



Quantitative image analysis has become routine to diagnose and/or assess patient risk.

Quantitative analysis enables more accurate results supporting reliable assessment of cardiovascular risk, and depiction of subtle changes.

Advanced Quantitative Image Analysis for Cardiology

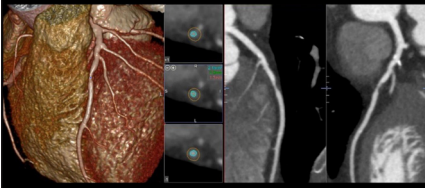
“Vitrea is an essential part of our operation. It’s very customizable and provides a detailed anatomical and functional analysis of our images.”¹

— **Catalin Loghin, MD**
*Professor of Cardiovascular Medicine
McGovern Medical School
UTHealth, Houston, Texas*



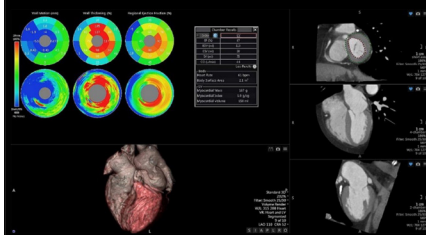
Efficiently analyze your Coronary CTA

CT Cardiac Analysis²



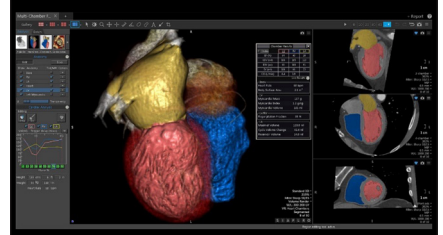
- Enables to determine the presence and extent of coronary obstructive disease
- Streamlined workflow with semi-automatic extraction of the coronary arteries

CT Cardiac Functional Analysis²



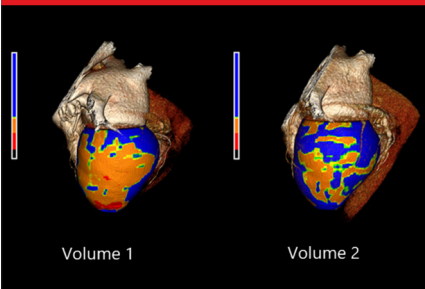
- Assists in assessing cardiac function for the left ventricle.
- Automatic calculation of regional and global metrics
- Semi-automatic segmentation of the heart, left ventricle and myocardium in multiple phases

CT Multi-Chamber Cardiac Functional Analysis²



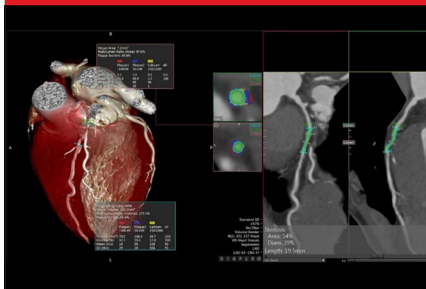
- Assists in assessing cardiac function of the left ventricle, right ventricle and left atrium
- Semi-automatic segmentation
- Automatic calculations such as stroke volume, cardiac output, ejection fraction

CT Myocardial Perfusion^{3,4}



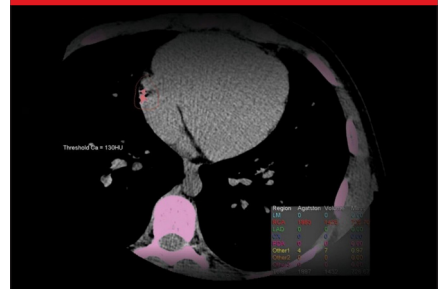
- Enables visualization and analysis of perfusion deficits in the myocardium
- Streamlined workflow with semi-automated segmentation and registration

CT SUREPlaque²



- Visualization and measurement of vessel wall and plaque characteristics in arterial vessels.
- Single-click segmentation with semi-automatic centerline and lumen boundaries
- Semi-automatic measurements

CT VScore²



- Calcium scoring application
- Using a non-contrast cardiac CT exam
- Provides the ability to visualize, measure and create a report of coronary calcification

¹The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors.

²Optional

³Option, CT Myocardial Perfusion is a Vitrea™ Advanced Visualization application manufactured by Canon Medical Informatics, Inc.

⁴Volume 1 Effective Dose: 0.48 mSv / Volume 2 Effective Dose: 0.37mSv (AAPM Report 96, k-factor 0.014)

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