Lung cancer screening (LCS) using low-dose computed tomography (LDCT) has been clinically-proven to reduce lung cancer mortality in individuals at high-risk for lung cancer.\(^1\) However, the implementation and ongoing management of an effective LCS program requires a comprehensive and well-integrated approach across the entire continuum of patient care.

Multi-slice CT (MSCT) is a useful tool in finding suspicious lesions earlier, but as the number of images per study continues to increase, the diligence required in finding small lung nodules among hundreds of CT image slices has become a growing challenge. Oversight of actionable lung nodules on CT images is always a risk, however, new, innovative tools are available to help manage this risk and improve your overall radiology workflow efficiency.

DynaCAD Lung is a vendor-neutral, medical imaging software system that provides fast, efficient viewing as well as quantification, manipulation, communication and reporting of multi-slice CT exams of the chest. Flexible report templates and automated image registration facilitate the synchronous display and navigation of multiple patient exams for initial review and easy follow-up comparison of current and prior study findings.

DynaCAD Lung also includes an integrated computer-aided detection (CAD) feature that serves as a “second pair of eyes,” assisting the reader in the detection of actionable lung nodules based on size, shape, density and anatomical context.

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**DynaCAD Lung Provides:**

- Optimized workflow for fast, efficient review & reporting of CT lung exams in a vendor-neutral environment
- Robust set of automated tools for retrieval and registration of prior exams and synchronous viewing & analysis of current/prior findings
- Integrated computer-aided detection (CAD) of suspicious lung nodules as a second reader for further review by a radiologist
- Data integration following the ACR Lung Imaging Data & Reporting System (Lung-RADS)
- Seamless integration into the Invivo Lung Cancer Screening patient data management system, DynaLync Lung
- Lung nodule reporting flexibility using both volumetric and/or diameter-based lung nodule measurements
- PowerScribe 360 Integration\(^*\)

* Requires version 2.5, 3.0 or 3.5 with the Data Integration Feature
* PowerScribe® is a registered trademark of Nuance Communications Inc. All rights reserved.

DynaCAD Lung reports capture structural characteristics of lung nodules and Lung-RADS score and provides Lung-RADS-based recommended follow-up actions. Clinicians have the option to capture additional study characteristics as well.

Invivo provides the option to export reports to PowerScribe® dictation software, save as PDF, and send a structured report back to PACS.

Annotate and record additional anatomical characteristics like emphysema and coronary artery calcification from study to study.

DynaCAD Lung offers flexibility of lung nodule measurement capture using average and equivalent diameters, nodule volume changes and nodule growth doubling times.
Invivo is Leading the Way in Lung Nodule Tracking

Tracking lung nodule growth is a crucial component of providing the best clinical decision making possible. The DynaCAD Lung temporal comparison feature displays a nodule/lesion over time and in all three planes.

This automatic feature, based on elastic 3D image registration, will help you determine nodule status and provide a doubling time based off of a change in volume or mass over time.

Invivo is Leading the Way in Lung Nodule Tracking

Paving the Way to Lung Cancer Screening

DynaLync Lung from Invivo is a software solution for integrated management of patient data associated with lung cancer screening (LCS) programs. Providing a workflow to consolidate and simplify the lung cancer screening patient cohort data, DynaLync Lung automatically captures the required fields for both CMS and the ACR LCSR registry. Invivo provides an end to end solution to meet virtually all of your lung cancer screening and patient data management needs.

For more information about DynaCAD Lung or any of the Clinical Solution products from Invivo, please call us at 1-800-INVIVO1, or visit our website at www.invivocorp.com