



## **σ-Discover**<sup>TM</sup> *Lung Nodule*



**Bring Deep Learning  
to Intelligent Medicine**

**AI-based  
lung cancer  
screening**



### **Advanced pulmonary nodule detection and analysis**

- ◆ High detection sensitivity (>97%) and specificity (FP<1.6/scan) for solid and subsolid nodules
- ◆ Accurate nodule localization, segmentation, and measurement
- ◆ Malignancy risk score predicted by AI: accuracy > 90%
- ◆ Automatic nodule tracking in follow-ups



### **Smart user experience**

- ◆ Seamless integration with radiologists' workflow
- ◆ Interactive tools to visualize, sort, add, remove, and modify nodule information
- ◆ 3D visualization of nodules, airways, pulmonary arteries and veins

Comprehensive  
nodule listing

AI-based  
malignancy score



On-screen display  
of nodule info

Customized  
reports



## Reliable assistant for radiologists and physicians

- ◆ Reading time reduction by 60%
- ◆ 50% less miss rate leading to lower reader variability
- ◆ Lung-RADS integrated in the structured report
- ◆ Standardized nodule management based on the Fleischner guidelines
- ◆ Automatic radiomics features for clinical research



## Embedded in a user-friendly platform

- ◆ Integrated in the Myrian® platform workspace



## Smart reporting

- ◆ Structured report including nodule list, screenshots, 2D/3D measurements, malignancy risk scores, and management recommendations
- ◆ One-click export to EMR/EHR systems
- ◆ Customized report for different clinical scenarios, such as screening and diagnosis

CE marking & FDA clearance  
in progress