

Codonics Virtua Corridor4DM Viewer

Technical Brief

Overview

The Codonics Virtua[®] Medical Disc Publisher provides support for Corridor4DM as an optional DICOM review platform for the display and review of myocardial perfusion and function images. Contact Codonics Technical Support or your Sales Representative to acquire a Feature Key on Virtua to activate the viewer and installation on the SmartDrive.

Corridor4DM System Requirements

Validated operating systems:

- ◆ Microsoft[®] Windows[®] XP (Service Pack 2) with .NET v1.1 Framework
- ◆ Microsoft Vista[®] with .NET v1.1 Framework

Recommended hardware configuration:

- ◆ Intel[®] Pentium[®] equivalent, processor speed: 1.6 GHz
- ◆ 1 GB RAM (or more)
- ◆ 1280 x 1024 pixel graphics (XVGA resolution monitor)
- ◆ CD-ROM (48x)

Minimum hardware configuration:

- ◆ Intel Pentium equivalent, processor speed: 400 MHz
- ◆ 512 MB RAM
- ◆ 1024 x 768 pixel graphics
- ◆ CD-ROM (16x)

Corridor4DM Features & Benefits

Corridor 4DM Viewer allows medical professionals to share nuclear cardiology SPECT images with referring physicians and patients using CDs or DVDs. Those that view the optical disc will find:

- ◆ An intuitive and user-centric interface providing an ideal environment to review perfusion and function. The viewer supports numerous SPECT data sets, including serial stress/rest studies, uncorrected/attenuation corrected studies, and SPECT MUGA studies.
- ◆ A variety of myocardial perfusion and function review displays:
 - ◆ Static and gated 2D images in short axis, horizontal long axis, and vertical long axis slices
 - ◆ Static and gated 3D images of left-ventricular perfusion and function

- ◆ Secondary static and multi-frame DICOM screen captures
- ◆ 3D displays of the left ventricle for the observation of myocardial function including wall thickening and wall motion.
- ◆ Several quality assurance tools to assist in the identification of motion, artifacts, or other volumetric concerns. Among these tools are raw data displays, gating information, and count histograms.
- ◆ Corridor4DM's comprehensive environment includes the ability to export image displays in the following formats: TIFF, JPEG, and AVI files.

Language Support

Corridor4DM supports English only.

Data Requirements

Prior to using Corridor4DM, reconstruct cardiac tomo or gated tomo data sets using the standard reconstruction software for SPECT images.

DICOM Supported Data Sets

Corridor4DM will display or analyze the following data sets:

- ◆ SPECT or gated SPECT data sets (Transverse, Short Axis, HLA, or VLA orientations)
- ◆ Gated blood pool SPECT data sets (Transverse, Short Axis, HLA, or VLA orientations)
- ◆ Uncorrected and attenuation corrected (Transverse, Short Axis, HLA, or VLA orientations)
- ◆ Raw projection image data sets for display purposes only
- ◆ DICOM Secondary Screen Captures
- ◆ DICOM Multiframe Secondary Screen Captures

Web Site Support

Additional information for the Corridor4DM application can be found at www.inviasolutions.com.

Technical Support

If problems occur during software installation, contact Codonics Technical Support between the hours of 8:30AM and 5:30PM ET (weekends and U.S. holidays excluded).

Phone: 440-243-1198
Email: support@codonics.com
Website: www.codonics.com

Get it all with just one call
1-800-444-1198

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