

# Vitreia<sup>®</sup> Advanced Vascular Imaging Solutions



Vitreia Advanced Vascular Imaging Solutions from Vital Images is a comprehensive suite of specialized tools for Radiologists, Cardiologists, Vascular surgeons and Interventionalists to quickly and confidently evaluate CT, MR and XA angiography studies for the identification and treatment planning of vascular disease. These tools effectively assess vessels and communicate results and images with clinical impact.

## Vascular Analysis

The Vascular Analysis application from Vital Images is designed to evaluate vascular anatomy using CT and MR angiography studies. Vascular Analysis is a specialized application for the carotid, aorta, renal and peripheral vessels that provides the ability to remove bone, 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.



- A Clear, Simple Non-invasive Vascular Evaluation Tool
- Supports both CT Angiography and MR Angiography
- Enhances productivity with One Point, one-click easy vessel segmentation - automatic centerlines and vessel contours
- 3D and curved / cross-section vessel views, plus straightened vessel view
- Lesion tool for easy calculation of stenosis
- Angio emulation and Cath View
- Automated bone removal – New Feature!
- Extended probe for vertebral arteries and small vessels – New Feature!

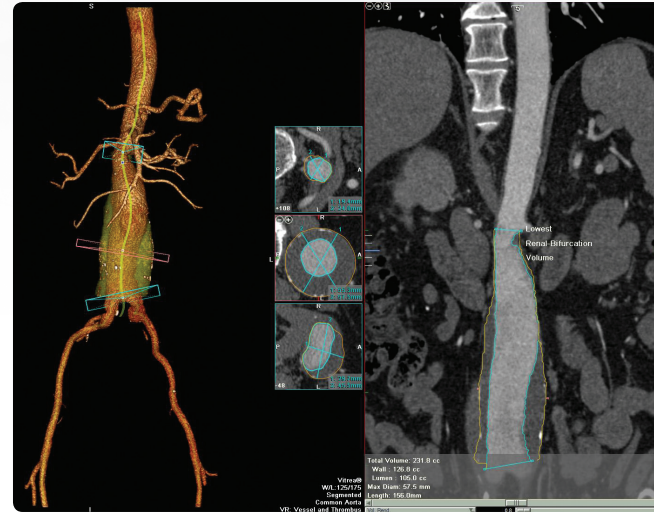
## Endovascular Stent Planning

The Endovascular Stent Planning (EVSP) application by Vital Images is designed to provide visualization and communication tools for endovascular aneurysm repair (EVAR) procedures. Endovascular Stent Planning is an advanced clinical application for the planning of stent implants for abdominal and thoracic aneurysms using data acquired by CT scanners.

The EVSP application provides automated anatomy measurements for pre-surgical planning of twelve stent grafts from different manufacturers, including a unique partnership with Medtronic for new '3D Recon' service to enhance the endovascular treatment of aortic aneurysms.

Reduces the time to plan patient procedures from days to minutes.

- Automated segmentation of aorta and iliacs
- Automated stent measurements
- Generic and specified stent manufacturer templates
- Review and compare two exams
- Endovascular Stent Planning Reports



Many patients have anatomy not suitable for endovascular repair; therefore preplanning and device selection is crucial to success. Common anatomical considerations of endovascular repair candidates include:

- Iliofemoral access
- Promixial attachment site (infrarenal neck)
- Aneurysm: Maximum diameter, length, tortuosity
- Aorta: Calcified, narrowed or challenging bifurcation
- Distal attachment site (commonly the iliac arteries)

## Availability

Vitreas Advanced Vascular Imaging Solutions are available both on Vitrea standalone workstations as well as Vitrea Enterprise Suite on the advanced nodes.