INFINITT

Advanced Visualization

INFINITT has partnered with **TeraRecon** to provide an advanced integration between INFINITT's enterprise imaging solutions and TeraRecon's vast library of advanced visualization packages. This integration means that physicians can access the Intuition™ packages described below seamlessly from within the INFINITT viewer and save their work with a single sign-on and no disruption in reading workflow.

Visualization Packages:

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 Chest
- Automated lung segmentation
- Lung volume and histogram analysis
- Sphere-like structure identification
- Comparative tracking options
- Virtual flythrough

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

CT Head & Neck
- Comprehensive vascular assessment tools
- 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

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

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 enhancement and maximum slope evaluation

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

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

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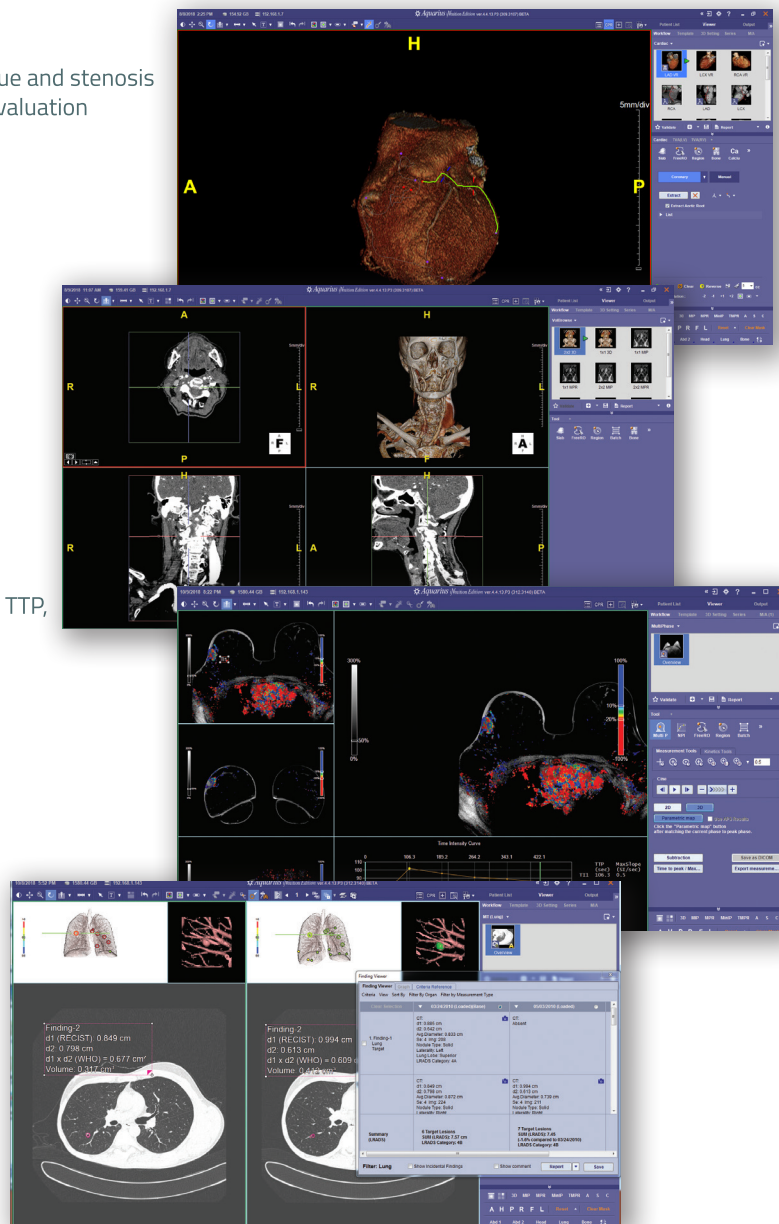
Advanced Visualization Packages Con't.:

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

EVAR (Vessel Analysis) Planning
- 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

TAVR (Aortic Valve Replacement) Planning
- Aortic root segmentation and orientation
- Centerline pre-processing and extractions
- User-definable planning template
- Report output
- Automatic Measurement Protocols

Maxillofacial
- Panoramic projection
- Cross-sectional Multi-planar Reconstruction (MPR)
- Displays Mandibular Groove Path overlay

iGentle (filtering & enhancement for low-dose CT images)
- Noise reduction management
- Improve effectiveness of 3D image quality
- Improve contouring, segmentation features, and centerline accuracy.

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

Volumetric Navigation
- 2D, 3D and 4D viewing
- Configurable workflow templates
- Basic measurement toolsets
- Image batching and report generation

Autobatch
- Image data pre-processing
- 2D batch output - reformation of image data into alternative planes
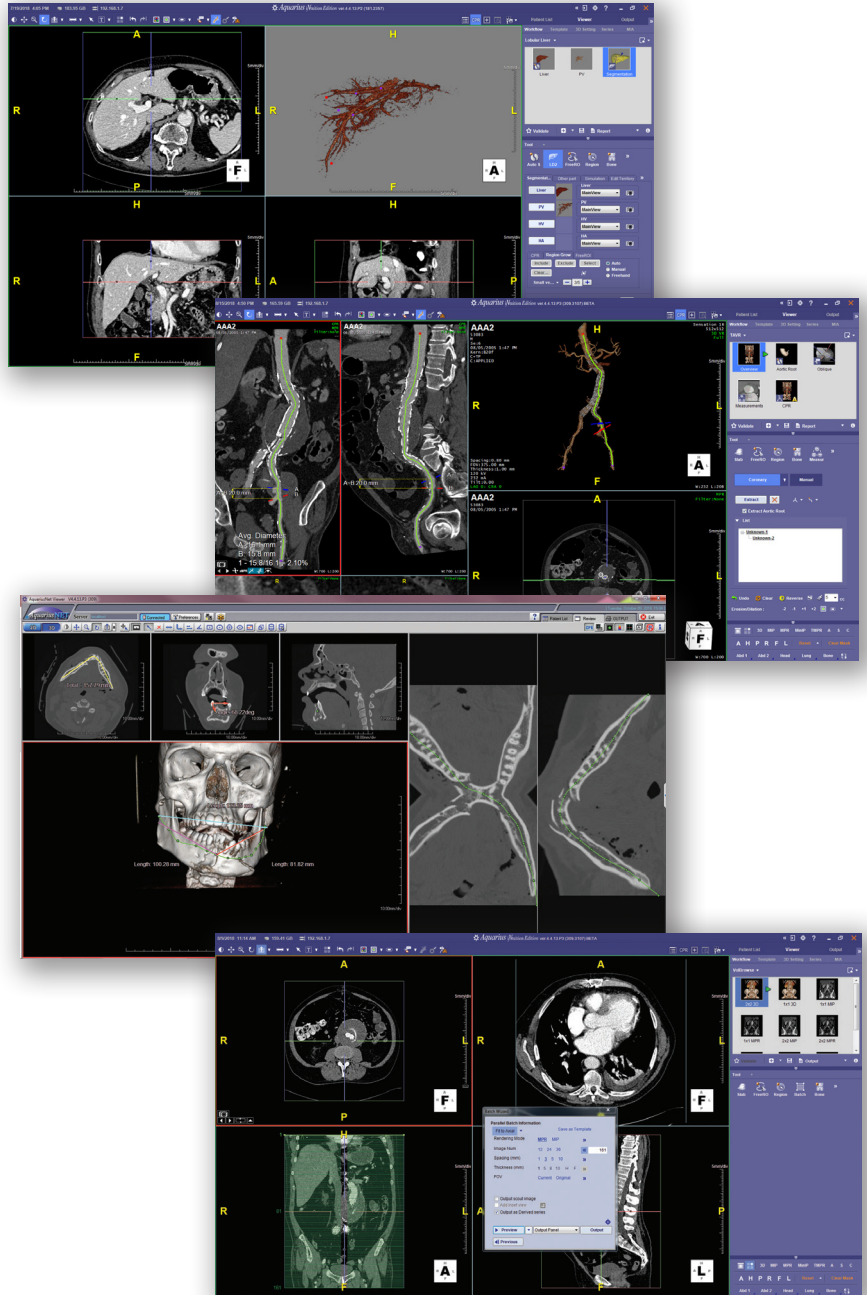
Eureka Clinical AI Platform (Artificial Intelligence)

INFINITT will also be able to provide the Eureka Clinical AI Platform (artificial intelligence), a multi-faceted AI platform that enables broad-based access to a vast selection of medical imaging algorithms. This technology is designed to allow hospitals to customize their own AI portfolio, to support the diagnostic process and improve clinical outcomes. In addition, AI will boost productivity by providing workflow tools for efficiency gains and contextually relevant patient information alongside an imaging study.

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