

## THE TECHNOLOGY

This technology involves computer-aided methods for the three-dimensional segmentation, analysis and diagnostic classification of small pulmonary nodules found in high-resolution computed tomography (CT) data. A particular aspect of this technology concerns the development of new quantitative size, growth, shape and density metrics that may be used for nodule characterization and differentiation of benign from malignant lesions. The technology can also be used to make and analyze volumetric measurements and changes in nodule size at different time points for the purpose of diagnosis and treatment.

Patents	US 7,274,810, US 8,165,385, US 8,045,770
Issued	Sep 25, 2007, Apr 24, 2012, Oct 25, 2011
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Licensee	GE Healthcare

## THE PRODUCT

## Lung VCAR

Lung VCAR brings efficient CT pulmonary nodule assessment and diagnosis. The innovative Digital Contrast Agent (DCA) feature automatically visualizes lung nodules to help doctors confirm the presence or absence of suspicious lesions from 2 to 12 mm in size and diagnose lung cancer. 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.

