



Exam 7

Lung CT Alerts

Participant ID #: Acrostic:

Technician ID: Date: / /
Month Day Year

Scan Date: / /
Month Day Year

Read Date: / /
Month Day Year

CT performed

- Yes
- No

Contrast

- Yes
- No

Alerts

- None**
- Aortic aneurysm > 45 mm
- Dense aortic valve calcification (e.g. Calcification score > 500)
- Lung masses \geq 3 cm
- Pneumonia
- Large pericardial or pleural effusion
- Large perfusion defect (contrast study only)

Other findings

- None**
- Emphysema (moderate/severe)
- Non-water density lesions of the liver or spleen



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- We estimated that the participant is age 55 to 80 years with a 30 pack-year smoking history and has smoked cigarettes within the past 15 years and are therefore following USPTF/LungRADs recommendations:

Nodules:

LungRADS Category 1 (Negative. Follow-up: Recommend low-dose CT screening in 12 months):

- No lung nodules ≥ 4 mm
- Nodule(s) ≥ 4 mm with specific calcifications: complete, central, popcorn, concentric rings, and fat containing

LungRADS Category 2 (Benign appearance or behavior. Follow-up: Recommend low-dose CT screening in 12 months):

- Solid nodule(s) ≥ 4 mm to < 6 mm
- Part solid nodule ≥ 4 mm to < 6 mm on first scan
- Non-solid nodule(s) ≥ 4 mm to < 20 mm
- Non-solid nodule(s) ≥ 20 mm and unchanged or slow growing

LungRADS Category 3 (Probably Benign. Follow-up: Recommend low dose CT in 6 months):

- Solid nodule(s) ≥ 6 mm to < 8 mm on first scan
- Solid new nodule(s) ≥ 4 mm to < 6 mm
- Part solid nodule(s) ≥ 6 mm with solid component < 6 mm
- Part solid new nodule(s) ≥ 4 mm to < 6 mm
- Non-solid nodule(s) ≥ 20 mm on first CT, or new

LungRADS Category 4A (Suspicious. Follow-up: Recommend CT in 3 months), or PET/CT may be used if there is a solid component ≥ 8 mm):

- Solid nodule(s) ≥ 8 mm to < 15 mm on first scan
- Solid growing nodule(s) ≥ 4 mm to < 8 mm
- Solid new nodule(s) 6 to < 8 mm
- Part solid nodule(s) ≥ 6 mm with solid component ≥ 6 mm
- Part solid nodule(s) ≥ 6 mm with a new or growing < 4 mm solid component
- Endobronchial nodule

LungRADS Category 4B (Suspicious. Follow-up: Recommend CT, PET/CT and/or tissue sampling depending on the probability of malignancy and comorbidities):

- Solid nodule(s) ≥ 15 mm
- Solid new or growing nodule(s) ≥ 8 mm
- Part solid nodule(s) with solid component ≥ 8 mm
- Part solid nodule(s) with a new or growing ≥ 4 mm solid component



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We estimated that the participant does NOT meet USPTF criteria for lung cancer screening. Please complete the following:

Nodules:

- No non-calcified lung nodules(s) ≥ 8 mm, or stable nodules compared to a prior CT scan
 - Unremarkable.
- Non-calcified lung nodule(s) ≥ 8 mm, unless they have not increased compared to a prior CT scan
 - Suspicious. Follow-up: Recommend reviewing these results with your physician.

IF ANY ALERT FINDING, LUNG RADS 2-4, OR NODULE ≥ 8 mm, please provide brief text that describes the ALERT(S) and/or NODULE(S). Please provide text here if other important other finding:

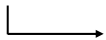
IF any ALERT(S) please contact the local field center PI or a MESA Lung PI within 24 hours.

MESA Lung PIs:

R. Graham Barr, MD DrPH: rgb9@cumc.columbia.edu, 212-305-4895 (w), 646-238-9165 (c)

Benjamin M Smith, MD MS: bs2723@cumc.columbia.edu, 514-616-5133 (c)

PI Notified



Name: _____

Date: / /

Month Day Year

Lung CT alerts form date: / /

Month Day Year