



# Lung VCAR

For lung nodule analysis - automatic visualization, measurement, reporting and follow-up

CT Scanning often is utilized as the exam of choice for intricate CT exams to visualize and analyze complex lung pathology. The detection of pulmonary nodules and assessment of their evolution with CT are of major importance in chest imaging.

## What's new

- Synchronized 2D, Digital Contrast Agent (DCA) and segmentation analysis.
- Automatic nodule visualization.
- Automatic nodule analysis (volume, doubling time, % growth).
- Automatic follow-up
- Customizable and interactive report



## Overview

Lung VCAR brings efficient CT pulmonary nodule assessment and diagnosis. The innovative Digital Contrast Agent (DCA) feature automatically visualizes lung nodules to help you confirm the presence or absence of suspicious lesions from 2 to 12 mm in size. Lung VCAR allows automated follow-up for lesion matching by the registration of two or more datasets, automatic lesion classification, and a customizable reporting tool.



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[www.gehealthcare.com/aw/applications/lung-vcar/](http://www.gehealthcare.com/aw/applications/lung-vcar/)



## Features

### Review

- Ability to synchronize multiple images for nodule comparison.
- Ability to review single or multiple exams and compare axial, sagittal, oblique, coronal, and volume-rendered images.
- Automatically propagates previous exam bookmarks to current exam.
- Automatically segments both right and left lung to reduce visual distraction.
- Digital Contrast Agent (DCA) automatically highlights spherical shapes to enhance visualization of suspicious nodules.

### Analysis

- Performs automatic segmentation of all nodule types.
- Provides automatic nodule analysis, including % growth, doubling time
- Automatic Nodule Contour to verify pixels within the volume

### Reporting

- Features a customizable, interactive patient reporting tool

## System requirements

- AW Workstation
- AW Server

## Indications for Use

Lung VCAR/ AdvantageALA is an image analysis software package for AW systems, which allows the user to study suspicious lesions within the lungs using CT helical- and axial-acquired images.

## Standards/Regulations

This product complies with the European CE marking regulation following Medical Devices Directive: Directive 93/42/EEC.



GE imagination at work