

VitreiaAdvanced™



Connected.



Imaging anytime, anywhere.

VitreAdvanced® is Vital's premier advanced visualization solution that provides clinical applications and data management systems, backed by our first-class customer service. Our scalable solution integrates with technologies, such as PACS, and is available across the enterprise, via the Web and on both thin- and thick-client technologies.

The software utilizes an intuitive clinical workflow, fueled by intelligent automation, to improve speed and simplicity. Versatile deployment options allow VitreaAdvanced to be customized for the enterprise. With VitreaAdvanced, customers have the tools, information and access they need, when and where they need it.

VitreCore

This scalable, thin-client solution offers a straightforward approach to complex information and access to the basic tools used most frequently on existing technology anytime, anywhere.

Vital Image Management System

Vital Image Management System (VIMS) is a centralized server that enables access to images anywhere at any time. This single repository of data is designed around three core architectural principles: clinical applications, data management and storage management. Each of these principles facilitate scalability, serviceability and delivery of fault tolerance.

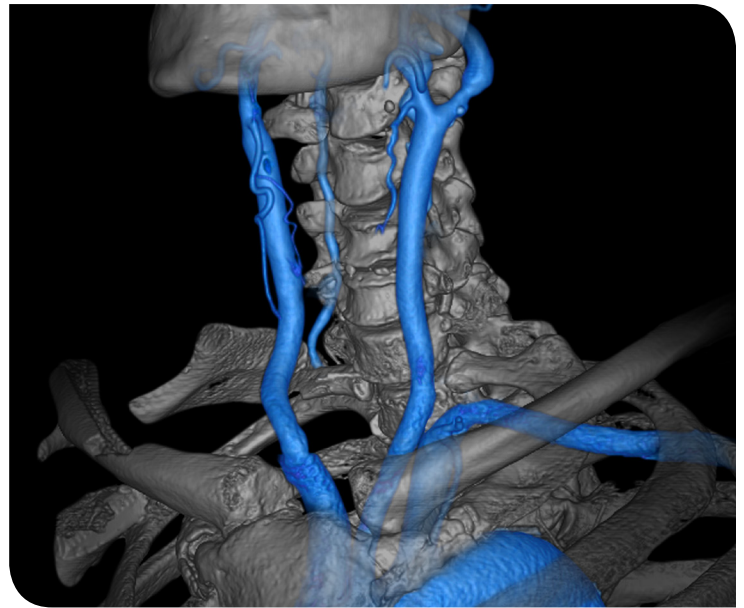
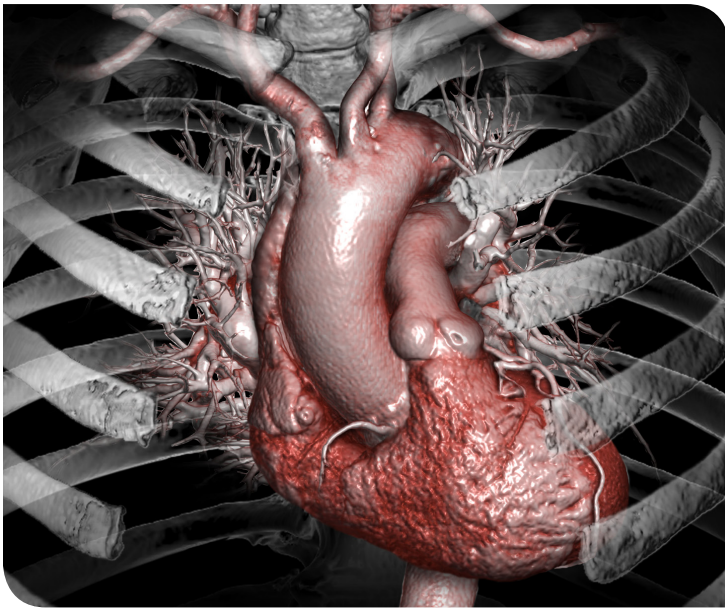
VitreAdvanced™

VitreAdvanced offers full-powered solutions with advanced applications for cardiovascular, neurovascular and oncology. Customize this software with any or all of Vital's clinical applications, and integrate technologies, such as PACS with a few simple clicks. VitreAdvanced allows users to access tools online without compromising speed or quality.

VitreiaAdvanced Applications

Cardiovascular

This specialized set of cardiac applications help physicians assess coronary artery disease, analyze cardiac function and plan interventional and electro-physiology procedures. These tools help facilitate quick, confident evaluations of CT and MR angiography studies for identification, characterization and interventional planning for cardiovascular concerns. Physicians can effectively assess vessels, do a comparative review of previous and current studies and communicate results.



CT Cardiac Coronary

Automates the clinical evaluation of the coronary arteries by probing and labeling the main coronaries and allowing SCCT-compliant reporting of findings.

CT Aorta

Enables users to visualize, segment, measure and evaluate the aorta vasculature.

CT Cardiac Calcium Scoring

Provides the ability to visualize, measure and create a report of coronary calcification and calculate the calcium score using a non-contrast cardiac CT exam.

CT Carotid

Enables users to: visualize, measure and segment vessel structures; probe individual vessels; measure stenosis; characterize plaque; and perform automated vessel measurements. Visualize vessel structures in 3D or curved inset views and evaluate calcified/non-calcified plaque with an automated color-coding feature.

CT Renal

Visualizes, segments and measures renal anatomy using CT angiography studies; CT Renal also provides tools to evaluate vessels and create volume measurements of the kidneys.

CT Circle of Willis

Enables visualization of the vascular anatomy in the Circle of Willis to measure stenosis, evaluate tortuosity and perform measurements.

CT Runoff

Removes bone, segments vessel structures, probes individual vessels, measures stenosis, evaluates tortuosity, characterizes plaque and measures vessels.

CT Cardiac Functional Analysis (CFA)

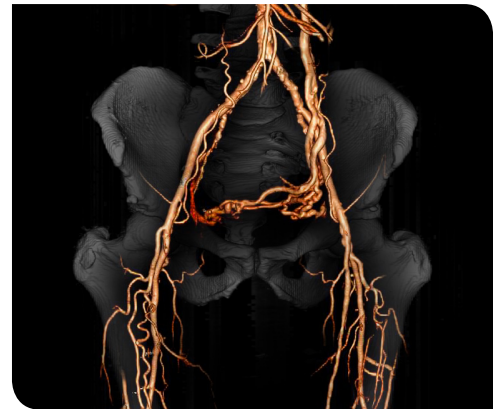
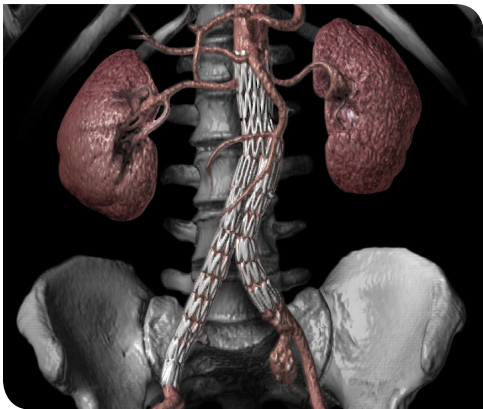
Automates segmentation of the heart and allows visual assessment of wall motion in short- and long-axis orientations. Results are quickly generated for ejection fraction, myocardial mass and volume. Full-color polar plots help chart quantitative wall motion and thickening data. With the visual editor tool, cardiac structures, such as valves and chambers, can be visualized.

MR Vascular

Enables the evaluation of vascular anatomy from MR angiography studies, visualizes and segments vessel structures, probes individual vessels and measures stenosis.

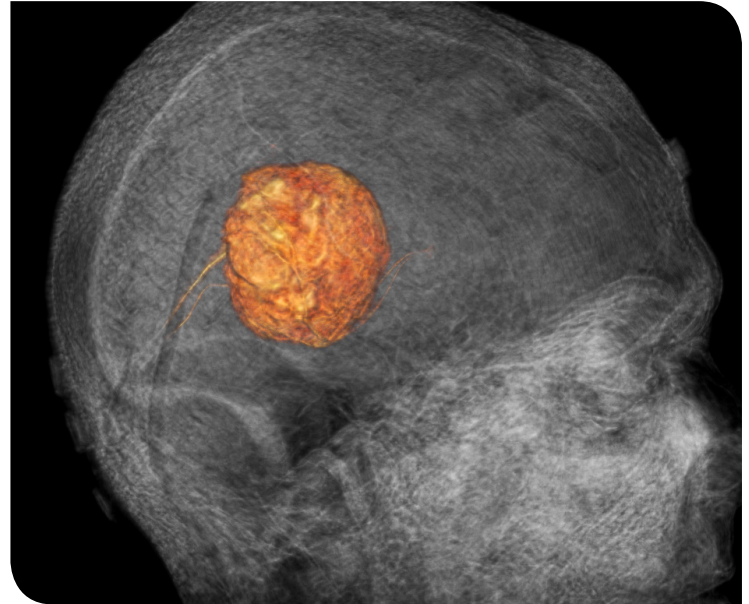
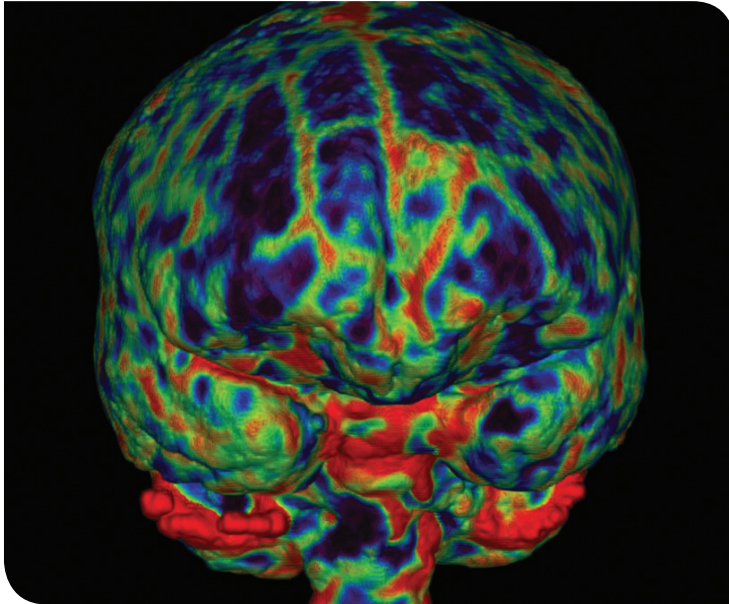
CT Lung Nodule

Helps users analyze nodules through multiple studies to determine growth patterns and make comparative reviews. Workflow automatically segments the lung and thorax, and provides clinical information including density, percent growth and doubling rates for nodules.



Neurovascular

The applications specific to neurology provide physicians with tools to visualize, measure and characterize neurovascular anatomy and perfusion details in the brain and the vascular system.



CT Brain Perfusion

Automatically identifies the earliest enhancing artery and densest vein, and computes perfusion maps for rCBF, rCBV, MTT, time to peak and delay. This application also enables auto-mirroring of template ROIs for the right and left hemispheres of the brain. It supports wide-coverage protocols.

CT Runoff

Removes bone, segments vessel structures, probes individual vessels, measures stenosis, evaluates tortuosity, characterizes plaque and measures vessels.

CT Circle of Willis

Views the vascular anatomy in the Circle of Willis to measure stenosis, evaluate tortuosity and perform measurements.

CT Carotid

Enables the ability to visualize, measure, segment vessel structures, probe individual vessels, measure stenosis, characterize plaque and perform automated vessel measurements. Visualize vessel structures in 3D or curved inset views and evaluate calcified/non-calcified plaque with an automated color-coding feature.

CT Musculoskeletal

Provides clinical tools and visualization settings for the general analysis of CT Musculoskeletal.

MR Musculoskeletal

Views different types of orthopedic studies with presets for optimal visualization of soft tissue and bony structures. Users may also export visualization volumes into STL format.

MR Brain Tumor

Semi-automated volumetric isolation and measurement of brain tumors from MR studies. Key features include semi-automated segmentation of brain tissue and isolation of enhancing/non-enhancing segments of the tumor.

MR Vascular

Evaluates vascular anatomy from MR angiography studies, visualizes and segments vessel structures, probes individual vessels and measures stenosis.

CT Lung Nodule

Helps users analyze nodules through multiple studies to determine growth patterns and make comparative reviews. Workflow automatically segments the lung and thorax, and provides clinical information including density, percent growth and doubling rates for nodules.

Oncology

This suite of applications and tools provides advanced capabilities to support analysis and treatment planning decisions including the visualization, segmentation and measurement of areas of interest.

MR Abdominal

Used for the visualization and analysis of abdominal MR studies. It provides basic 3D and 4D tools for analysis.

MR Brain Tumor

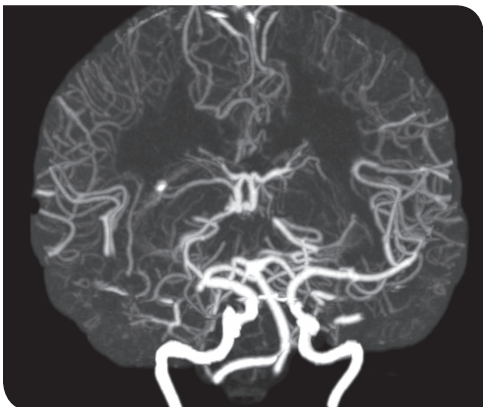
Allows semi-automated volumetric isolation and measurement of brain tumors from MR studies. Key features include semi-automated segmentation of brain tissue and isolation of enhancing/non-enhancing segments of the tumor.

CT Larynx Airway

Enables the visualization and evaluation of abnormalities in the larynx and airways.

CT Lung Nodule

Helps analyze nodules through multiple studies to determine growth patterns and make comparative reviews. Workflow automatically segments the lung and thorax, and provides clinical information including density, percent growth and doubling rates for nodules. Lung CAD is also available.



Vital Services

Vital Support

Vital understands that the vitality of an organization depends on reliable technology and minimal downtime. The Vital Support program is designed with optimal productivity of the enterprise in mind.

- **Software Upgrades and Updates**

Whether it's a simple fix, a feature enhancement or a new version of the suite's clinical applications, when software is released, customers are entitled to the new upgrade or update.

- **Customer Service**

Receive immediate expert contact through our toll-free phone number.

- **Toll-Free Support Line | 1.800.208.3005**

Whether a customer has an issue, a question or needs advice, Vital's hotline is staffed by a team of technical and clinical experts, not an operator bank, so assistance is readily available.

- **Remote Diagnostics and Repair**

Vital's customer support staff can access client software remotely to quickly troubleshoot problems, offering personalized assessment and resolution from anywhere.

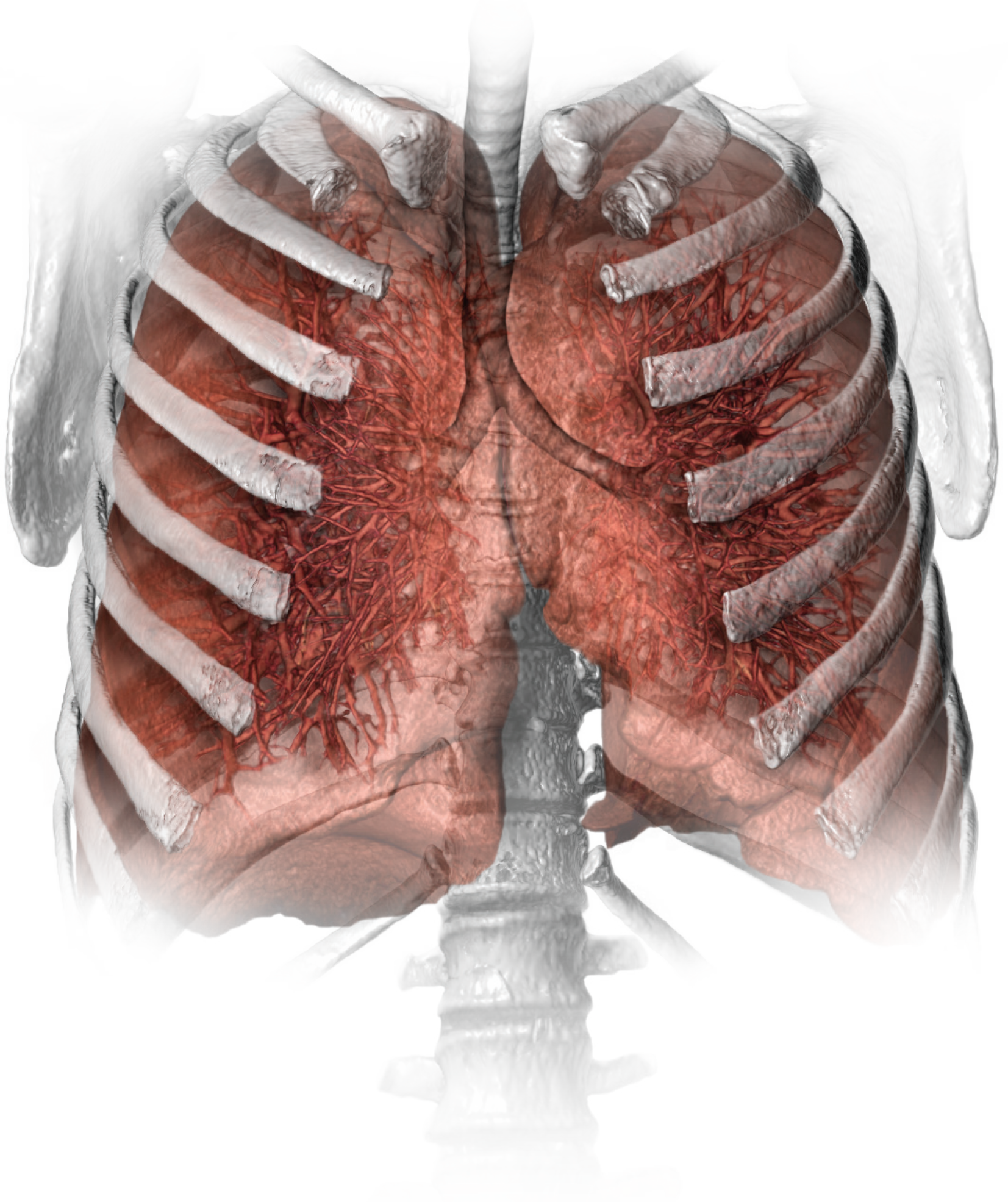
Vital U®

Vital U's goal is to teach customers how to use and leverage clinically-based workflows on Vital software for their practice. Education plans are tailored to specific organizational needs. Vital is there to help users learn new features and adapt to workflow changes with each upgrade or reconfiguration.

Vital Consulting

Vital employs an experienced team of network engineers, solution architects, application specialists and developers who create highly customized, tightly integrated solutions to meet unique, complex clinical and technical needs.

From customized integration solutions through structured deployment and adoption plans, Vital's consulting services ensure investments are maximized with its industry-leading advanced visualization solution.





Vital Images, Inc., a Toshiba Medical Systems Group Company, is a leading provider of advanced visualization and analysis software for physicians and healthcare specialists. The company's software provides users productivity and communication tools to improve patient care that can be accessed throughout the enterprise anytime, anywhere via the Web.

Vital | 5850 Opus Parkway, Suite 300 | Minnetonka, MN 55343-4414 | 866.433.4624 Vital Europe | Laan van 's-Gravenmade 20 | 2495 AJ Den Haag | The Netherlands | +31 70 413 5800



MediMark® Europe
11 rue Emile ZOLA, BP 2332, 38033
GRENOBLE CEDEX 2, France
Tel: +33 476 86 43 22
Fax:+33 476 17 19 82
info@medimark-europe.com

Australian Sponsor
15 Alvarado Court
Broadbeach Waters
QLD, 4218
Australia

Australian Sponsor
Toshiba Australia Pty Ltd
PO Box 350
North Ryde, NSW 1670
Australia

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