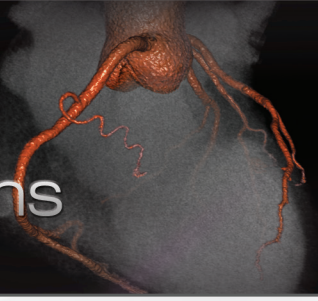


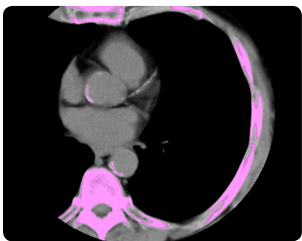
Vitreia[®] Advanced Cardiac Imaging Solutions



Vitreia Advanced Cardiac Solutions from Vital Images is a comprehensive suite of specialized applications designed to provide cardiologists and radiologists the ability to evaluate the cardiac anatomy and function from CT images in an efficient and trusted manner.

Calcium Scoring

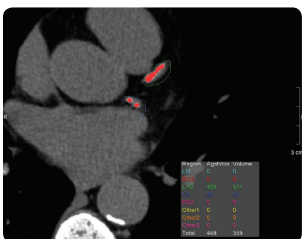
Calcium Scoring is a specialized application designed for cardiologists and radiologists to easily and quickly visualize and measure the coronary calcification and calculate the Agatston calcium score using a non-contrast cardiac CT scan.



- Non-invasive assessment of a cardiac risk factor
- Meets patient demand for screening
- Enhances productivity through intuitive workflow
- Individual vessel and total Agatston calcium scores
- Generates report with risk profile and images for patients

Coronary Analysis

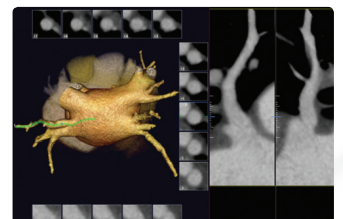
Coronary Analysis is a specialized application designed for cardiologists and radiologists to evaluate the coronary vessels using a cardiac CTA exam. Coronary Analysis provides the capability to easily visualize the coronary vessels, measure and quantify stenosis and characterize the plaque.



- A clear, simple and fast non-invasive cardiac evaluation tool
- Automated segmentation of the heart and coronary tree
- Automated Vessel Probe of the main coronary arteries
- Auto-chamber short and long axis views
- Automatic centerlines and vessel contours
- 3D and curved / cross-section vessel views, plus straightened vessel view
- Length, angle and volume measurements for probed vessels
- Lesion tool for easy calculation of stenosis
- Angio emulation and Cath View
- Auto-populated SCCT compliant report

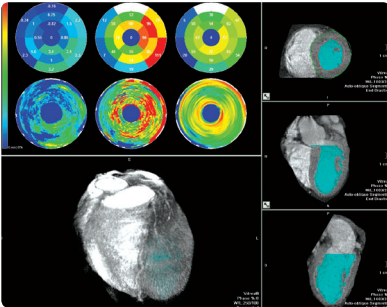
EP Planning

EP Planning is a specialized application designed for cardiologists and radiologists to assess and model the left atrial anatomy for planning an EP procedure and integrate with the St. Jude Ensite EP ablation system. EP Planning provides the capability to auto-segment a model of the left atrium, quickly assess and measure the pulmonary veins and send the results to the Ensite ablation system for treatment planning.



Cardiac Functional Analysis

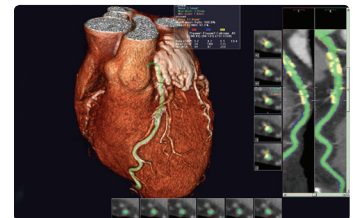
Cardiac Functional Analysis (CFA) is a specialized application designed for cardiologists and radiologists to assess the cardiac function using a multi-phase cardiac CTA exam. Functional Analysis provides the capability to easily visualize the chambers of a beating heart, and rapidly compute functional measurements such as ejection fraction and cardiac output for the left ventricle.



- Automated segmentation of the heart and left ventricle
- Automated long and short axis displays for chamber evaluation
- Automated calculation of EF, indexes and volumes
- Cine visualization of beating heart
- Automated polar plots of wall motion and thickening
- Auto-populated SCCT-compliant report
- New 3D renderings, including chamber and valve views
- One-click segmentation of artificial valves and implants

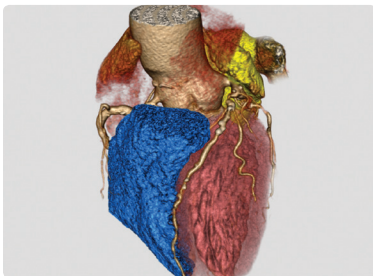
SUREPlaque®

The revolutionary application designed for cardiologists and radiologists allows measurement of arterial plaque by defining the inner and outer boundaries of the vessel wall, color-coding the calcified and non-calcified plaque, and enabling quantitative measures such as plaque volume, burden and remodeling index.



Multi-Chamber Function

Clinical toolset providing radiologists and cardiologists a functional assessment of the entire heart using a multi-phase cardiac CTA exam. Ability to visualize the individual chambers (left ventricle, right ventricle and left atrium) of a beating heart, and rapidly compute functional measurements such as stroke volume, ejection fraction and cardiac output for each of the chambers.



- Automated segmentation of the 3 chambers
- Adult and Pediatric* protocols
- Visualization of individual chambers function
- Graphical plots of changes in volume during cardiac cycle
- Functional measurements for all chambers
- Regurgitation fraction
- Maximal, Cyclic and Reservoir Volumes for LA

* Available only on Vitrea fX (Toshiba)

Availability

The Vitrea Advanced Cardiac Solutions is available on Vitrea standalone workstations as well as Vitrea Enterprise Suite on the advanced server. The Vessel Probe tool is also available in Vitrea Core.