



AMOLAB

NEW SOLUTIONS FOR DIAGNOSTIC IMAGING



SensUS Lung

The ultra portable device

The new frontier for automatic and non-invasive diagnosis of pulmonary diseases.

A quick, fully automatic, radiation-free, and highly reliable test to provide doctors with an immediate solution for the personalized management of patients with lung diseases.



SensUS Lung

A portable ultrasound device that allows a quick, non-invasive examination of the pulmonary health condition with real-time results. SensUS Lung, based on Lung 19 software, allows the automatic and quantitative identification of characteristic markers of pneumonia, indicating the severity level by calculating: Pneumonia Score® (Pneumonia); Covid Index® (Covid-19); Effusion Volume (Pleural effusion); Pleural Ratio (B-lines); Consolidation Volume (Consolidations); Pneumothorax Volume (Pneumothorax).



TRIAGE AND MANAGEMENT OF THE PATIENT

- 1 Ultrasound scan of the lung (up to 14 areas).
- 2 Automated image processing.
- 3 Area-by-area staging (Pneumonia score 0-4).
- 4 Automatic determination of the Covid Index (0-100%).
- 5 Real-time medical report.
- 6 Monitoring at customized intervals (follow-up).

IDENTIFICATION, STAGING AND MONITORING

- Radiation-free
- Light and portable
- Easy to disinfect
- Battery power supply
- Easy to use
- Compatible with telemedicine systems



Automatic
Analysis



Quick
Scan



Artificial
Intelligence



Diagnosis
Objectification



Immediate
Report



Portable
Solution

POSSIBILITIES TO PERFORM THE TEST

- Patient's home
- Ambulance
- Triage centres
- Hospitals

LUNG 19

- Software-guided scans
- Intuitive graphic interface
- Independent of the operator
- Quantitative indicators
- Immediate detection of pneumonia
- Accurate staging
- Short and long-term monitoring
- Effusion volume
- Consolidation volume
- Pleural ratio
- Pneumothorax volume

BENEFITS AND IMPACT

FOR PATIENTS

- Home-care ultrasound examination
- Patient follow-up enabled
- Quick and easy triage

FOR THE NATIONAL HEALTH SYSTEM

Easy, non-invasive ultrasound examination with immediate results. Ideal features to allow mass-screening. Low-cost instrumental examination with no need for experienced operators.

Software application that can be integrated with various clinical parameters.



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Amolab is an innovative SME, founded in Lecce in 2011 as a spin-off of the National Research Council (Italy), and specialises in research, development, design and production of revolutionary ultrasound devices for diagnostic imaging. Amolab mission for studying new solutions is confirmed by its registration in the special section of the most innovative companies list. The company holds several patents for industrial inventions in the medical device field and is rapidly expanding the business worldwide.

SensUS Lung

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Publications

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