Computer Aided Detection (CAD) Study

Full Title
A Blinded, Randomized, Controlled Clinical Trial to Determine the Clinical Efficacy of Screening with Chest X-Ray and Interpretation using Computer Aided Detection (CAD).

Principal Investigator
Moulay Meziane, MD
216.636.1858

Contact Information
866.505.LUNG (5864)
eldda@ccf.org

Objective:
The primary aim of the study is to determine whether lung cancer screening with chest x-rays and computer aided (CAD) reduces the incidence of symptomatic advanced lung cancer compared to no screening in a high-risk population. A comparison of the frequency of advanced-stage cancers after screening, compared to no screening, allows us to assess the effect, if any, of screening on reducing the number of advanced-stage lung cancers.

Eligibility
1. Age 40-75
2. Have not received treatment for lung cancer in the past five years
3. Belong to one or more of the following categories:
   - A current or former smoker
   - Received a diagnosis of emphysema or Chronic Obstructive Pulmonary Disease (COPD)
   - Have a family member (parent, sibling or child) with a history of lung cancer