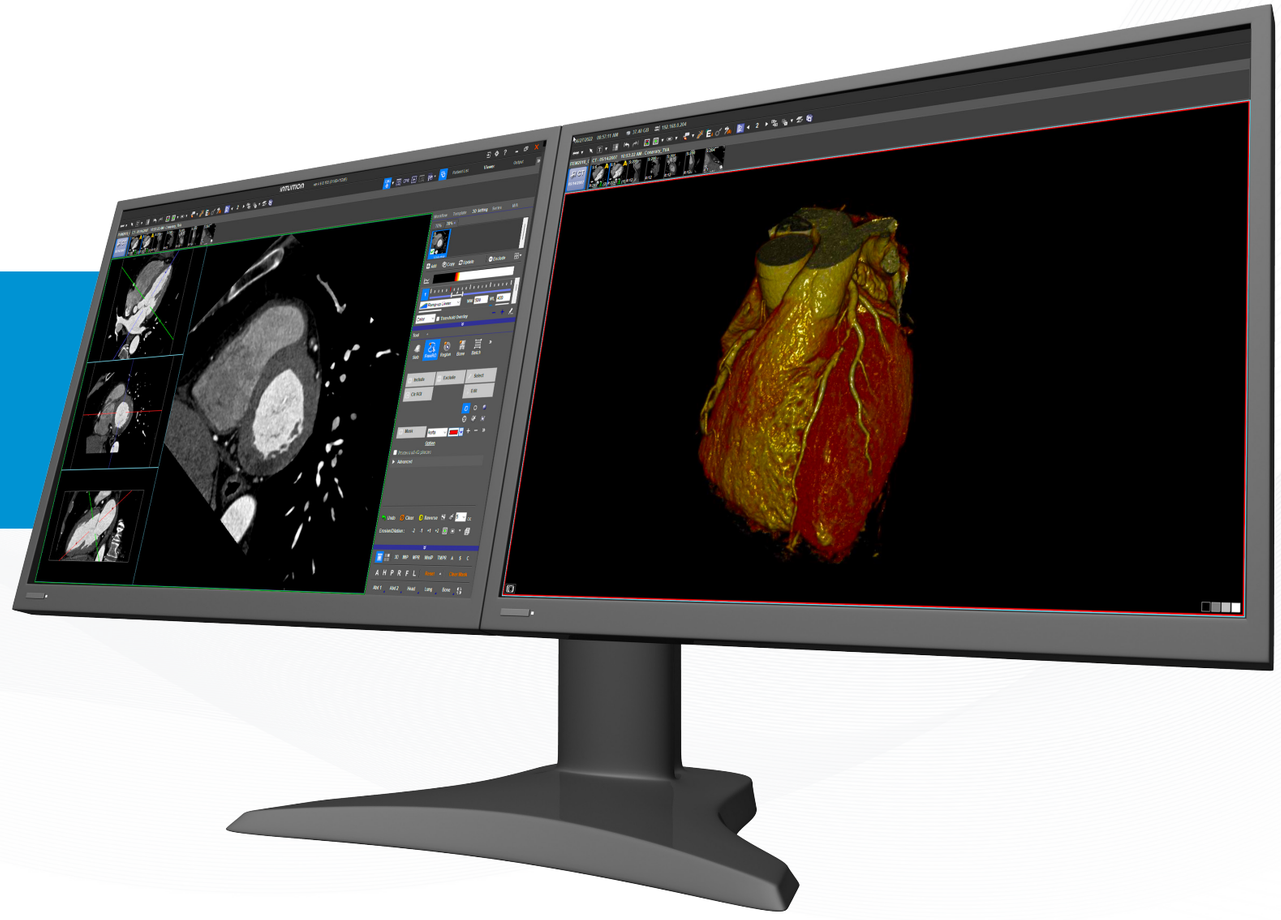
INTUITION

ADVANCED VISUALIZATION

TERARECON
A ConcertAI Company

www.terarecon.com

Turning Medical Imaging Into Great Medicine



True Vendor Neutrality for Your Enterprise Imaging Strategy

The Power of Automation

Automate complex image post-processing to deliver a better starting point for your physicians and 3D lab professionals.

Consolidate and Save

Invest in a solution that not only meets the visualization needs of more than one department, but can eliminate costly redundant solutions. Possibly even fund your new Intuition investment.

Relentless Innovation

TeraRecon continually innovates to bring to the industry the latest in advanced visualization capabilities, including dual-monitor support, brain CT perfusion maps, a glow rendering power that delivers photo-realistic rendering of 3D structures, and features that enable the adoption and creation of AI algorithms.

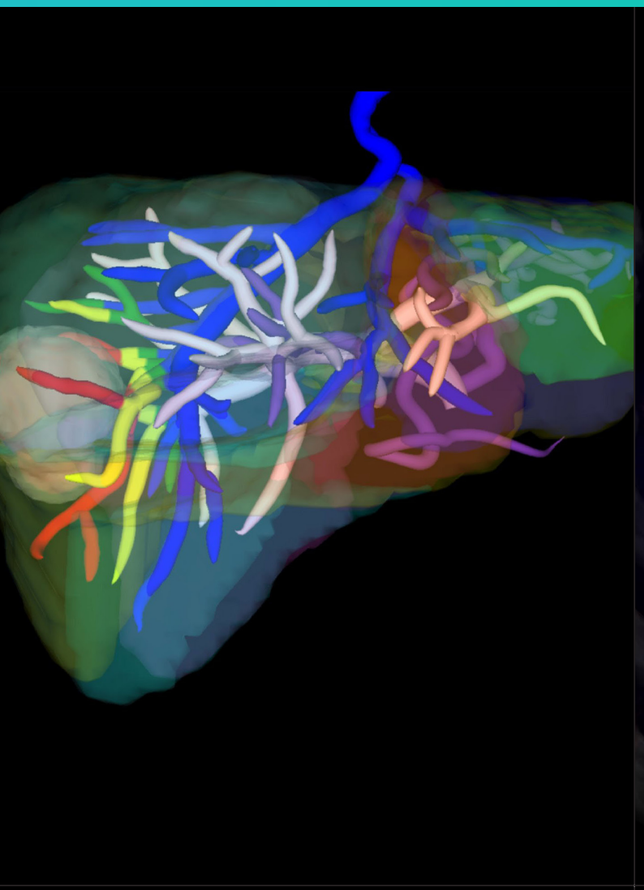
High Physician Satisfaction and Easy To Buy

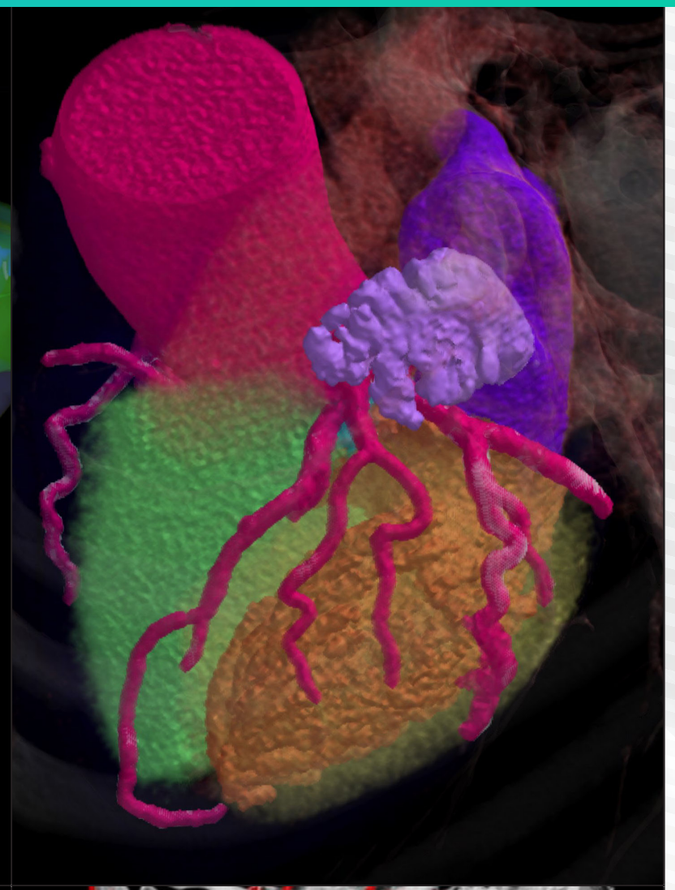
Subscription-based purchasing offers maximum budget flexibility and easy access to the most comprehensive library of best-in-KLAS clinical workflow templates.

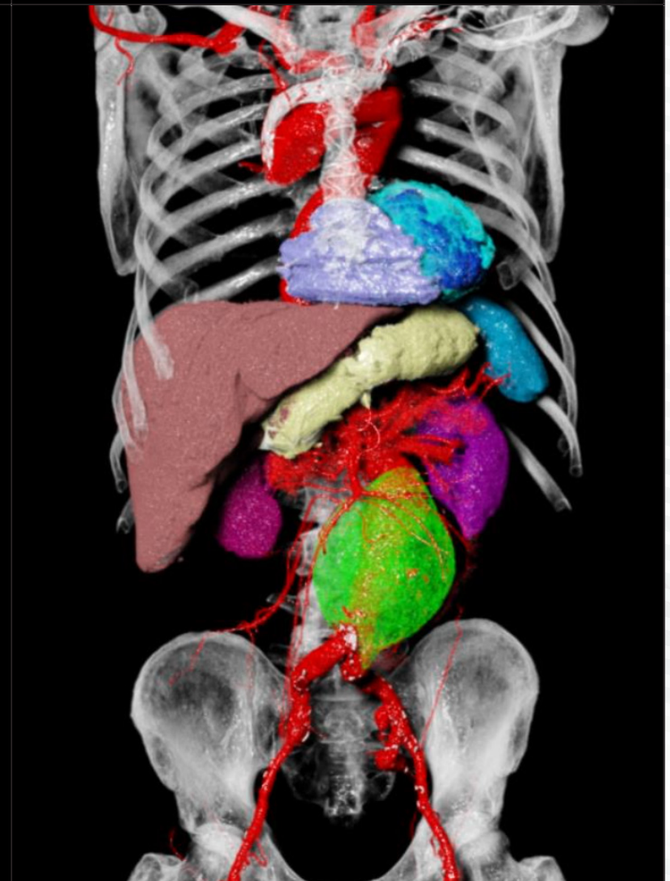
Optimal Outcomes Begin with a Better Starting Point

Intuition is the market's leading advanced visualization solution on or off your PACS, in the surgical suite, or even at the patient's bedside. With enterprise scalability and interoperability, AI-enhanced clinical workflows, and productivity-boosting collaboration tools, Intuition gives physicians the edge to deliver precise and timely diagnostic interpretations.

Intuition advanced visualization solutions offer NEW enhanced capabilities to standardize and optimize measurement workflows. For example, today's Intuition solution provides enhanced flexibility for editing your segmented contours. Additionally, your clinicians can now stay inside their 1x1 view and remain efficient and effective by performing measurements with G-tool for small windows. Applying these convenient and automated capabilities for procedure plans and complex workflows gives clinicians the freedom to focus their time on validation and care delivery.







TERARECON
A ConcertAI Company

INTUITION 4.9
ADVANCED VISUALIZATION

Key Features

Introducing the latest advancements in medical imaging with the new Intuition 4.9 update. This comprehensive upgrade brings you a suite of cutting-edge features designed to optimize your workflow, improve security, and enhance your diagnostic capabilities.

The Structural Heart Workflow now includes updated TMVR and LAA functionalities. TMVR editing features are enhanced for mitral valve detail editing and copying across phases. Improvements also cover Mitral Valve Calcium Score, 3D Landmark Tool, and axis rotation during Triangulation Tool use. Additionally, the LAA workflow offers preference settings, packaged .stl files for multiple devices, and a simplified report.

Calcium Score Enhancements ensure that each lesion will have its score, volume, and mean, and can be tracked serially to obtain an updated total. Summation has been added for each segment of all lesions in the segment of the vessel. The Measurement Tab now supports sorting in any order you want or alphabetically.

AI Support Enhancements feature containerized AI algorithms on the APS, allowing for the display of AI results within Intuition. Integration with Eureka AI enables the triggering of AI on a study to view the AI results inside of Intuition. The update also supports Dockers on APS and the ability to view GSPS results on Intuition (2D viewer).

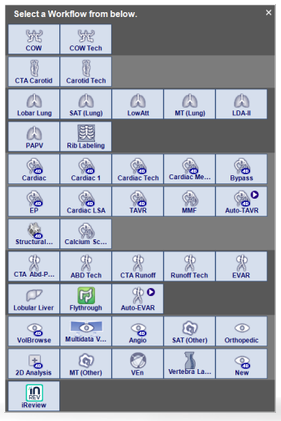
The new Mirada XD integration add-on provides efficient diagnostic reading with automatic multi-modality and multi-time point registration capabilities. Mirada XD has highly customizable, multimodality workflows that allow for multiple MR sequences to be fused with PET/CT, SPECT/CT, or diagnostic CT.

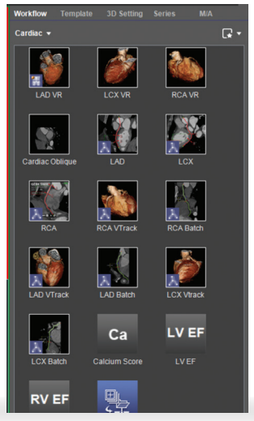
Auto TAVR and EVAR Enhancements have been introduced. 4D Beating Heart Enhancements modify the 4D Cine performance to be more comparable to AQNET Thin Client (12fps to 30fps).

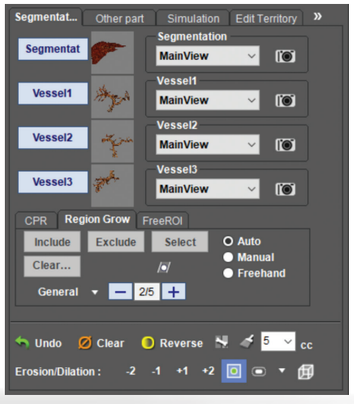
The 3D Landmark Tool update allows users to change the color of labels and landmarks, and place markers off other views. CPR enhancements include a CPR dropdown (pick list) and the ability to turn centerlines on and off, and change their colors.

STL Enhancements allow alignment to valve plane, tilt, and flip. Glow Rendering includes automated lighting settings and simplified Glow settings. Additionally, the update improves Virtual Colon Stool Removal Fixes, enhancing algorithm performance on data.

Upgrade to Intuition 4.9 today and unlock the full potential of your medical imaging workflow with these powerful features and enhancements.







Intelligent Automation at Every Step

Prioritizing the Physician Experience

The speed and ease with which studies are interpreted are determined mainly by the clinical workflow of the systems used. TeraRecon's Intuition advanced visualization is designed to orchestrate an intuitive and convenient step-by-step encounter with customizable templates to deliver structured workflows and intelligent automation at each step.

An AI-Powered Advanced Visualization Experience*

Unlock your workflow potential with the Data Adaptor, which enables AI outputs to become a seamless part of your Intuition clinical workflows. View available AI inputs from one or multiple algorithms automatically and in clinical context into a single integrated Intuition-based 3D and 2D interpretation experience.

Specialty Care Activation and Coordination

Leverage a growing library of optimized specialty clinical workflows for addressing some of the most challenging patient care scenarios. With diagnostic images as a starting point, discover previously unrealized care-path efficiencies for radiology, cardiology, neurology, vascular surgery, pulmonology, and beyond.

Create and Train Your Own Algorithms

Quickly convert Intuition post-processed data – completed in the ordinary course of interpretation – into volumetric, high-fidelity labeled data sets using Data Extractor. This data can be further optimized by leveraging Intuition as a powerful, clinical-quality data labeler for data scientists to create and train algorithms.

*Sold separately.

TERARECON
A ConcertAI Company

Why Intuition?

Mirada XD Image Fusion*

Simple solution for creating PET/MR image fusion from PET/CT and all MR study's sequences.

Ready for Structural Heart and Vascular

Structural heart and vascular program-ready, including Cardiac CT, Head & Neck CT, TAVR, TMVR, LAA, and EVAR.

Undisputed High Performance

Includes the performance and quality (VM) of CUDA GPUs, including 4-20X faster image processing vs. VolumePro.

Full Intuition Clinical Tools

TeraRecon serves the needs of image-driven physicians across your entire enterprise, including radiology, cardiology, vascular surgery, neurology, and pulmonology.

AI-Powered Physician Assist*

Through the power of a true open AI ecosystem, Eureka AI allows health systems to augment their current work with AI. Effortlessly include ready-to-run AI content in your clinical practices.

AI Development and Adoption Tools

Intuition and Eureka work together to provide an in-house AI capability that allows internally developed AI technology to be productized and operationalized in days.

Easy to Invest

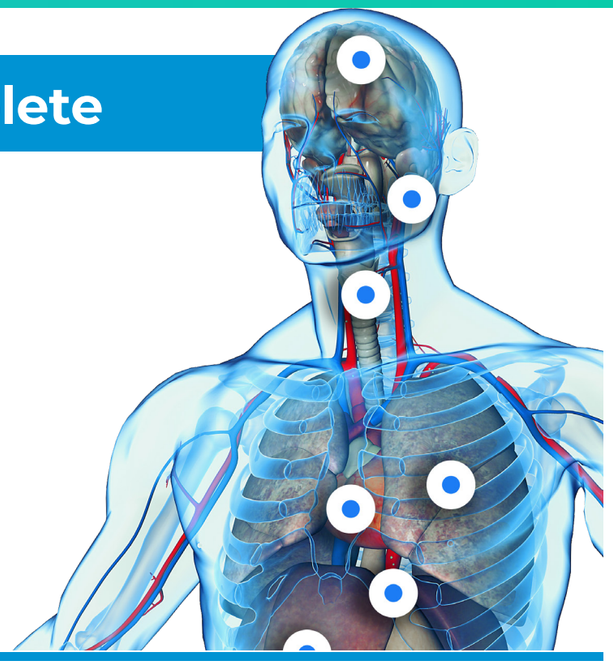
An annual subscription-based purchase for maximum budget flexibility. Eliminate annual service renewals, while taking advantage of one simple annual charge.

Trusted by nearly 1,500 health sites globally, Intuition ensures that your clinical experience is seamless and your purchasing power is maximized. It's no secret that TeraRecon introduced the first truly scalable and impressively intuitive solutions. That commitment to innovation continues to bring new clinical functionality and AI-driven specialty physician workflows, extending advanced visualization while covering a broad spectrum of clinical, data science, and workflow interoperability needs throughout your organization.

*Sold separately.

Advanced and Complete

TeraRecon serves the needs of image-driven physicians across your entire enterprise, including radiology, cardiology, vascular surgery, neurology, and pulmonology. Intuition is also capable of extending your current patient services. Intuition can support the development of a Structural Heart program in your organization with TAVR and TMVR, as well as Vascular programs such as EVAR.



General Workflows

Autobatch

- 2D batch output -- reformation of image data into alternative planes
- Create a derived series with any number of images, FOV, slab thickness, slice spacing, and rendering mode including MIP

Autoworkflow

- Automated and customizable workflow steps
- Simultaneously work on additional studies
- Tailored workflows with command functions for automated measurements and image manipulation

iGENTLE

- Noise reduction management
- Improve the effectiveness of 3D image quality
- Improve contouring, segmentation features, and centerline accuracy

Volumetric Navigation

- For 2D, 3D, and 4D viewing
- Anatomy segmentation and volume analysis
- Configurable workflow creation
- Comprehensive and robust measurement tools
- Image batching and report generation
- Comparison views for follow-up patient review

Musculoskeletal

- Rib Workflow
- Vertebral Labeling Workflow
- TT-TG and Cobb Angles
- Maxillo-Facial

Pulmonology

Chest CT

- Automated lung segmentation
- Lung volume and histogram analysis
- Sphere-like structure identification
- Comparative tracking-over-time options
- Virtual flythrough
- Rib Labeling

Lung Density Analysis II

- Lung and trachea segmentation
- Achieve faster, better-informed care
- Strengthen clinical decision making
- Increase confidence

Lung Segmentation

- Lung and trachea segmentation
- Lung and lobe volumetric analysis
- Lung, airway, and vessel anatomical fusion
- Treatment planning simulation
- Low attenuation

Neurology

CT Head & Neck

- Time density evaluation: maps include CBF, CBV, MTT, TTP
- Automatic centerline identification simplifies stenosis measurements
- Dual-source data support
- NASCET Criteria

Neuro Perfusion

- Time density evaluation: maps include CBF, CBV, MTT, TTP, Tmax, hypoperfusion, mismatch, and more
- Multi-modality image fusion and image subtraction

TERARECON
A ConcertAI Company

Cardiology

Cardiac CT

- Cardiac structure segmentation and functional analysis
- Automated centerline creation and vessel segmentation
- Calcium scoring with multiple database options
- Atrium and pulmonary vein analysis for EP planning
- Pre-operative evaluation of coronary arteries for plaque and stenosis
- Embedded geometry for pre-operative virtual stent evaluation

MR Cardiac

- Volumetric analysis of ejection fraction
- LV/RV inner and outer contour detection
- T1 Mapping, T2/T2* Mapping
- AHA17-segment-model
- MR flow analysis
- MR cardiac perfusion

TAVR Workflow

- Aortic root segmentation and orientation
- Centerline pre-processing and extractions
- User-definable planning template
- Report output
- Automatic Measurement Protocols

Mitral Valve (TMVR) Workflow

- Guided TMVR workflow
- Optimized cardiac orientations for the mitral valve
- Two-, three-, and four-chamber view as well as oblique mitral valve view
- Key measurements include trigon-to-trigon distance (TT), septal-to-lateral (SL) distance, intercommissural (IC) distance measurements
- Saddle-shape or D-shape options
- Aortomitral angle measurement
- Embedded geometry with percent or mm offset
- Automatic Neo-LVOT centerline and measurements
- Summary page displays key results and images

Left Atrial Appendage (LAA) Workflow

- Guided LAA workflow
- Optimized cardiac orientations for the LAA
- Key measurements include landing zone, wall depth, ostium, c-arm angle, and compression measurements
- Embedded device simulation with compression percentage
- Fluoroscopy view with measurements and device
- LAA report with measurements and captured images

Vascular Surgery

EVAR Workflow

- Pre-generated centerlines
- User-definable planning template
- Diameter vs. distance and cross-sectional views
- Straightened view, diameter, and length measurements
- Embedded vendor-specific report templates

Interventional Radiology

- Centerline analysis tools
- Stent-graft planning
- Curved planar reformation
- Analysis and follow-up tools
- Perspective flythrough

Body Imaging/Oncology

CT Body

- Organ volume and histogram output
- Dynamic data support
- Sphere-like structure identification
- Dynamic image filtering
- Dual-source data support
- Colon flythrough

MR Body

- 2D, 3D, 4D MR image sequencing
- MIP and MRA evaluation with centerline tools
- Analysis and follow-up tools
- Time-intensity ROI analysis
- Parametric mapping of body parts such as breast or prostate
- Kinetics, time-to-peak, time to the enhancement, and maximum slope evaluation

Body Fusion

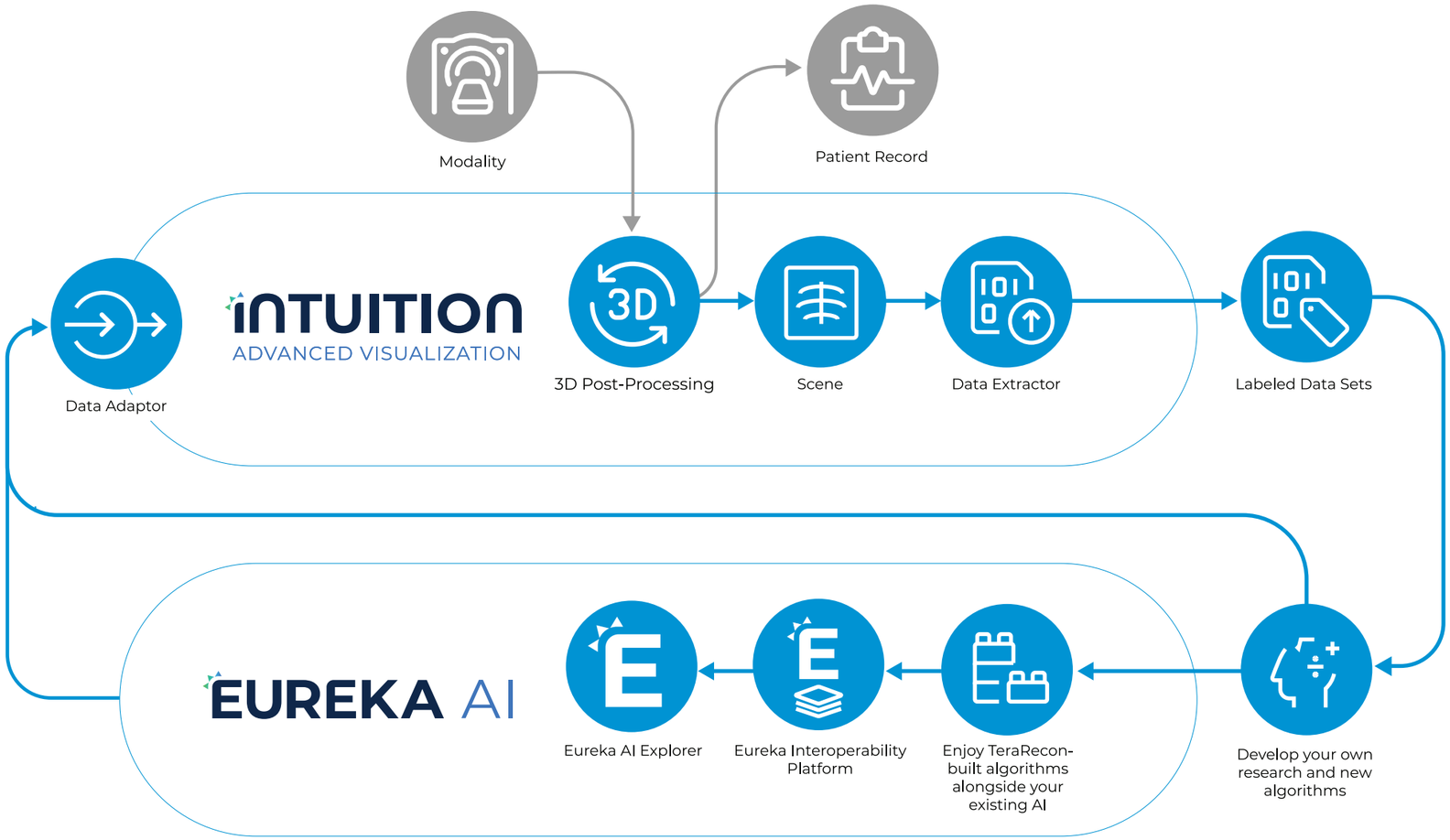
- Registration fusion
- Mirada XD CT-MR image registration for PET/CT to MR fusion
- Subtraction
- CT, MR, PET, SPECT
- Motion-correction
- Min, max, mean, standard deviation, standard uptake values (SUV)
- Findings viewer and follow-up

Liver Segmentation

- Semi-automated liver segmentation
- Vascular classification options
- Multi-cut option for pre-surgical planning
- Dynamic image filtering with configurable filtering strengths

End-to-End AI

The challenge for organizations today is not how to purchase AI technology, but how to help physicians trust in the findings and accept AI into their everyday workflows. TeraRecon has committed itself to delivering AI-enhanced insights directly and interactively into the systems clinicians use every day while consistently accounting for the physician's belief system. The result? A first-of-its-kind AI platform that enables a developer ecosystem, end-to-end interoperability at the point of care, and an interactive user experience that will lay the foundation for building physician trust.



Eureka AI is a unique and patent-protected platform, combining a clinically enriched vendor-agnostic AI platform with the Eureka AI Results Explorer for an interactive and physician-controlled user experience. And now, with access to Data Adaptor and Data Extractor, the development and adoption of clinical AI have never been easier.

TERARECON
A ConcertAI Company

How to Buy

Our complete multi-specialty body packages make it easy to select the clinical functionality you need. And now with AI-readiness built right in, more capabilities mean more value to your clinicians and patients.

	Titanium Essentials	Titanium
Auto Measurement	●	●
Volumetric Navigation	●	●
CT Cardiac	●	●
EVAR Workflow	●	●
TAVR Workflow	●	●
Body Fusion	●	●
2D Analysis[1]	●	●
CT Head & Neck	●	●
CT Chest	●	●
CT Body	●	●
Interventional Radiology	●	●
MR Body	●	●
Maxillo-Facial	●	●
Updated Calcium Scoring	●	●
Trigger AI	●	●
Flythrough	●	●
Glow Rendering	●	●
Mirada XD Add-On[3]	●	●
Neuro Perfusion Workflow[2]		●
MR Cardiac		●
Lung Segmentation		●
Liver Segmentation		●
Autobatch		●
iGENTLE		●
Mitral Valve (TMVR) Workflow†		●
LAA Workflow		●
Rib Labeling		●
Data Extractor[3]		●
Data Adaptor		●

1. Now includes GSPS support

2. Neuro Perfusion Workflow maps available once the license has been added; license add-on

3. Sold separately

† All offerings are subject to availability and regulatory clearance, which may vary by country. Please verify product status with your local TeraRecon representative.

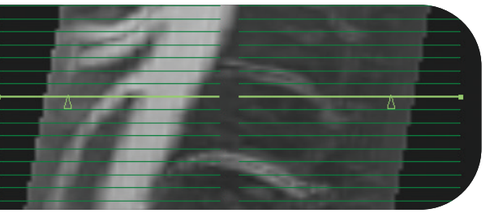
Deep Dive into Our Packages

2D Analysis

- 2D workflow, tools, and measurements
- Available within the 2D workflow or when evaluating 2D images anywhere in Intuition

Experience the practicality and precision of TeraRecon's 2D Analysis solution, designed to integrate seamlessly within the Intuition platform. The 2D Analysis solution offers an array of tools and measurements, specifically tailored for evaluating 2D images within the dedicated 2D workflow or while analyzing 2D images anywhere in Intuition.

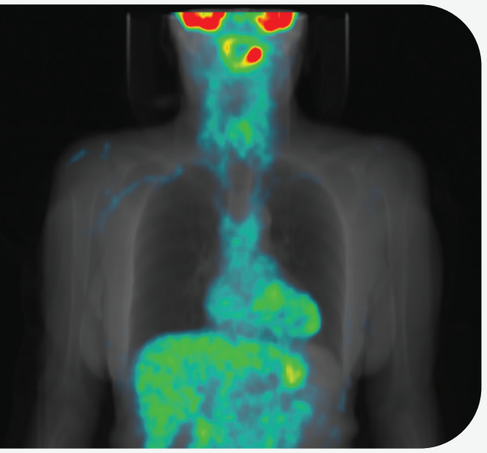
This efficient and reliable solution simplifies the diagnostic process, enhancing workflow and providing accurate results for greater diagnostic confidence. With its intuitive design, the 2D Analysis solution ensures streamlined integration with the Intuition platform, making it an essential tool for medical professionals seeking improved performance and productivity.



Autobatch

- 2D batch output — reformation of image data into alternative planes
- Create a derived series with any number of images, FOV, slab thickness, slice spacing, and rendering mode including MIP

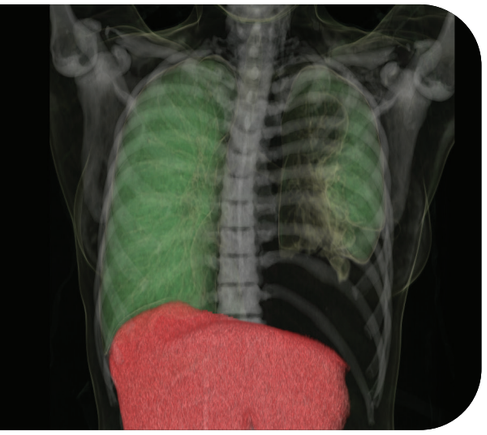
Autobatch utilizes Aquarius APS to provide users with an advanced pre-processing engine that is designed to give a 2D batch output — enabling the reformation of image data into alternative planes or the creation of movies. The system can be configured to create a derived series with any number of images, along with adjustable field of view, slab thickness, slice spacing, and rendering modes, including MIP. Processed images will be appended as additional series to the original studies.



Body Fusion

- Registration fusion
- Subtraction
- CT, MR, PET, SPECT
- Motion-correction
- Min, max, mean, standard deviation, standard uptake values (SUV)
- Findings viewer and follow-up
- Mirada XD CT-MR image registration for PET/CT to MR fusion

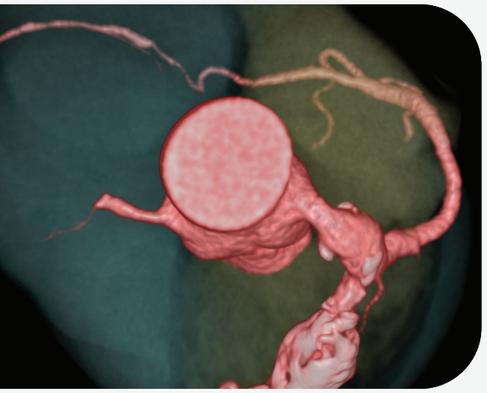
Body Fusion supports volume registration and fusion, aligning and comparing 2D and 3D images from CT, MR, PET, or SPECT data sets for anatomical reference and quantitative study. It offers automatic registration and motion correction, and generates subtractions to a third series. Validated findings can be stored for comparing multiple time points. Users can describe regions of interest (planar or volumetric) to obtain statistical quantities like min, max, mean, standard deviation, and SUV counts readout for PET data. Manual registration tools are also available for registering different image sets together, and findings workflow stores captured values for side-by-side comparison. The new Mirada XD Add-On provides capabilities of an automatic image fusion solution that can be performed for rigid and deformable options. It can also provide image fusion between time points, and can be used for fusing multiple studies from different modalities, including PET/CT, SPECT/CT, MR, and CT.



CT Body

- Registration fusion
- Subtraction
- CT, MR, PET, SPECT
- Motion-correction
- Min, max, mean, standard deviation, standard uptake values (SUV)
- Findings viewer and follow-up

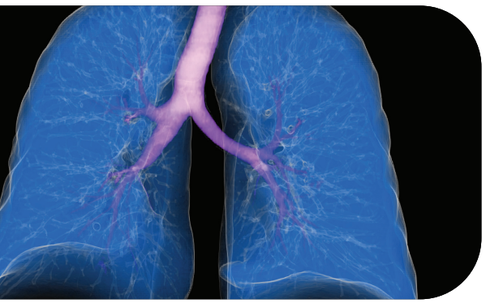
CT Body allows radiologists to perform a comprehensive review and analysis of organs in the abdomen and pelvis region. Additionally, this package enables radiologists to calculate the volume of organs or regions of interest with histogram output, and utilize exportable measurement values for follow-up comparison. The CT Body Package also provides the ability to analyze dynamic data to support the assessment of time-dependent behavior of the image intensity or density of anatomy. Validated findings can be stored for the comparison of multiple time points. Full function colon flythrough includes automatic multi-volume side-by-side loading and viewing, fly-path creation and editing, and AquariusAPS sphere finder for sphere-like structure identification. Dynamic image filtering with configurable filtering strengths can be engaged to improve image quality from low-dose scanning techniques. Data from dual-source scans (i.e. Dual Energy) are also supported to provide dynamic blending, improving signal-to-noise ratios and subtracting high-density structures such as bone and metal.



CT Cardiac

- Cardiac structure segmentation and functional analysis
- Automated centerline creation and vessel segmentation
- Calcium scoring with multiple database options
- Atrium and pulmonary vein analysis for EP planning
- Pre-operative evaluation of coronary arteries for plaque and stenosis
- Embedded geometry for pre-operative virtual stent evaluation

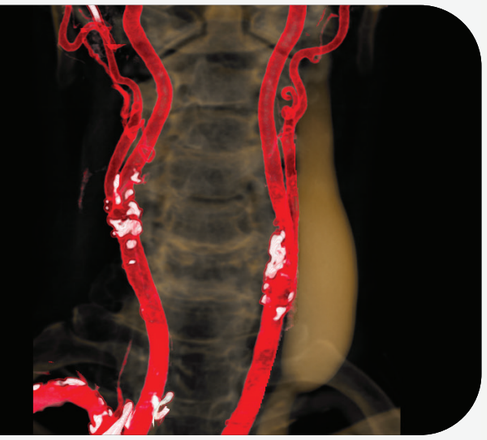
CT Cardiac provides a simplified approach to complex cardiac analysis and quantification, enabling a radiologist or cardiologist to analyze coronary vessels with zero-click centerline creation and extraction. Vascular evaluation tools include plaque and soft plaque, stenosis, curvature, tortuosity, and more. The Calcium Scoring measurement of Agatson score, volume, mean mass (mg) is also supported. In addition, the polar map from LV and RV ejection fraction can be merged with coronary marks for territory mapping of affected AHA 17 segments for heart function evaluation.



CT Chest

- Automated lung segmentation
- Lung volume and histogram analysis
- Sphere-like structure identification
- Comparative tracking-over-time options
- Virtual flythrough
- Rib Labeling

CT Chest provides pre-generated lung segmentation for lung volume measurements with volume histogram output. When image noise is a concern, dynamic image filtering with configurable filtering strengths can be engaged to improve reading efficiency. The AquariusAPS sphericity index is designed to help physicians identify and manage sphere-like structures. Validated findings can be stored for the comparison of multiple time points. Virtual flythrough guides you to visualize the airway tree to evaluate patients with a variety of airway pathologies.



CT Head and Neck

- Automatic centerline identification simplifies stenosis measurements
- Dual source data support
- Time density evaluation: maps include CBF, CBV, MTT, TTP, Tmax, hypoperfusion, mismatch, and more
- Multi-modality image fusion and image subtraction

CT Head and Neck Package tools facilitate bone and vessel removal with advanced editing to support vasculature analysis including stenosis ratio, area, diameter, Min, Max, Mean, or perimeter cross-section display. In addition, radiologists can calculate the volume of organs or regions of interest with histogram output and utilize exportable measurement values for follow-up comparison. It also provides the ability to analyze dynamic data to support the assessment of time-dependent behavior of the image intensity or density of the brain, including CBF, CBV, MTT, TTP, Tmax, hypoperfusion, mismatch, and more. Data from dual-source scans are also supported to provide dynamic blending, improve signal-to-noise ratios, and subtract high-density structures such as bone and metal. Image fusion for cross-planar image synchronization with customizable, vendor-specific map type color scales is also supported.

Data Adaptor

- Allows ingestion of AI inputs from multiple algorithms
- Delivers advanced starting point for clinical users
- Seamlessly integrates with Intuition workflow
- Compatible with premium first-, second-, or third-party AI algorithms

Intuition AI Adaptor enables the clinical users to experience the best of premium first-, second-, or third-party AI algorithms directly within the Intuition workflow. Included in the Intuition Titanium suite, AI Adaptor drives communication between your existing Intuition system and the Eureka AI platform to ingest available AI inputs from one or multiple algorithms to deliver an advanced starting point with near zero-click user experience.

Data Extractor

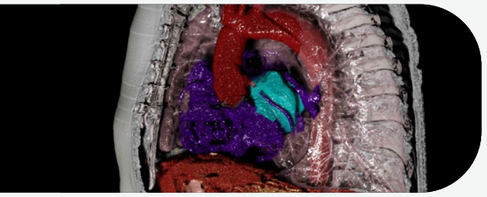
- Unlocks segmentation data potential
- DicomSeg and RtStruct extraction efficiency
- Data transformation for enhanced compatibility
- Expanded data usability across platforms
- Streamlines system integration
- Facilitates interoperability

Data Extractor is a useful function designed to unlock the potential of your segmentation data. It efficiently extracts DicomSeg and RtStruct data from Intuition, transforming it into a format that can be readily utilized by other systems. This process not only expands the usability of your data, but also ensures seamless integration with various platforms. With Data Extractor, interoperability is at your fingertips, making the transition of valuable segmentation information effortless and efficient.

EVAR Workflow

- Pre-generated centerlines
- User-definable planning template
- Diameter vs. distance and cross-sectional views
- Straightened view, diameter, and length measurements
- Embedded vendor-specific report templates

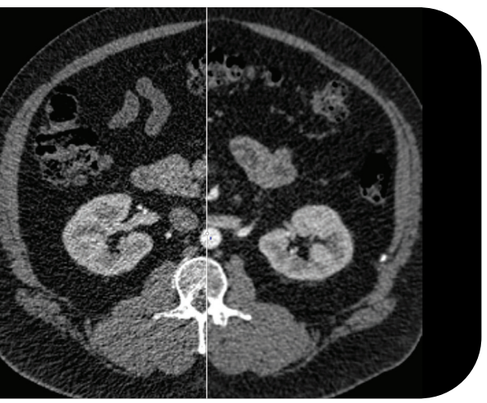
EVAR provides features including an advanced measurement protocol option, a user-definable planning template with report output and embedded instructions. Other features include AquariusAPS pre-processed centerline extraction, straightened view, diameter, length measurements, and CPR and axial renderings. In addition, it allows for display of the diameter, distance, perimeter, cross-sectional views of vessels, and exportation of tabulated measurements. By following guided instructions, the user can complete stent-graft planning and generate reports for vendor-specific templates.



Glow Rendering

- Photo-realistic 3D visualization
- High-quality structure rendering

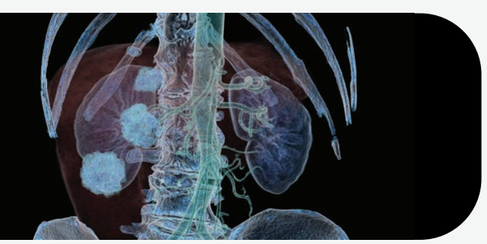
Elevate your 3D visualization capabilities with TeraRecon's Glow Rendering solution, designed to deliver photo-realistic renderings of intricate 3D structures. Our advanced rendering technology transforms complex medical data into stunning, high-quality visualizations, allowing medical professionals to better understand and interpret anatomical details.



iGENTLE

- Noise reduction management
- Improve the effectiveness of 3D image quality
- Improve contouring, segmentation features, and centerline accuracy.

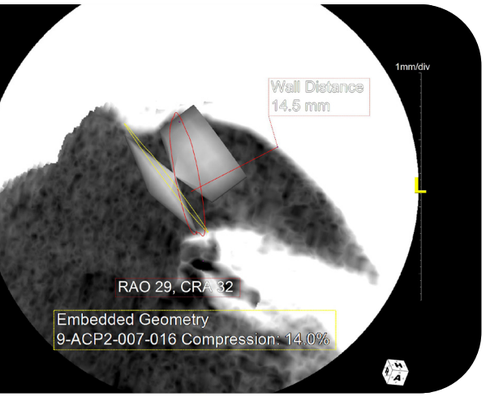
iGentle provides advanced enhancement and noise reduction management with low-dose CT exam images rendered using the APS server. TeraRecon created the iGENTLE package to reduce the effects of image noise on 3D rendering and manipulation tools supported by the software. Such images are used internally by the software to improve the performance of the tools used by radiologists. They are not offered as any kind of substitute for the original image, however an optional iGENTLE-filtered series can be created for viewing in addition to the original data. iGENTLE applies image-filtering algorithms that help reduce image noise and improve the 3D image quality, centerline accuracy, contouring, and segmentation features used within the system. As a result, these tools assist users in achieving their image processing objectives, even when the quality of the source image is sub-optimal.



Interventional Radiology

- Centerline analysis tools
- Stent-graft planning
- Curved planar reformation
- Analysis and follow-up tools
- Perspective flythrough

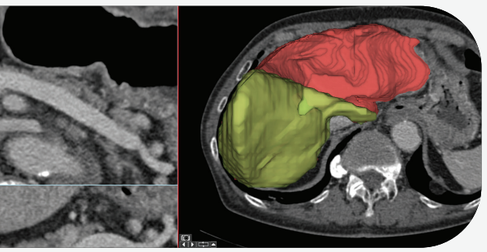
Interventional Radiology provides an extensive range of patented Intuition clinical and workflow tools for interventional radiologists to perform comprehensive patient analysis — including vessel stenosis calculations, aneurysm evaluation, and planning capabilities. Zero-click pre-processed vessel centerlines maximize user productivity. Key features include Curved Planar Reformation (CPR), Straight MPR views (sMPR), Medial Axis Reformation (MAR), and perspective flythrough for endoluminal evaluation.



Left Atrial Appendage (LAA) Workflow*

- Guided LAA workflow
- Optimized cardiac orientations for the LAA
- Key measurements include landing zone, wall depth, ostium, c-arm angle, and compression measurements
- Embedded device simulation with compression percentage
- Fluoroscopy view with measurements and device
- LAA report with measurements and captured images

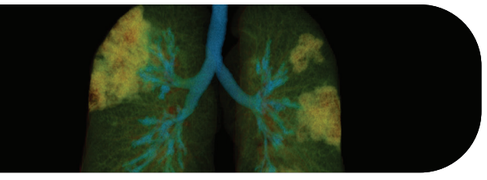
The Left Atrial Appendage (LAA) Workflow Solution by TeraRecon revolutionizes cardiac treatment by seamlessly streamlining the entire LAA procedure. Our user-friendly, guided LAA workflow ensures a smooth and efficient process for optimal patient outcomes. Utilizing cutting-edge technology, the system generates optimized cardiac orientations for the LAA, guaranteeing accurate visualization and assessment. Comprehensive key measurements, including landing zone, wall depth, ostium, c-arm angle, and compression measurements, are provided to enhance procedural success. Embedded device simulation with compression percentage offers invaluable insights for informed decision-making. The fluoroscopy view with measurements and device enables real-time adjustments and monitoring, while the LAA report with measurements and captured images serves as a valuable resource for post-procedure analysis and documentation.



Liver Segmentation

- Semi-automated liver segmentation
- Vascular classification options
- Multi-cut option for pre-surgical planning
- Dynamic image filtering with
- Configurable filtering strengths

Liver Segmentation provides an extensive range of patented Intuition clinical and workflow tools for specialists using CT scanning for organ analysis and quantification. This package offers semi-automated liver segmentation, lesion definition with volume measurement, classification of the vasculature, and vascular centerline distance measurements for invasive treatments. The user-friendly workflow guides the user through fine-tuning segmentation both semi-automatically and manually. Display of lesion-to-vascular relationship and lobular segmentation with a multi-cut option for pre-surgical planning is also supported.



Lung Density Analysis II

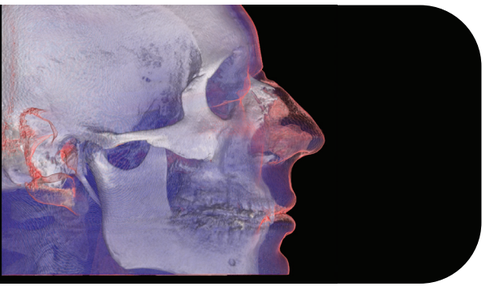
- Lung and trachea segmentation
- Achieve faster and better-informed care
- Strengthen clinical decision making
- Increase confidence

Intuition's Lung Density Analysis II workflow delivers enhanced segmentation data science and automated measurement capabilities within a guided workflow for the disease progression assessment and quantification of lung-related illness.

Lung Segmentation

- Lung and trachea segmentation
- Lung and lobe volumetric analysis
- Lung, airway, and vessel anatomical fusion
- Treatment planning simulation
- Low attenuation

Lung Segmentation provides an extensive range of clinical and workflow tools for thoracic and pulmonary specialists to quantify lung volumes. This package includes lobar segmentation with volume calculations, AquariusAPS sphericity index to automate lung and trachea segmentation, and low attenuation segmentation with user-configurable range values. TeraRecon's Intuition Solution Clinical Packages include Intuition and AquariusAPS. In addition, the included findings feature can provide a side-by-side comparison of multiple time points, doubling time display.

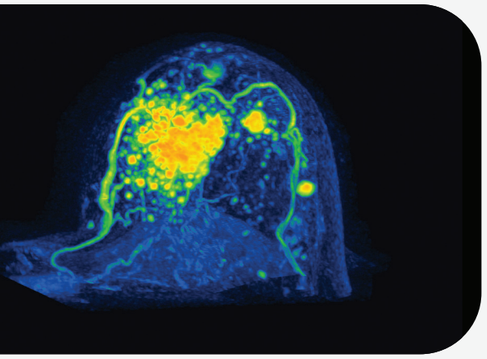


Maxillo-Facial

- Panoramic projection
- Cross-sectional multi-planar reconstruction
- Definable mandibular groove path

Maxillo-Facial provides an extensive range of patented clinical and workflow tools to display and manipulate dental images to support the analysis and visualization of volumetric CT datasets of the Maxillo-facial region. The Maxillo-Facial Package applies the curved planar reformation (CPR) result to generate "panoramic" projections in various planes and thicknesses. Cross-sectional multi-planar reconstruction (MPR) may also be generated at set increments along the defined curve plane and used to obtain key measurements to aid dental implant and surgical planning. In addition, the mandibular groove path can be displayed as an overlay to improve visualization of critical anatomy.

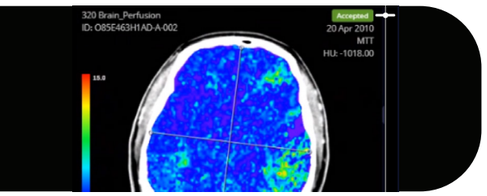
* Available in the structural heart workflow.



MR Body

- 2D, 3D, 4D MR image sequencing
- MIP and MRA evaluation with centerline tools
- Analysis and follow-up tools
- Time-intensity ROI analysis
- Parametric mapping of body parts such as breast or prostate
- Kinetics, time-to-peak, time to the enhancement, and maximum slope evaluation

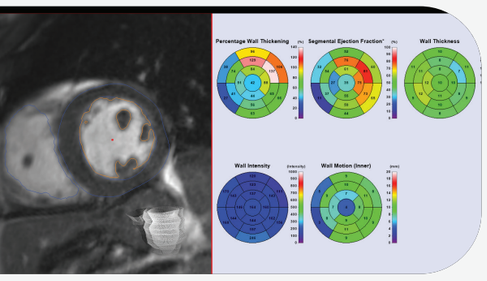
MR Body provides an extensive range of clinical and workflow tools for radiologists, internists, and organ specialists who utilize 2D, 3D, and 4D MR image sequences. This package allows for a comprehensive-yet-streamlined patient analysis of anatomy and function including evaluating MRA vessel analysis with a familiar centerline and editing tool. It also provides the ability to analyze dynamic data to support the time-dependent behavior of the image intensity or density of anatomy. Radiologists can measure organ volume or regions of interest with intensity value output and utilize exportable measurement values for follow-up comparison. To support uptake curves, multiphase analysis, and tROI (time-intensity region of interest) measurement, graphical and parametric mapping displays are also provided.



Neuro Perfusion Maps

- Updated workflow integration
- Enhanced Neuro maps
- TMax, Hypoperfusion, and Mismatch results

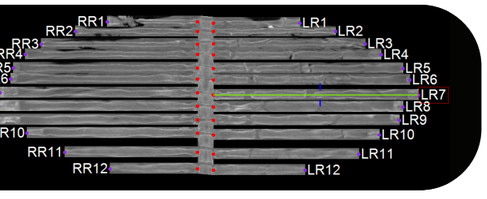
Discover the latest advancements in neuro-imaging with TeraRecon's Neuro Perfusion Maps. This innovative solution offers an updated workflow and enhanced neuro maps for improved diagnostic accuracy and efficiency. Featuring advanced parameters such as TMax, Hypoperfusion, and Mismatch results, our Neuro Perfusion Maps deliver valuable insights into cerebral blood flow dynamics.



MR Cardiac

- Volumetric analysis of ejection fraction
- LV/RV inner and outer contour detection
- T1 Mapping, T2/T2* Mapping†
- AHA17-segment-model
- MR flow analysis
- MR cardiac perfusion

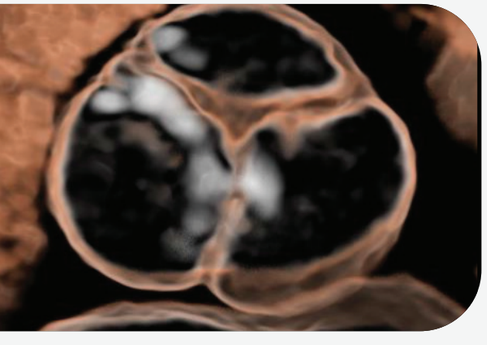
The Intuition Cardiac MR package evaluates the anatomy and physiology of the heart chamber and valves, the size and flow of blood through vessels, and the surrounding structures. It is used to determine whether a patient suffers from cardiovascular diseases such as limited cardiac or valvular-related functional outputs.



Rib Labeling

- Rib Labeling
- Centerline generation
- Fishbone image display
- Efficient fracture detection and evaluation

Streamline rib fracture detection and evaluation with TeraRecon's Rib Labeling solution. Our advanced technology generates centerlines for each rib and presents them in an intuitive fishbone image display, allowing medical professionals to quickly and easily identify fractures and assess rib integrity.



TAVR Workflow

- Aortic root segmentation and orientation
- Centerline pre-processing and extractions
- User-definable planning template
- Report output
- Automatic Measurement Protocols

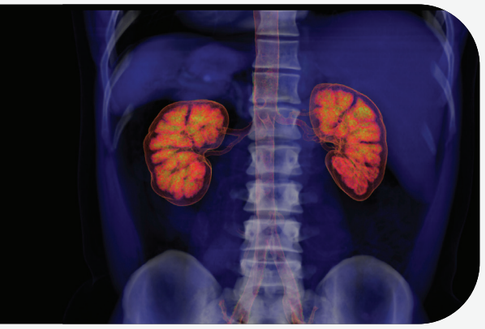
The Intuition guided workflow for TAVR aids clinicians in evaluating the aortic annulus and peripheral vascular system. Utilizing AquariusAPS pre-processing power, the aorta and vessels are labeled and segmented for optimal efficiency. Measurement protocols guide the customer through required measurement steps through the multi-series process providing all the right measurement tools (vessel diameters, perimeter, area, distance, c-arm angles, curvature, tortuosity, and more) at the right time. Key results and images are outputted to the defined DICOM destination.

* Available in the structural heart workflow.

TMVR (Mitral Valve) Workflow*

- Guided TMVR workflow
- Optimized cardiac orientations for the mitral valve
- Two-, three-, and four-chamber views, as well as oblique mitral valve view
- Key measurements include trigon-to-trigon (TT), septal-to-lateral (SL), and intercommissural (IC) distance measurements
- Saddle-shape or D-shape options
- Aortomitral angle measurement
- Embedded geometry with percent or mm offset
- Automatic Neo-LVOT centerline and measurements
- Summary page displays key results and images

TMVR provides tools for evaluation of the mitral valve and to provide measurements to aid the trained clinical user for TMVR treatment planning. The workflow includes optimized layouts and image reconstructions that are helpful in annulus evaluation. This includes optimal projections (two-, three-, and four-chamber views), templates, as well as concise and user-directed steps and measurements. These measurements and steps all culminate in the treatment planning for repair or replacement of the native valve utilizing embedded geometry that matches approved and cleared devices.



Volumetric Navigation

- For 2D, 3D, and 4D viewing
- Anatomy segmentation and volume analysis
- Configurable workflow creation
- Comprehensive and robust measurement tools
- Image batching and report generation
- Comparison views for follow-up patient review

Volumetric Navigation provides all of the most fundamental image processing tools in a single workflow. 2D, 3D, and 4D image display with MIP, MinIP, MPR, Thick MPR, and 3D rendering with flexible and comprehensive arrangements of tools, processors, templates, batch options, and more. All results and key images may be sent to reports and exported to the preferred DICOM destination.

"80% of the case is done before we go into the operating room and that's because we have the ability of Intuition to plan ahead."

DR. JAMES F. MCKINSEY, M.D.

MT. SINAI HOSPITAL | NEW YORK - NEW YORK

"The most important thing that sets TeraRecon apart is the ease of use. It all comes down to the interface. Many of the software solutions for 3D post processing have comparable engines working beneath the surface for segmentation for ray-casting, but it is really the interface that makes or breaks any particular client."

DR. MICHAEL WINKLER

ASSOCIATE PROFESSOR OF RADIOLOGY AND CARDIOLOGY AT THE UNIVERSITY OF KENTUCKY

Leveraging the Power of Eureka AI

Through the power of a true open AI ecosystem, Eureka AI allows health systems to augment their current work with AI. Effortlessly turn on, try and incorporate the widest range of impressive ready-to-run AI content into your clinical practices. For academic medial centers, Intuition and Eureka work together to provide an in-house AI capability that allows internally-developed AI technology to be productized and operationalized in days.

As your partner on this AI journey, TeraRecon is already working to build upon its impressive, patented AI technology to increase the value of your institution's Real World Data. Our platforms connect images and information to prepare real-time clinical insights in ways never before possible.

US 650.372.1100 | EU +49 (0) 69.9510.352.0 | info@terarecon.com | www.terarecon.com

All offerings are subject to availability and regulatory clearance, which may vary by country. Please verify product statues with your local TeraRecon representative.

Eureka Clinical AI, as mentioned above, references TeraRecon's separate medical devices (Eureka AI Results Explorer and Eureka AI Interoperability Platform) working together as a system. The above mentioned medical devices are cleared for distribution in the United States