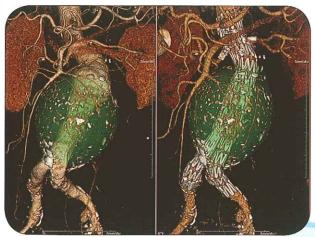


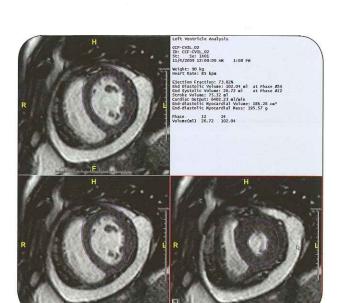
Sophistication and power in the datacenter. Simplicity and elegance at your fingertips.



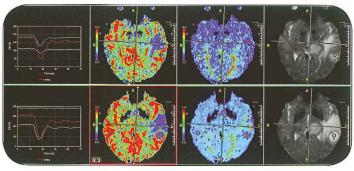




VASCULAR & INTERVENTIONAL



CARDIAC



NEUROIMAGING

Inding Viewer	65/05/2019	87(75/7010	69/01/2010	10/21/2010	
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1. Lymph 1 (Target)	Distance: 27.4 mm (W	Distance: 31.9 mm 1-57%) (@) Slice #1.28	Distance: 10.0 mm (-60%) (8)	01strator:25,8 mm (-5,8%) [0]F	
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3. Leulowi (Verget)	Distance: 13.6 mm (@)	Dictance: 12.0 mm (0.0%) [@'	Dietenen 12.3 mm (0.6%) [#	Sittance 11.6 mm (-1.6%) [16]	
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1.tyoph) (Terged	Distance: \$4.7 mm Silce 4:59	Distance: 28.0 mm (-43.%) (@ 58cc 4: 31	Sites #: 41	Site #: 35	
f-Index!					
(Target)	Distance: 12.2 mm (186)	Shirate 4.45 mm (-15.4) (-16.	Distance: \$.23 mm (-32%) (#F	Distance S.A4 mm (-21%) (16)	11
Liminal	Distancial on 1987				11
S. Lesion3 (Surget)	Distance 24.4 mm [16]	Silve 6: 2	Distance: 41.3 mm (14%) (8)	Sice 2: 13	H
6. Legiza4 (Non Torget)	W		Distance: 12.3 mm	Diction; 8.5 mm (-23%)	11
(Non Torpet)			\$164 #: 15 1®	584 F: 37 100	
7. Letion's (Non Target)			Distances B.FE com (11%)	0(112410-27.0 mm (207%) 10(40-112	14
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	STATES DESIGNATION OF THE STATE	1 Targettlerinas	S Target Lesines EUM (SECRES) 68.0 cm (-20%)	STATES ELECTRICAL STATES AND STATES	
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ONCOLOGY & CLINICAL RESEARCH

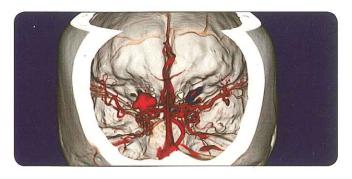
iNtuition Client Standard Features

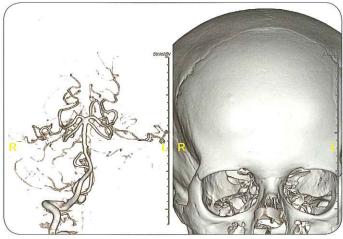
- Perspective (endoluminal view)
- Medial Axial Reformat (MAR)
- Curved Planar Reformat (CPR)
- Double-oblique MIP and MPR
- 3D triangulation
- Multi-monitor support
- Image enhancement filters
- Cube view
- · Multi-mask display

- Synchronized center of rotation viewing
- Synchronized side-by-side review
- iNtuition Workflow Templates (3D Presentation States)
- Workflow Scenes: restore saved state
- CT, MR, Nuc, PET, Angio, US/Echo, CR/DR Review
- Volume rendering, MIP, MPR, MinIP, Raysum (ThickMPR)
- · Distance, ROI and volume measurement
- · Measurement calibration and ratio tools
- · Output to DICOM, JPEG, BMP, AVI, Word

- Editing tools: crop, cut, free-hand
- Dynamic region grow segmentation
- Angulation tools including Cobb angle
- Distance pair
- User-defined measurement protocols
- Structured reporting with XML output
- 2D/3D Batch Movie Tool
- Conferencing and collaboration

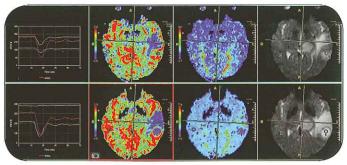
)pti	onal Clinical Modules		
	VESSEL ANALYSIS iNtuition's Vessel Analysis option is a comprehensive vascular analysis package for CT and MR angiography capable of a broad range of vascular analysis tasks, from coronary arteries to aortic endograft planning and more general vascular review, including carotid and renal arteries. Auto-centerline extraction, straightened view, diameter and length measurements, CPR and axial renderings, and Vessel Track mode for automated thin-slab MIP are included.		FLYTHROUGH Applicable to endoluminal CT or MR investigations such as colon, lungs, or blood vessels, the Flythrough option supports side-by-sic review, painting of previously-viewed areas, percent coverage tracking, an multiple screen layouts including forward, reverse, fisheye and flat volum rendered views. Tools are provided for contrast subtraction, "Cube View and integrated contextual reporting. Display and management of candidat markers from optional detection engines are supported, including iNtuition Spherefinder.
	CALCIUM SCORING Semi-automated identification of coronary calcium with Agatston, volume and mineral mass algorithms supported. An integrated reporting package with customization options is included.		VOLUMETRIC HISTOGRAM The Volumetric Histogram option allow a volume of interest to be segmented and analyzed for composition. Research
	TDA - TIME DEPENDENT ANALYSIS The time-dependent behavior of appropriate examinations can be studied, such as time-resolved planar or volumetric 4D brain perfusion examinations acquired with CT or MR. The TDA package supports color or mapping of various parameters such as mean enhancement time and enhancement integral, with semi-automated selection of input function and baseline, to speed analysis. TDA supports rapid automated processing of dynamic 4D area-detector CT examinations to		applications include the analysis of low-attenuation regions of the lung threshold-based division of tumors into voxel populations, investigation of thrombosed vessels or aneurysms, or other pathology. FINDINGS WORKFLOW This option provides a framework for trackin findings across serial examinations. A database holds measurements an key images, and provides support for structured comparisons and tabulate reporting of findings over time, such as the RECIST 1.1 approach for
	ensure interpretation within minutes of acquisition.		presenting serial comparisons. The Annotation and Image Markup (AIM XML schema is supported, for automated integration with voice-recognition
	CT/CTA SUBTRACTION Helpful in the removal of non-enhancing structures (e.g. bone) from CT angiography examinations, the CT/CTA option includes automatic registration of pre- and post-contrast images, followed by		systems or clinical databases, and Word-based reports may be derived from the database.
	a dense-voxel masking algorithm which removes high-intensity structures (like bone and surgical clips) from the CTA scan without increasing noise, aiding with the isolation of contrast-enhanced vascular structures.		FUSION FOR CT/MR/PET/SPECT With this module, any two CPET, MR or SPECT series, or any two-series combination thereof can be overlaid with one assigned a semi-transparent color coding and the other shown in grayscale and volume rendering for anatomical reference. Automat
	LD – LOBULAR DECOMPOSITION Identifies tree-like structures within a volume of interest, e.g. a scan region containing a vascular bed, or an organ such as the liver. The LD tool then identifies sub-volumes of interest based		registration is provided and subtraction to a temporary series or to a saved third series is possible. Support for PET/MR visualization is included.
	on proximity to a given branch of the tree or one of its sub-branches. Research applications include the analysis of the lobular structure of organs .		MULTI-PHASE MR Certain MR examinations (for example, Bream MR) involve a series of image acquisitions taken over a period of time, when certain structures become enhanced over time relative to other structures.
	iGENTLE General Enhancement & Noise Treatment with Low Exposure. An advanced volumetric filter architecture applying noise management techniques to improve the effectiveness of 3D, centerline, contouring and segmentation algorithms even when source image quality is not optimum.	ď	This module features the ability to subtract a pre-enhancement image fror all post-enhancement images to emphasize visualization of enhancing structure (for example, vascular structures and other enhancing tissue). Time-depender region-of-interest tools are provided to plot time-intensity graphs of a give
	SAT - SEGMENTATION, ANALYSIS & TRACKING SAT supports analysis and characterization of masses and structures, such as solitary pulmonary nodules or other potential lesions. Tools are provided to identify and segment regions of interest, and to then apply measurement criteria, such as RECIST and WHO, leading to tabulated reporting of findings and follow-up comparison. Display and management of candidate markers from optional detection engines are supported, including iNtuition's Spherefinder.		PARAMETRIC MAPPING An optional enhancement to the Mult Phase MR tool, the parametric mapping option pre-calculates overlay map where each pixel in an image is color-coded depending on the time-depender behavior of the pixel intensity. As an example, this tool can be used in Breast M to speed identification and investigation of enhancing regions.
	TVA - TIME VOLUME ANALYSIS TVA provides automated calculation of ejection fraction from a chamber in rhythmic motion, such as a cardiac ventricle. A fast and efficient workflow is offered to enable the user to identify the wall boundaries of interest (e.g. epicardium and endocardium) and, based on these user-confirmed regions of interest, to report ejection fraction, wall		SPHEREFINDER The Spherefinder option performs zero-clic automated analysis of volumetric examinations to identify the location of structures with a high sphericity index (characteristics exhibited by man nodules and polyps). Spherefinder is often used with Lung or Colon CT scans to identify potential areas of interest.
	volume (mass) and wall thickening from multi-phasic CT data. Tabulated reporting output is included.		MULTI-KV The MultiKv option provides support for Dual Energy an Spectral Imaging acquisitions from multiple vendors, providing standard imag processing algorithms such as segmentation or contrast suppression, as well a
	MAXILLO-FACIAL To support the analysis and visualization of CT examinations of the Maxillo-facial region, this option applies the CPR tool to generate "panoramic" projections in various planes and of various thicknesses, and cross-sectional MPR views at set increments along the defined curve plane.		generic toolkits for precise analysis and development of new techniques.





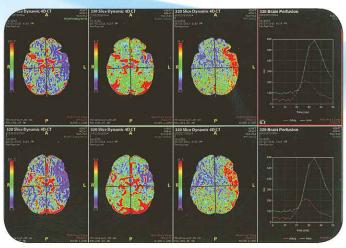
Segmentation & Visualization





MRTDA - Time Dependent Analysis

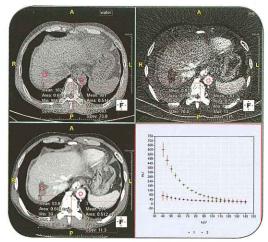




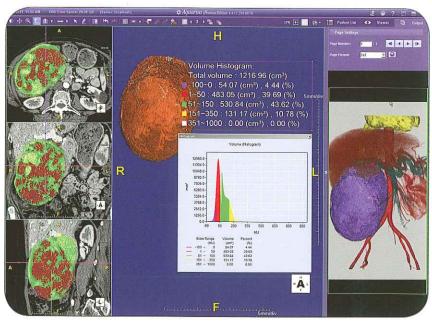
CT TDA - Time Dependent Analysis

Optional Modules for Neuroimaging _____

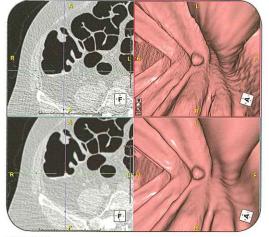
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Vessel Analysis	SAT – Segmentation Analysis & Tracking	Fusion for CT/MR/PET/SPECT
Calcium Scoring	TVA – Time Volume Analysis	Multi-Phase MR
TDA – Time Dependent Analysis	Maxillo-facial	Parametric Mapping
CT/CTA Subtraction	Flythrough	Spherefinder
LD – Lobular Decomposition	Volumetric Histogram	MultiKV*
igentle	Findings Workflow*	*Scheduled for mid-2012



MultiKV — Dual Energy & Spectral Imaging

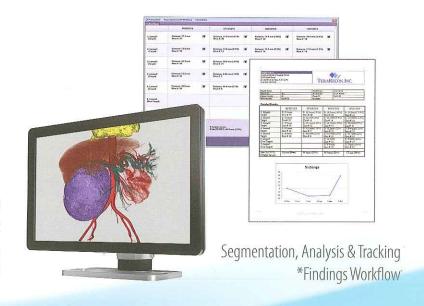


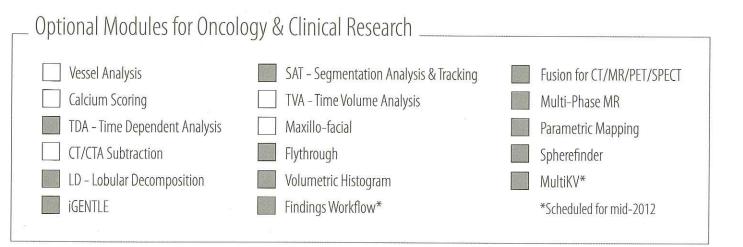
Tumor analysis with Volumetric Histogram



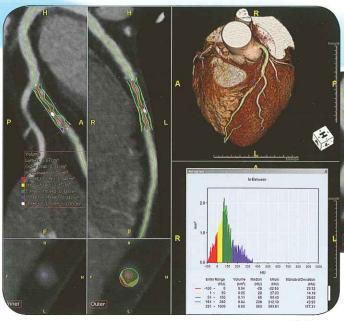
iGENTLE

General Enhancement & Noise Treatment with Low Exposure An advanced volumetric filter architecture applying noise management techniques to improve the effectiveness of 3D, centerline, contouring and segmentation algorithms even when source image quality is not optimum.





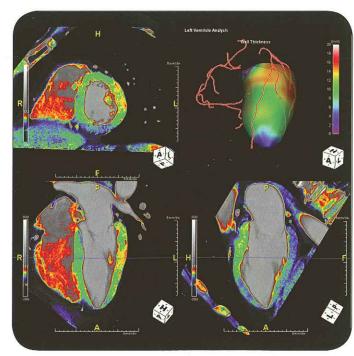
For over a decade, TeraRecon has been the leading pioneer and innovator in the field of interpretation tools for volumetric cardiac and coronary imaging. This tradition of innovation continues as iNtuition expands support for additional modalities and analysis techniques supporting both diagnostic interpretation, and clinical research, leveraging the power of the iNtuition workflow.



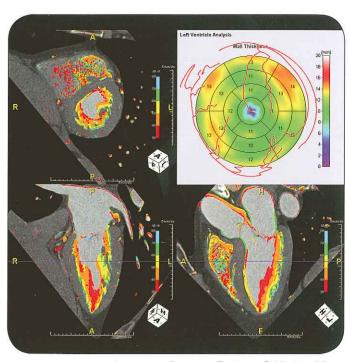
Notation of times

Centerline Cross Section Analytics — CCSA

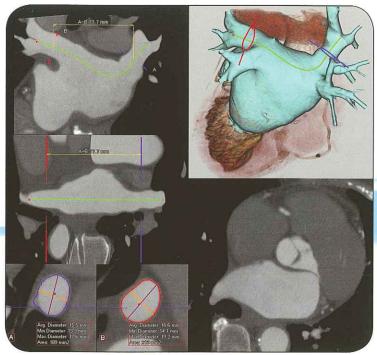
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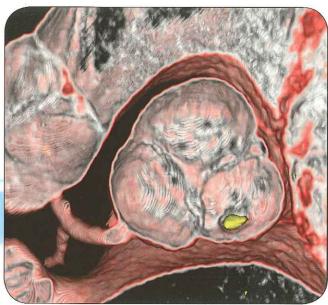


 ${\sf TVA-Time\,Volume\,Analysis\,\&\,Enhancement\,Analysis}$



Coronary Territory & Motion Maps





Left Atrium



Optional Modules for Cardiac & Coronary _

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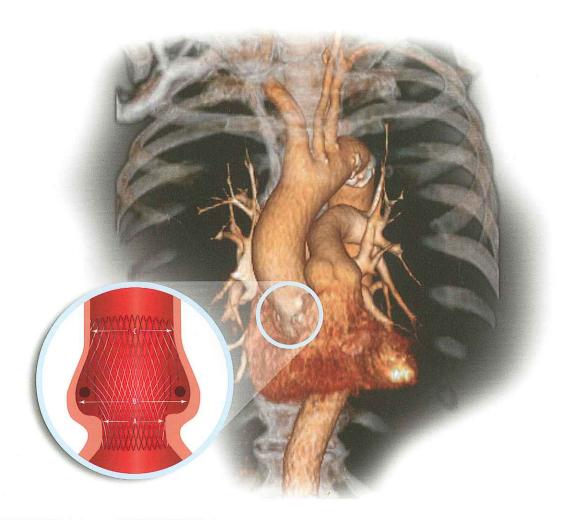
- Calcium Scoring
- TDA Time Dependent Analysis
- CT/CTA Subtraction
- LD Lobular Decomposition
- igentle

- SAT Segmentation Analysis & Tracking
- TVA Time Volume Analysis
- Maxillo-facial
- Flythrough
- Volumetric Histogram
- Findings Workflow*

- Fusion for CT/MR/PET/SPECT
- Multi-Phase MR
- Parametric Mapping
- Spherefinder
- MultiKV*

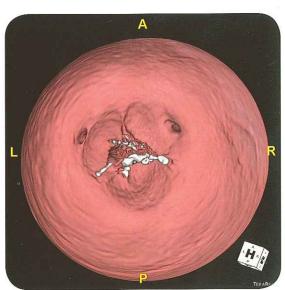
*Scheduled for mid-2012

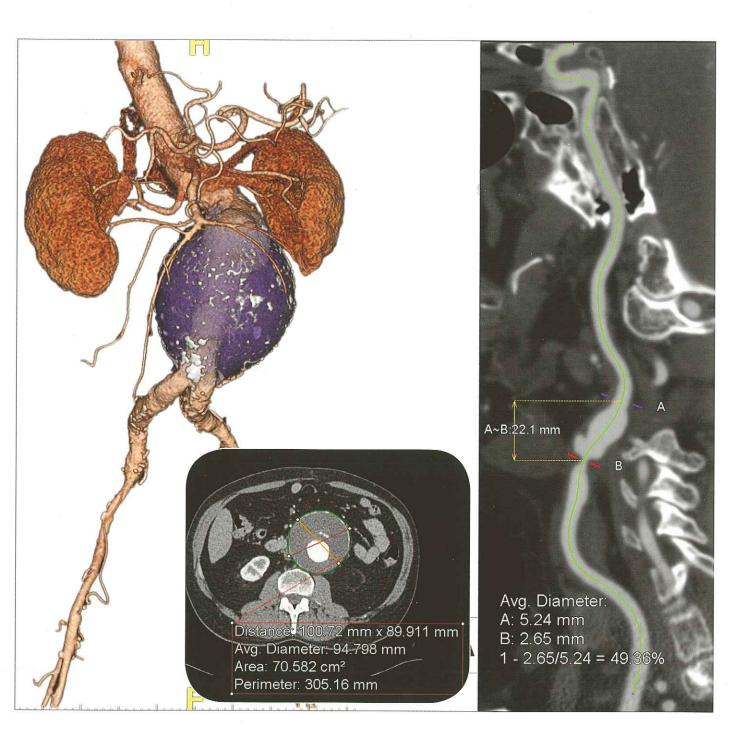
iNtuition defines the standard for advanced visualization support in interventional planning and follow-up, unmatched in the industry. Long accepted as the platform of choice for EVAR, iNtuition continues this tradition of unparalleled vascular workflow and efficiency, in support of new procedures like TAVI, and established protocols such as carotid and peripheral intervention.











Optional Modules for Vascular & Interventional _

- Vessel Analysis
- Calcium Scoring
- TDA Time Dependent Analysis
- CT/CTA Subtraction
- LD Lobular Decomposition
- igentle

- SAT Segmentation Analysis & Tracking
- TVA Time Volume Analysis
- Maxillo-facial
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 - *Scheduled for mid-2012