTIONAL**
- Bidirectional RT Struct and DICOM SEG conversion **OPTIONAL**
- Synthetic CT image generation from CBCT and MR powered by AI **OPTIONAL**

WHY iTA DATA

Designed to seamlessly integrate advanced tools, leveraging cutting-edge algorithms and AI-driven approaches to deliver superior performance, precision, and efficiency across a wide range of applications

iTA Data

WE TAKE CARE
OF YOUR DATA



- An adaptive groundwork
- A safe crossroad
- A layered platform

Lungo Dora Voghera, 36/A - 10153 Torino
Tel 011 660 0101
Fax 011 6600146
Email: info@tecnologieavanzate.com
PEC: tecnologieavanzate@registerpec.it
www.tecnologieavanzate.com

TECNOLOGIE
AVANZATE