Программное обеспечение

Описание

По вопросам продаж и поддержки обращайтесь:

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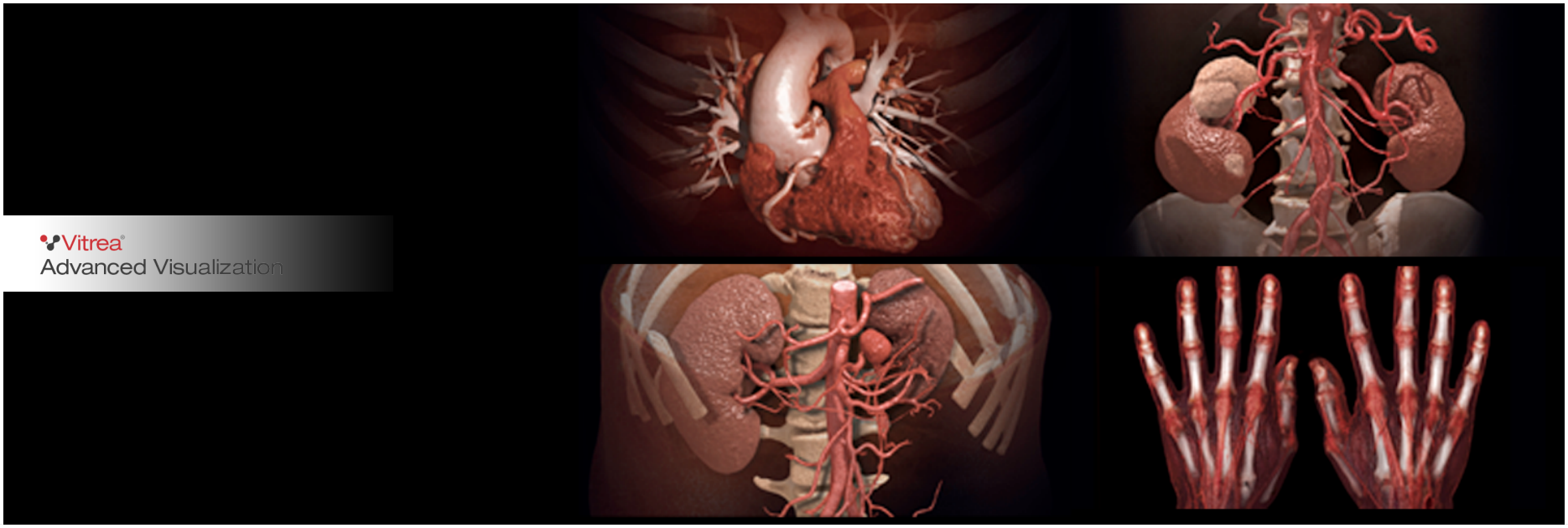
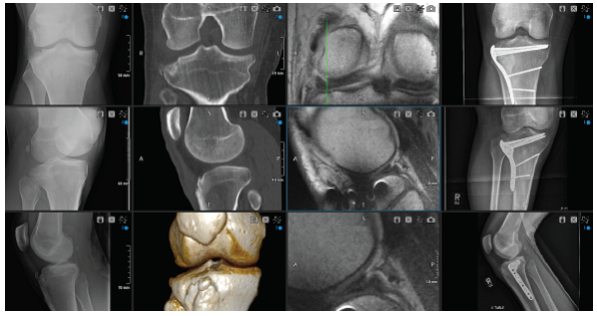
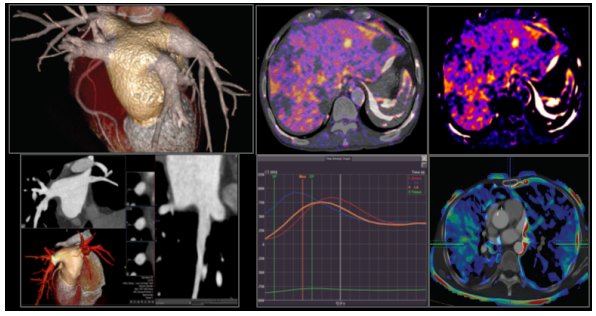


VITREA ADVANCED VISUALIZATION

Vitrea® Advanced Visualization is a **modular** viewing platform that provides a broad range of functions with the option of adding more functionality when you need it.



Our **multi-modality** suite of advanced applications provides full-powered solutions for 2D, 3D and 4D advanced visualization used to process and analyze clinical data from multiple modalities – CT, MR, PET, SPECT, US and XA.

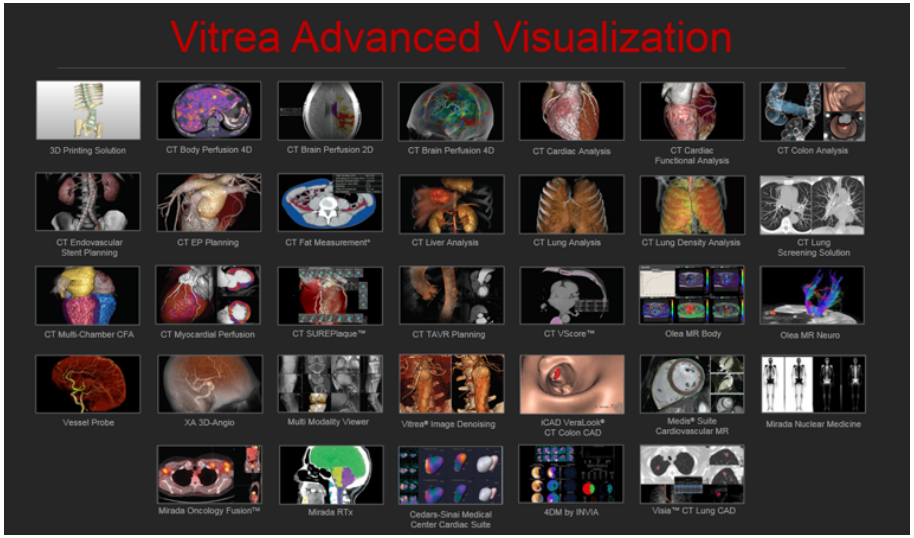


Vitrea Advanced Visualization is **multi-vendor** and allows you to use advanced applications with all modalities – irrespective of the manufacturer.

MODULAR IMAGING SOLUTIONS

Vitrea Advanced Visualization is a modular viewing platform thatprovides a broad range of functions with the option of adding morefunctionality when you need it. We offer comprehensive toolsets thatsupply physicians with information for planning procedures and treatingpatients.

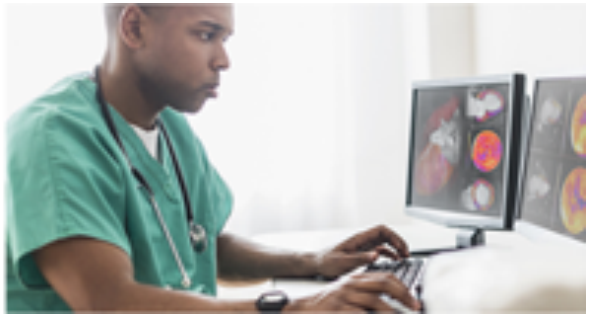
- Ease of use : unified workflow and user experience
- Increased efficiency: all the information you need to make a decision available in one place anytime, anywhere.
- Save time: Master big amounts of data in less time. Share images and collaborate in real time.



DEPLOYMENTS

Workstation

A one user, intuitive, multi-modality workstation increases productivity helping to optimize the time and resources needed to produce clinical results.



Extend

A three-user, multi-modality solution that increases your department workflow with a cost-effective alternative to enterprise integration, all with minimal IT impact.

Enterprise

An enterprise-wide advanced visualization solution provides scalable thin client access to multi-modality clinical solutions anywhere in your medical enterprise.

MULTI-MODALITY CAPABILITIES

Vitrea is multimodality. Our suite of advanced applications provide full-powered solutions for 2D, 3D and 4D advanced visualization used to process and analyze clinical data from multiple modalities – CT, MR, XA, PET, US and SPECT.

Facilitates Improved Outcomes

- Save time by mastering large amounts of data faster.
- Use segmentation tools.
- Share images through real-time collaboration.

Increases efficiency

- Displays all the information you need to make a decision in one place anytime, anywhere.
- Launches into additional advanced applications more easily.

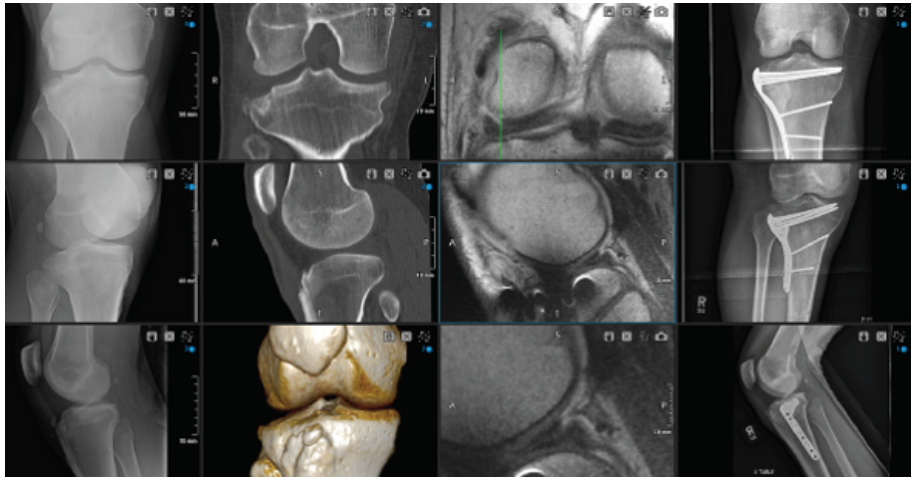
Easy to use

- Provides a unified workflow and user experience.
- Offers comprehensive and consistent multi-modality workflows.
- Presents consistent user interface with all Vitrea deployments.

MULTI MODALITY VIEWER

Key Benefits: MRI, CT, CR, DX, RG, RF, XA, PET and PET/CT images

- Seamless features to compare multiple series.
- Ability to switch to additional integrated applications to further post-process or quantify the series.



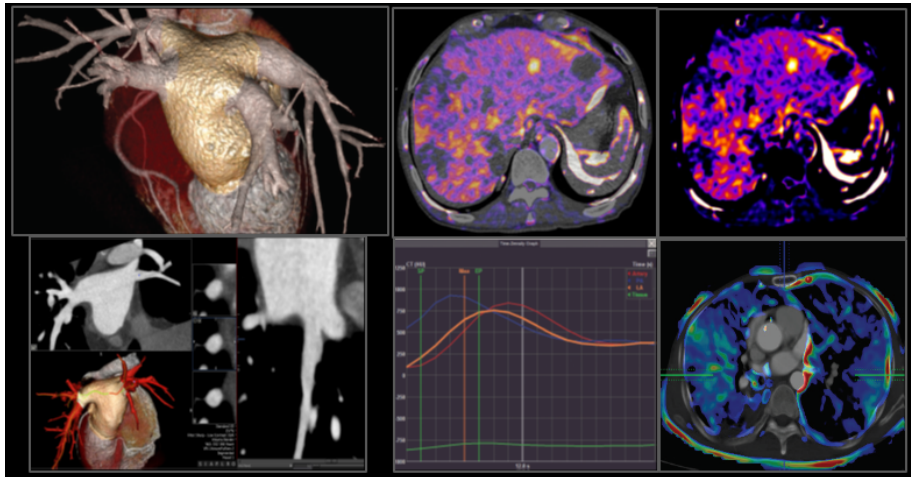
Features

- Ability to access advanced applications and workflows from within the viewer.
- Semi-automated whole body MRI stitching Supports image process for subtraction of two CT/MRI series/datasets.
- Multi Modality Viewer supports a dedicated node deployment for up to eight concurrent users.

MULTI-VENDOR FLEXIBILITY

Vitrea Advanced Visualization is multi-vendor and allows you to:

- Use advanced applications with all modalities – irrespective of the manufacturer – to help reduce training costs and to become an expert through familiarity.
- Consolidate the number of separate applications, and reduce the complexity of managing many independent applications and suppliers.
- Supplement PACS reading through its multi-vendor capabilities.



A NEW KIND OF CLINICAL WORKFLOW

Bringing an additional layer of intelligence to our Collaborative imaging offering, Automation Platform is an AI-based, zero-click solution that uses deep learning technology to streamline your workflow for fast, actionable results every time. From scanner to clinical decision, you'll be supported by leading-edge deep learning technologies that process and deliver images for accurate triage, worklist prioritization and treatment decisions.

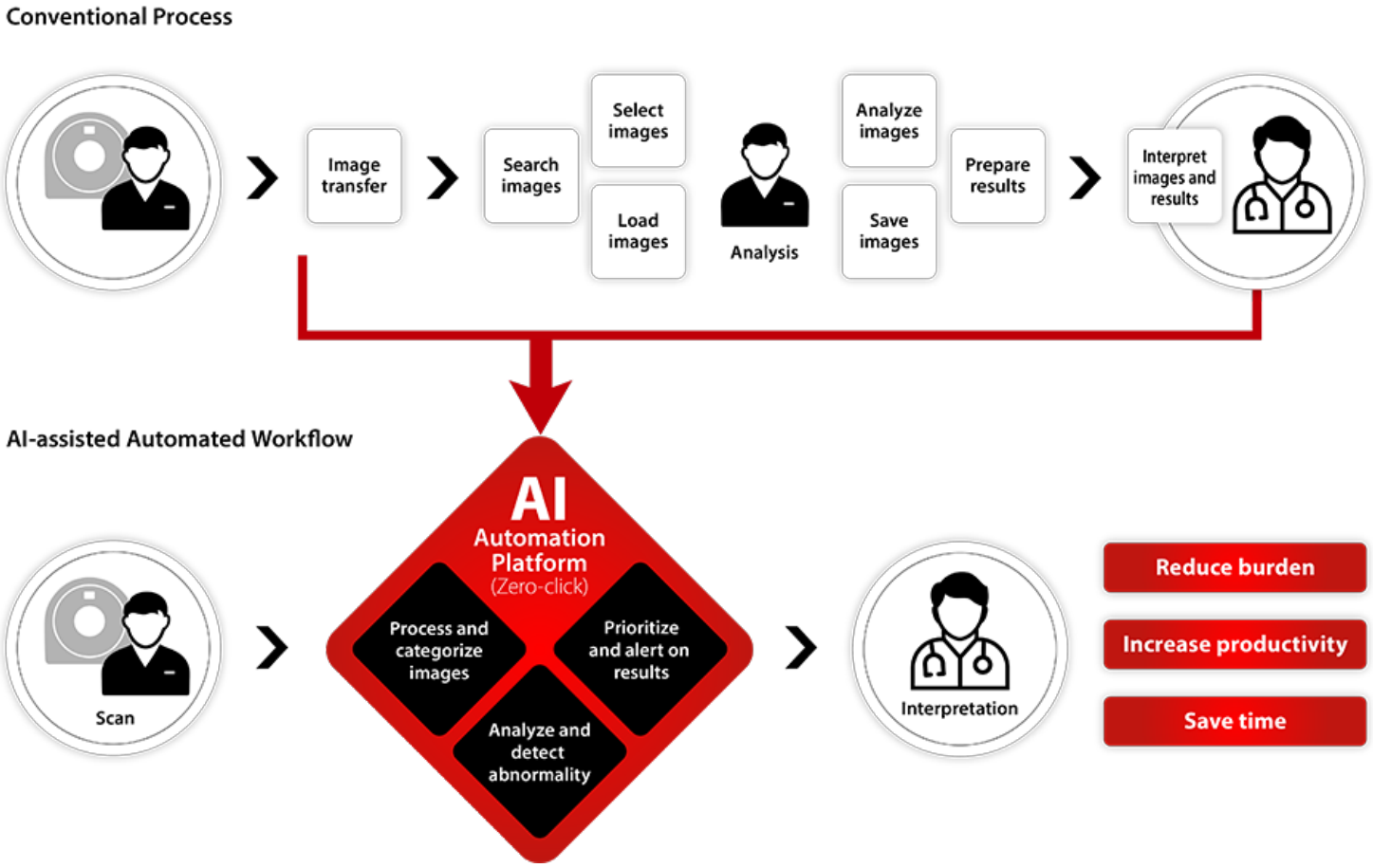
A SMARTER WAY TO WORK

Take action at the right time

Automation Platform has been designed with your ease and convenience in mind. Not only does it collect images directly from your scanner or repository, it analyzes, tags and sorts the data based on patient-specific information.

If an abnormality is found, the system will automatically assess it and notify the patient's care team with an alert so they can determine its severity. It will also implement a series of clinical workflows, in addition to sharing qualitative and quantitative Insights Results with relevant clinicians, to help you make the right choice at the right time for your patient.

WORK FASTER, WHEN TIME IS EVERYTHING



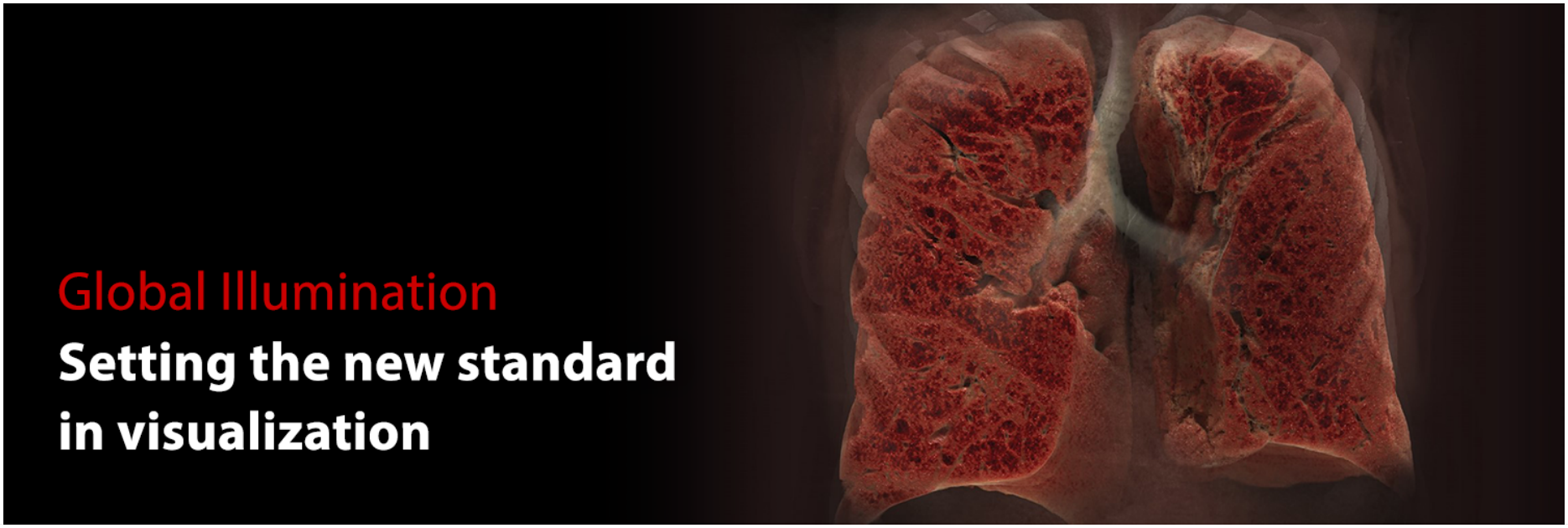
EVOLVING AI IN HEALTHCARE FOR EVERYONE

Harness the power of deep learning

Automation Platform has been built on a brand-new technical architecture that combines the latest deep learning innovations with improved deployment, scalability, installation, and maintenance. It's extremely configurable, fully GDPR-compliant, and is designed to work within multiple clinical settings, with a range of tools.

AUTOStroke solution

As part of our Automation Platform offering, we've created an innovative solution that helps optimize treatment outcomes for stroke patients when speed and accuracy are everything.



Innovate. Collaborate. Integrate.

Global Illumination is a new revolutionary 3D/4D rendering technique to help provide a more photorealistic view of human anatomy, available within existing Vitrea Advanced Visualization workflows. Users can stay at the forefront of their industry by using new cutting-edge real-time photorealistic rendering techniques delivered by Global Illumination, share findings more easily with both Multi-Disciplinary Teams and patients as well as seamlessly integrate photorealistic images into routine clinical workflow.

Pure Innovation

Position yourself at the forefront of your industry with new cutting-edge, real-time photorealistic rendering techniques

Photorealistic: Global Illumination rendering uses complex lighting and shading techniques to provide photorealistic imaging.
Greater detail: Improve your understanding of image content, such as anatomy, spatial relationships, and lesion identification, through the greater detail that Global Illumination rendering offers than in traditional volume rendering.
Real time & interactive: Real-time image manipulation and editing enables you to quickly segment and edit anatomy – without disrupting clinical workflow.
Patented technology: Canon's next-generation Global Illumination with patented market-leading technology will change the way you look at medical imaging.

Smart Collaboration

Share findings more easily with both MDTs and your patients, thanks to outstanding photorealistic images

Improved communication and collaboration with non-radiology physicians: Using outstanding photorealistic imaging allows for effective sharing and education across MDTs and cross-facility departments. Conveying information outside of Radiology has never been easier.
Improved image understanding and application by the non-radiologist physician: Global Illumination rendering is a tool to cross over to new clinical domains, for example, forensic imaging. It also potentially aids in surgical planning and oncology.

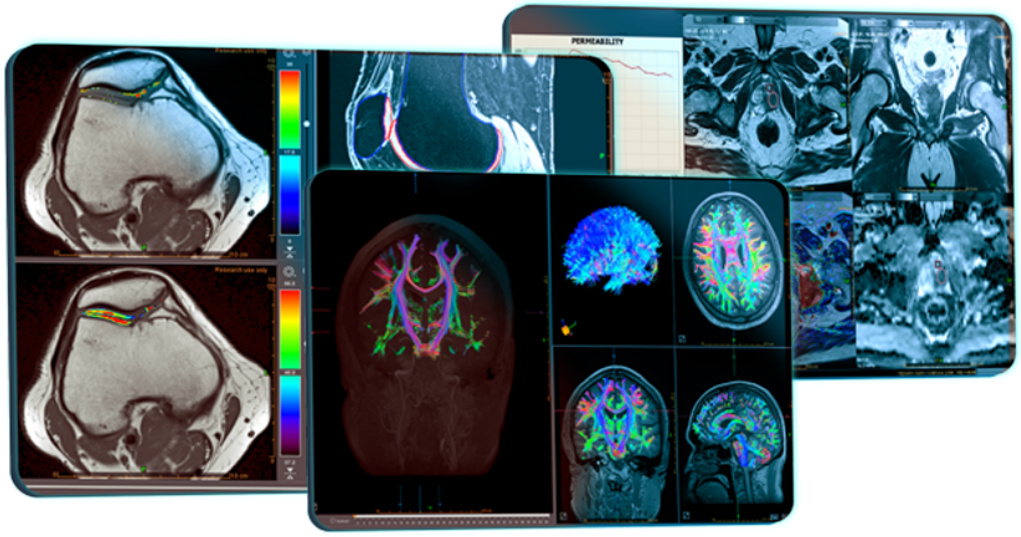
Intelligent Integration

Integrate photorealistic images in clinical workflows for unprecedented time and cost-efficiency

Integrated into existing workflow: Global Illumination rendering works on standard hardware so you can get the benefits of photorealistic 4D image rendering in routine clinical workflow with no added time or effort.
New use cases: Images generated with Global Illumination rendering enhances communication when used with existing tools, and has the potential to add value and change the way reporting is done today and in the future.
Surgical planning: Global Illumination rendering has promising use in aiding surgical planning and complementing benefits of 3D printing*.

* The output 3D anatomical model is not for diagnostic use

Olea post processing

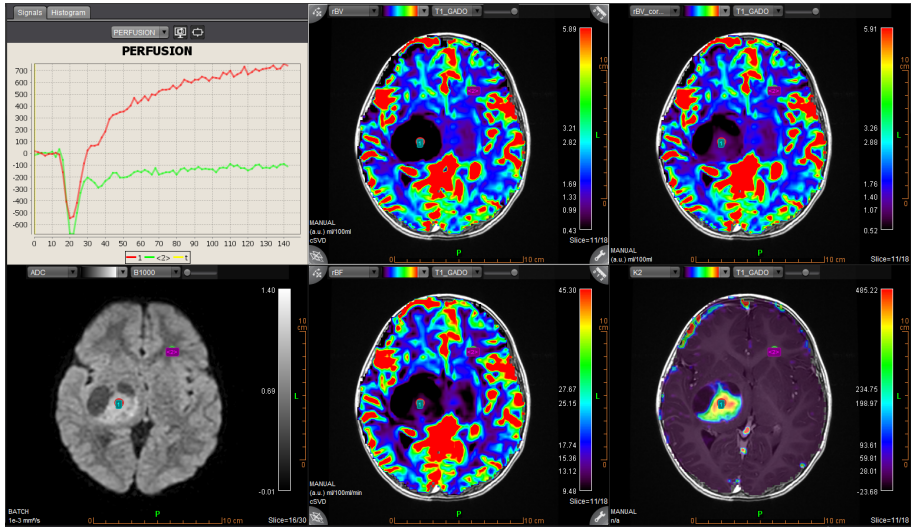


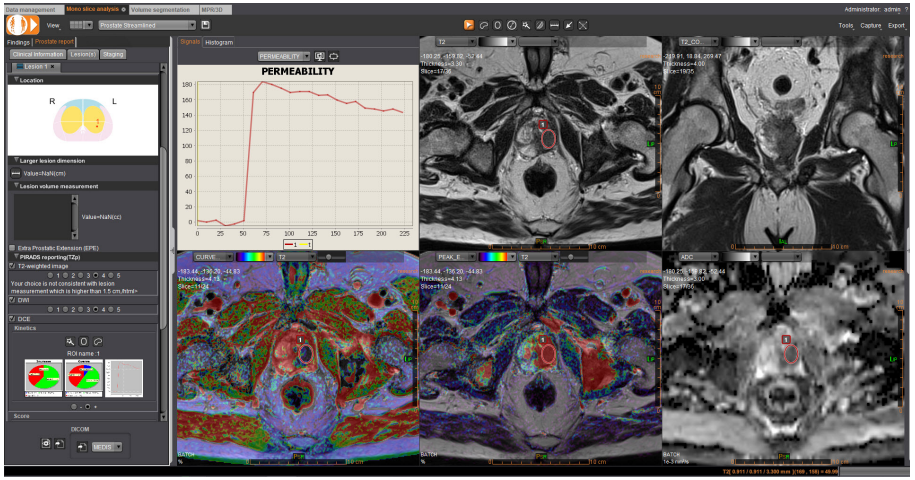
FAST AND ACCURATE MR SOLUTIONS FOR IMPROVING PRODUCTIVITY AND PATIENT CARE.

Olea Medical's comprehensive, automated and multi-vendor technologies are designed to seamlessly integrate into clinical workflows, enhance collaboration, and optimize the evaluation methodology for many pathologies with instant qualitative and quantitative parameters.

NEUROLOGY

- No-click access to quantitative and qualitative information
  - CBV corrected and permeability maps computation
  - ADC mapping
- DTI assessment: fused fiber tracts with conventional maps
- Quantitative and qualitative follow-up: temporal subtraction map (proprietary)
- ASL computing



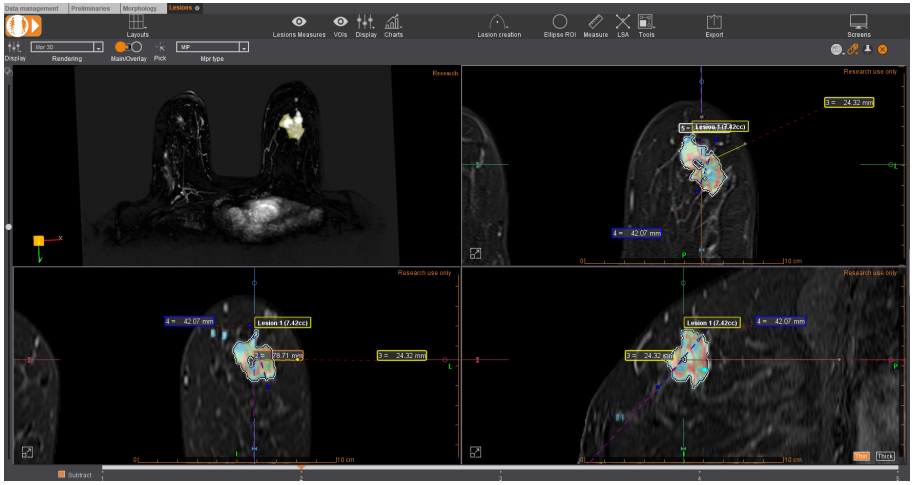


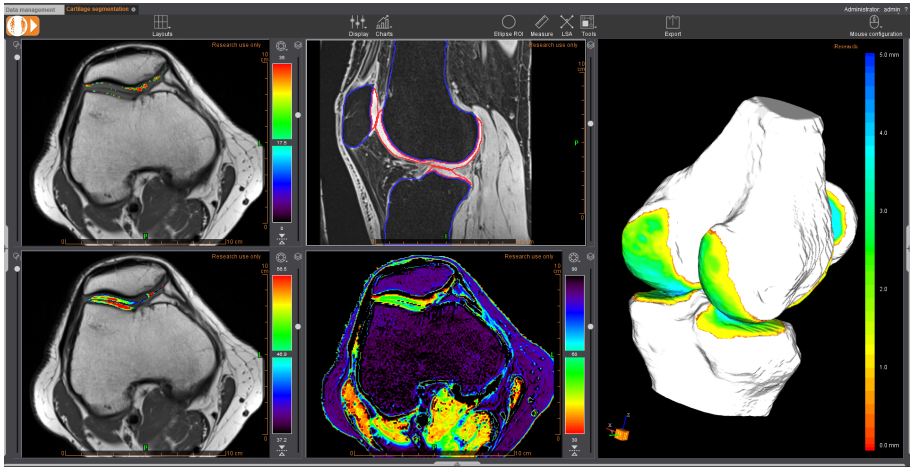
ONCOLOGY

- Intuitive multi-parametric user interface
- Standardized reports
- ADC and diffusion mapping
- Synthetic diffusion maps generation (proprietary)
- Graphical kinetics assessment

WOMEN'S HEALTH

- Didactic reporting assistant (based on BI-RADS® ATLAS report)
- Breast MR dedicated application
- Automatic metrics computation
- Graphical kinetics assessment



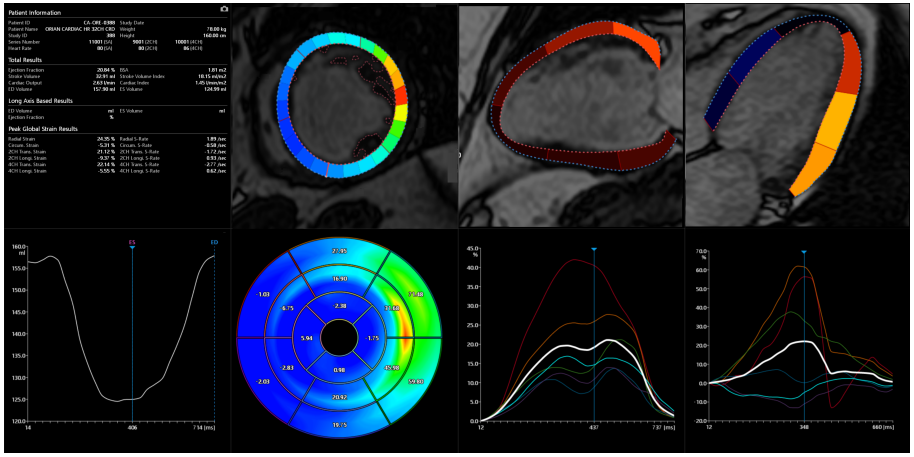


SPORT MEDICINE

- T2 mapping computation
- Volume computation
- Threshold T2 maps

CARDIOLOGY

- Phase-contrast blood flow
- T2-weighted analysis
- T2/T2* mapping, T1 mapping
- Volume measurement with automated contouring



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