PenRad
Read. Report. Track. Manage.

PenLung™ - LDCT Lung Screening Management System

PenRad offers a comprehensive unified software solution to manage patients participating in the LDCT lung screening program for Radiology departments and/or Imaging facilities. In addition, PenLung provides automated web and tablet calculators to collect smoking and environmental risk history for patient eligibility.

Automated innovations facilitate various workflows and reporting options ranging from the gamut of nearly 50 separate finding profiles and the 30 LungRADS™ combinations, to the minimum basics for medical audit. As with "screening programs", automation, optimization and efficiency are key to success and financial reward.

The radiologist interprets study without any modification to workflow. The system obtains the narrative report via a commonly deployed HL7 message or from PACS to eliminate interface expense.

From the exam narrative, PenRad's AutoReader data extraction algorithm provides patient management for automatic letter generation for exam, recall and past due (paper or digital). Also tracks; abnormality findings, recommendations, pathology and stage, patient non-conformance for liability, and creates audit reports by radiologist. The nurse navigator lung tracking module tracks patients requiring extended care.

Key tracking components are automatically extracted with AutoReader. If mandatory items are not satisfied, staff reviews the report and completes tracking. Next, the exam letter is added to the distribution queue and the patient is added to the recall queue. Tracking items are then available for administrative reports for audit and data mining of; findings, outcomes, pathology, statistics, and patient conformance.

Recall letters are produced automatically 30 days prior to follow-up date, and patients not returning receive a past-due letter 30 days later. All patient letters are multi-language and customizable. Our email option reduces distribution expense.

Patients requiring advanced imaging, biopsy, short term imaging follow-up, or have other significant findings other than lung, reside on the unresolved queue for future exam resolution.

For facilities where volume is anticipated to be low, PenRad offers a budget-smart web solution, where patient demographics and key tracking information is manually entered and selected.

For facilities that have deployed a screening program and want to automate, PenLung can be populated with historical exams and tracking extraction can be applied as well.

For your initial marketing, PenLung can distribute services and screening benefit correspondence by prepopulating the database with a dataload of patient demographics, further refined by smoking history flag.

PenRad offers for no charge, just for the asking, a calculator for computing patient smoking pack history plus factoring any environmental exposure risks, and a laminated reference card to assist with ACR guidelines for the 50 abnormality types with the specified follow-up protocol, and the 30 LungRADS codes.

Interested in automating one of the next "screening" programs? PenRad's 20 years of experience in patient management, tracking and statistics in mammography has been applied to LDCT lung screening.