AI-Assisted Lung CT Analysis

Clinician Decision Support Report

e157c89c-7472-4b3e-8bca-b6e5a2e432c0
Scan Date: 2026-02-12
Patient: N/A (N/A, N/A yrs)

LUNG CONDITION SUMMARY

Overall Status:	AI-Analyzed	**Emphysema Score:**	0.0000
Fibrosis Score:	0.0000	**Consolidation Score:**	0.0000
Airway Wall:	Normal	**Processing Time:**	2.87 sec

DETECTED PULMONARY NODULES (0)

No nodules detected in this scan.

CLINICAL IMPRESSION

No significant nodules detected by AI analysis.

EXPLAINABILITY SUMMARY

No AI explainability visualizations were generated for this scan.

Visualizations available for 0/0 nodules.

⚕ **AI-Assisted Screening Notice:** This report was generated by automated AI analysis and is intended for decision support only. All findings must be validated by a qualified radiologist or physician. AI predictions are probabilistic and should not be used as the sole basis for clinical decisions.

AI-Assisted Clinical Discussion

Clinical Discussion: The AI-analyzed low-dose CT demonstrates no pulmonary nodules (total_nodules = 0) and no high-risk lesions. Consequently, the study is categorized as **Lung-RADS 1 (negative)**, indicating a negative screening examination with no findings requiring immediate intervention. Quantitative assessments reveal absent emphysema (score = 0.0), fibrosis (score = 0.0), and consolidation (score = 0.0), supporting an overall normal parenchymal appearance. Given the absence of nodules, there are no morphological features (size, shape, margin, calcification) to consider for a differential diagnosis, and no Fleischner Society–based surveillance is indicated for solid or subsolid nodules. In a patient undergoing routine lung-cancer screening, the standard recommendation is to continue **annual low-dose CT** per current screening protocols, unless clinical circumstances dictate otherwise. No uncertainty flags were generated by the AI;

however, any discordance between the AI output and the radiologist's visual assessment should prompt a manual review. AI-assisted analysis — clinical correlation required.

Generated by HealthATM AI (Groq/openai-gpt-oss-120b) — Clinical correlation required.