


VUNO Med[®] LungCT AI[™]

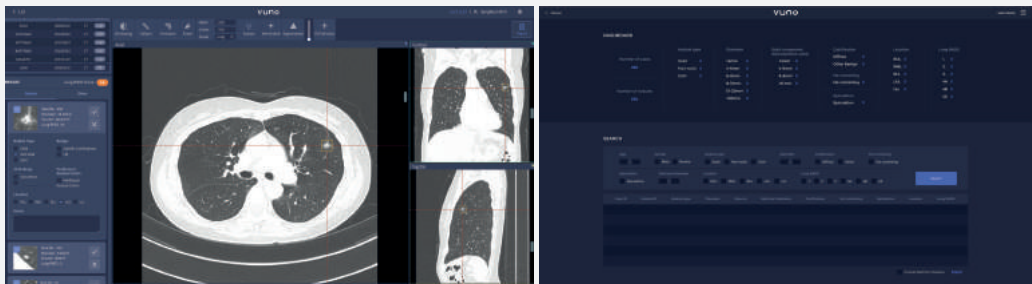
AI-BASED PULMONARY LUNG NODULE
DETECTION AND REPORTING SYSTEM

CE

 Ministry of Food and
Drug Safety

Key Features

- VUNO Med-LungCT AI accurately detects and quantifies pulmonary nodules. It automatically provides size, volume, nodule type, location, calcification, and spiculation.
- An automatic report based on the calculated Lung-RADS category is produced to assist in managing pulmonary nodules.
- VUNO Med-LungCT AI's follow-up registration and nodule matching improve the efficiency of comparing serial CT scans.
- Operation settings can be customized between sensitivity-oriented for high-risk patients and specificity-oriented for efficient screening.
- VUNO Med-RadLab features a search engine and dashboard of all the detected nodules and their characteristics as well as radiomic features.



[Product Screen]

[Research Platform]

Performance Validation

- VUNO Med-LungCT AI demonstrated >93% sensitivity at one false positive per CT scan.
- 100% sensitivity was shown for solid nodules as a result of the preliminary experiments and 97.3% sensitivity for ground-glass nodules.
- In another preliminary experiment, 3% of undetected pulmonary nodules were found in CT scans of 10,000 patients previously reported as normal and free of pulmonary nodules, demonstrating prospects for deploying VUNO Med-LungCT AI in screening centers.

