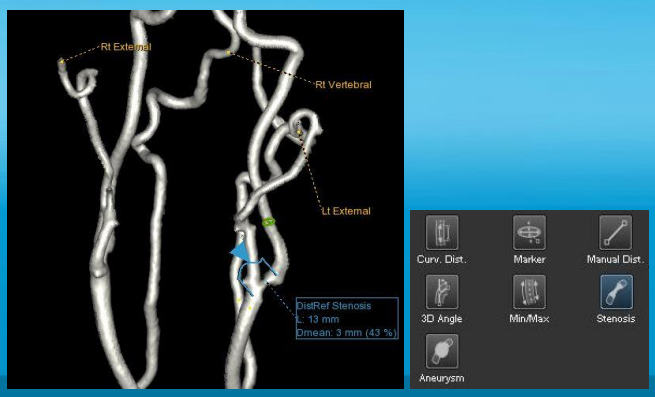
GE Healthcare

MR VesselIQ™ Xpress



Vessel analysis made flexible.

Using radiation-free Magnetic Resonance Angiography (MRA) as a tool for vascular disease diagnosis may provide sound information for making therapeutic decisions. Increased sophistication of both sequence design and parallel acquisition techniques have made contrast-enhanced Magnetic Resonance Angiographic (MRA) a powerful, practical diagnostic tool.

Furthermore, the recent introduction of contrast-free Magnetic Resonance Angiographic (MRA) makes it competitive with other diagnostic techniques in light of the current emphasis on dose management, cost containment, and outpatient evaluation.

MR VesselIQ Xpress provides the tools to efficiently evaluate Magnetic Resonance Angiographic (MRA) information to help aid in vascular disease assessment.

Overview

Integrated with the Volume Viewer platform, MR VesselIQ offers you advanced techniques to easily track the vasculature geometry and make measurements. The software includes display, measurement, and batch filming/archive features to let you efficiently analyze selected vessels for stenosis, directional tortuosity and other anomalies.

MR VesselIQ™ Xpress is available on VolumeShare 7, a multi-modality advanced visualization workflow solution that helps to enhance diagnostic precision and productivity.

Highlights

- Guided workflows and smart layouts to help analyze vascular MR data.
- Adapt your application to fit personal and institution requirements for more standardized analysis and improved productivity.
- Intuitive in-view tools for editing vessel centerline.
- Quantify abnormal vascular structures and assess changes.
- Visualize and analyze directional vessel tortuosity.
- “Show Tracking” shortens waiting time for first clinically relevant image.
- Provides quick 3D visualization, and fast access to vessel cross section and profile images.
- Accessible from PC, laptop, PACS/RIS workstation for streamlined workflow.

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Features

MR VesselIQ Xpress offers ten advanced protocols:

- Anatomy-based protocols enable placement of intermediate points when needed.
- Pre-defined label database accurately labels vessels when using Advanced Vessel Analysis (AVA) based protocols.
- Automatically provides size, stenosis, and length measurements with two deposited points.
- Single or double Quick AVA from any protocol within Volume Viewer to analyze vessels in curved reformat, lumen, or MPR views.
- Allows saving of current processing state to include measurements, 3D segmentation, and tracking.
- Features anatomy-based vessel labeling.
- Quickly and easily switch from one protocol to another from the review step area.
- Customizable review step accommodates particular workflows.
- Allows retrieval of the saved state so you can resume analysis from where you left off.
- Includes five pre-defined layouts to best suit your workflow.
- Ability to customize layouts for dual screen anatomy review.
- Capture measurement results tables and associated images to include in reports.

System Requirements

- AW Server 3.1 and above and recommended monitor resolution is up to dual 2MP (1600 x 1200) or a single 3MP (1536 x 2048).
- AW VolumeShare7 Workstation and above
- Centricity™ Universal Viewer[1]

Notes:

[1] AW Server 3.1 is not compatible with Centricity Universal Viewer

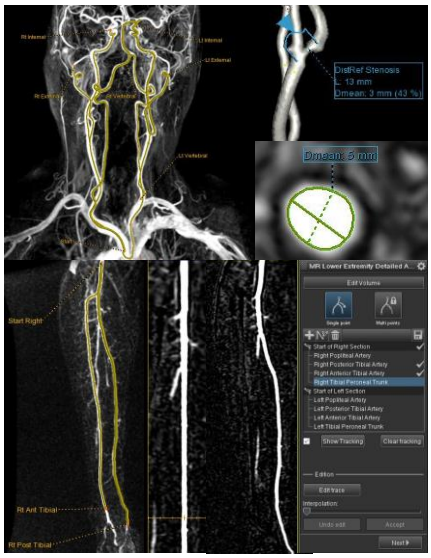
Indications for Use

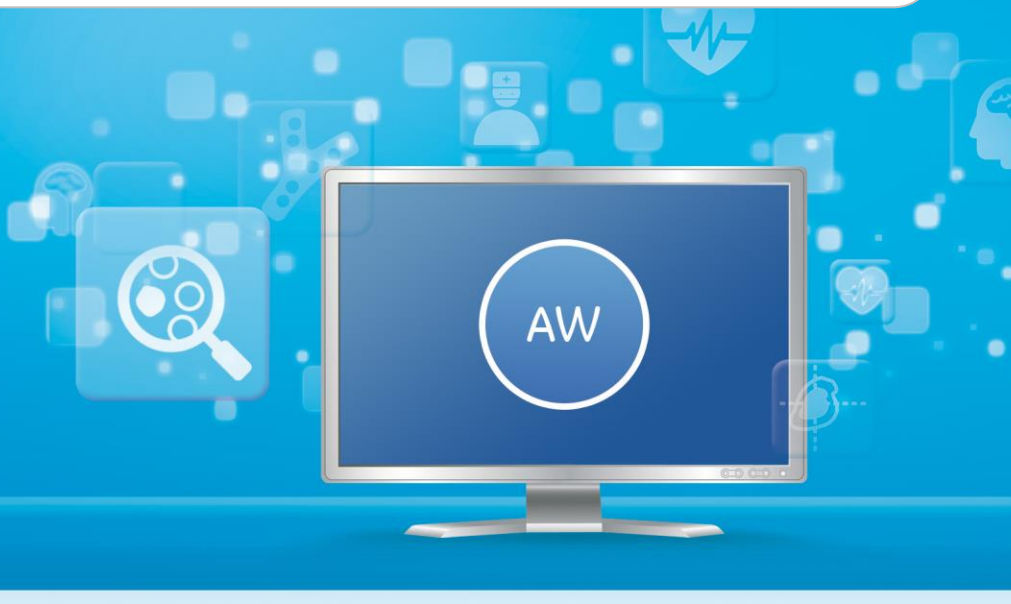
MR VesselIQ Xpress is intended to provide an optimized non-invasive application to facilitate vascular anatomy and pathology analysis from a set of DICOM 3.0 compliant 3D contrast-enhanced Magnetic Resonance Angiographic (MRA) images.
MR VesselIQ Xpress is a post processing application which can be used in the analysis of MRA data for the purpose of vascular disease assessment.

This software is designed to assist radiologists and other clinicians in the evaluation and assessment of vascular anatomy and disease with the capability to provide a set of tools for visualizing directional tortuosity, for sizing the vessel and for measuring areas of anomalies within a vessel.

Regulatory Compliance

This product complies with the European Council Directive 93/42/EEC Medical Device Directive as amended by European Council Directive 2007/47/EC





GE imagination at work

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