

The logo for rcadia Life Saving Technology. The word "rcadia" is in a bold, lowercase sans-serif font, with a small white circle containing a plus sign above the letter 'i'. To the right of "rcadia" is the phrase "Life Saving Technology" in a smaller, lowercase sans-serif font. The background of the entire page is a dark blue gradient with a large, stylized, glowing blue medical device component on the left side, which appears to be a catheter or probe with a curved tip and a circular opening. A bright blue light flare is visible at the tip of the device.

rcadia Life Saving Technology

The
COR Analyzer[®]
System

Automatically Detects Significant Stenotic
Lesions in Coronary Arteries

Is Your Patient's Heart Green or Red?



COR Analyzer helps you distinguish between “healthy”^{*} and potentially diseased coronary patients.

All it takes is two **simple symbols**.



^{*}“Healthy” Coronary Patients = No Significant (50% or more) Stenosis Detected in cCTA Studies

The COR Analyzer System

The COR Analyzer System is a software application based on unique image processing algorithms for fully automated analysis of stenotic lesions in cCTA studies. The COR Analyzer identifies coronary artery stenosis and provides an immediate indication of potentially diseased coronary patients.

Without human interaction, the system analyzes coronary arteries and indicates the presence and location of significant (50% or more) coronary artery stenosis.

The screenshot displays the COR Analyzer II software interface. The main window shows a list of studies with columns for Last Name, First Name, Patient ID, Study ID, Study Date, Process Date, and # Images. A red heart icon next to the first study indicates significant stenosis. A red circle highlights a button in the top right corner of the software window. Below the main window, a detailed view of a patient's coronary artery is shown, with a red arrow pointing to a stenotic lesion. A legend at the bottom of the interface provides the following information:

- No significant stenosis detected
- Significant stenosis detected (50% or more)
- Failure in automatic analysis
- Warning - Possible artery tracking failure
- Warning - Incorrect datasets or data objects
- In Process

Immediate Patient Positive/Negative Indications on the Main Screen

The main screen provides an immediate indication of “healthy” coronary patients and those patients with suspected coronary artery stenosis. The same screen indicates the specific location of any detected lesion. One click provides curved MPR views of the specific vessel and detected lesion/s.

COR Analyzer Benefits in Clinical Practice

Challenged with doing cCTA in your Emergency Department?

The COR Analyzer provides an immediate preliminary report that distinguishes between “healthy” patients and patients with suspected significant coronary artery stenosis. You do not have to wait hours for the expert reader.

COR Analyzer helps to speed your decision making and to reduce observation time.



Remove from consideration for admission!



Accelerate diagnostic process!

Bothered with new cCTA studies on your screen?

With the COR Analyzer an immediate indication of “healthy” vs. suspected at risk coronary patients allows you to better plan your work.

COR Analyzer indicates where to invest your time...



Fast review of the COR Analyzer’s reporting and your work is done!



Accelerate your final diagnosis and reading accuracy. The COR Analyzer is your second read expert!



Having a hard time getting your cCTA program off the ground?

***COR Analyzer* is your resource to start or expand your cCTA program!**

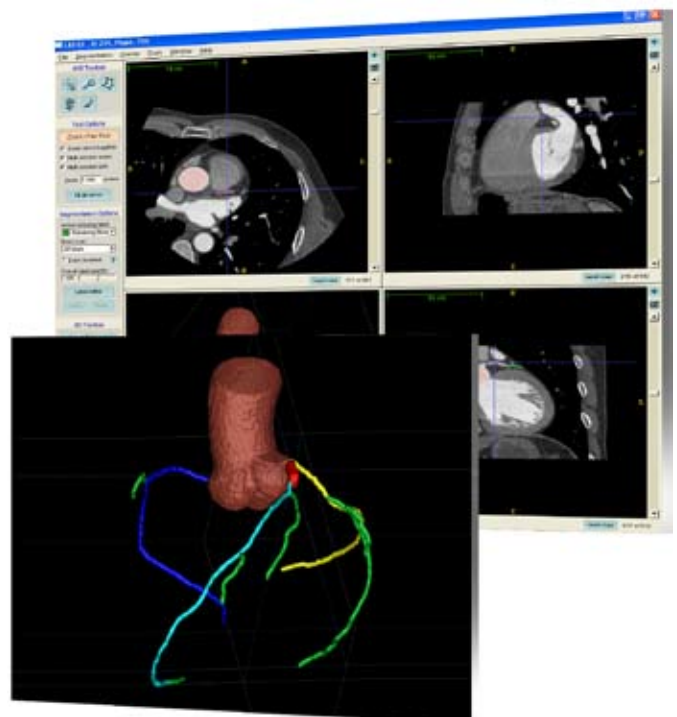
Clinical Workflow Integration and Reporting

The COR Analyzer operates seamlessly in the background while CT scans are processed as usual. Patient image data flows automatically from the acquisition station to the COR Analyzer while it is being sent to the primary CT processing and review workstation. The COR Analyzer automatically recognizes the CT data and launches a sophisticated analysis process, which provides both final patient results and a detailed visualization of the findings. For multiphase studies, the COR Analyzer automatically selects the best phase for each blood vessel and indicates which phase was used in the analysis.



The entire process requires no human intervention or deviation from standard protocols - it's all done in a shadow mode, without disrupting workflow. The results are displayed individually for each patient; a simple icon appears, indicating the analysis is complete and the results are displayed. Curved MPR images of major coronaries with marked lesions can be automatically sent to a PACS or other DICOM workstations as a secondary capture series.

The COR Analyzer also automatically reports all of the findings in the form of curved MPR images and a clinical summary. The report can be automatically sent to the physician's e-mail and/or blackberry/ iPhone.



Automatically generated, with
no human interaction

www.rcadia.com

COR Analyzer - Main Features (all automatic with no human interaction)

- Flags patients that are suspected of having significant lesions in coronary arteries
- Presents the findings by:
 - o Overlay coloring over the original cCTA image
 - o 3D presentation of the coronary tree and location of the suspected lesions
 - o Curved MPR views of analyzed arteries with marked lesions
- Generates a report with a summary of findings and curved MPR snapshots
- Exports results to a workstation/PACS
- Delivers the report by e-mail (cell phone)



*Rcadia Medical Imaging was AuntMinnie's selection for
Best New Radiology Vendor, 2009*

Rcadia Medical Imaging
2000 Commonwealth Ave.
Auburndale, MA 02466
Tel: 617-453-2064
Fax: 617-581-6108
E-mail: info@rcadia.com

Disclaimer

Rcadia Medical Imaging 2010 © All Rights Reserved. The contents of this document are the property of Rcadia Medical Imaging. No part of this document may be reproduced or transmitted in any form or by any means, except as permitted in written license agreement with Rcadia Medical Imaging. The information contained in this document is subject to change without notice, and does not represent a commitment on the part of Rcadia Medical Imaging

1.8-000-11004-01-00 June 2010