ACR Designated Lung Cancer Screening Center

Attestation Form

In addition to all of the requirements of the ACR CT accreditation program and accreditation in the chest module, facilities seeking designation as a lung cancer screening CT center must meet the additional requirements outlined here.

Recommended Screening Population

- Majority of patients screened are between the ages of 55 and 80
- Have a smoking history of 30 pack years
- If no longer smoking, stopped smoking in the past 15 years
- Screening should be discontinued once a person has not smoked for 15 years or develops a health problem that substantially limits life expectancy or the ability or willingness to have curative lung surgery.

Personnel Qualifications

- Lung cancer screening interpreting physicians all meet the following:
  - 200 chest CT cases in prior 36 months
- Medical physicists and radiologic technologists continue to meet the requirements of the CT accreditation program.

Follow up System

- Must use structured reporting system that includes management recommendations
- Screening facilities that elect to accept self-referral individuals must have procedures for referring them to a qualified health care provider if abnormal findings are present
- Follow the ACR Practice Parameter for Communication of Diagnostic Imaging Findings

Smoking Cessation

- A mechanism must be in place to refer patients for smoking cessation counseling or to provide smoking cessation materials.

Equipment

- CT equipment specifications and performance must meet state and federal requirements and applicable ACR Practice Parameters and Technical Standards.
- CT scanners used for the purpose of lung cancer screening are multidetector helical (spiral) CT scanners. (Non-helical and single detector CT scanners are not appropriate for lung cancer screening CT.)
Quality Control

- Maintain compliance with the quality control (QC) program as detailed in the ACR CT Quality Control Manual
- Recommend participation in the ACR Dose Index Registry

Imaging Protocol

- The facility shall submit an ACR Lung Cancer Screening Data Form with the parameters used for their specific CT lung cancer screening protocol for an average standard sized patient (5’7”, 154 lb)
- Radiation exposure levels should be consistent with lung screening protocols and not routine chest scans; the protocol shall have a CTDIvol of ≤ 3 mGy, for a standard size patient (5’7”, 154 lb, using 32 cm diameter CTDI phantom)
- Exposure values must be reduced for smaller sized patients and increased for larger sized patients using either manual methods (operator adjustment of technique via a technique chart) or automated methods (such as automatic tube current modulation and/or kV selection)

ACR CT Accreditation Dose Pass/Fail Criteria

<table>
<thead>
<tr>
<th>Examination</th>
<th>Pass / Fail Criteria</th>
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<tbody>
<tr>
<td>Lung Cancer Screening CT</td>
<td>≤ 3.0 mGy</td>
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The ACR-STR Practice Parameter for the Performance and Reporting of Lung Cancer Screening Thoracic Computed Tomography (CT) has been reviewed and will be followed as an effort to ensure that all aspects of lung cancer screening including interpretation, communication, continuum of care and documentation are practiced.

- Does the site participate in the ACR Dose Index Registry ___Yes ___No
  - If yes, please indicate the Dose Index Registry ID number ________________

The above obligations are agreed to and understood. Failure to abide by any of these conditions could result in suspension or revocation of the ACR Lung Cancer Screening Center designation. These obligations will survive the grant or denial of accreditation by the American College of Radiology.

Executed on __________________________  __________________________
Date                                           Signature of Supervising Radiologist/Lead Interpreting Physician

______________________________
Print Name of Supervising Radiologist/Lead Interpreting Physician