What Veolity can do for you.

4. Guideline compliant reporting

veolity

Veolity supports the ACR Lung-RADS[®] reporting and management recommendations scheme as well as the guidelines of the British Thoracic Society (BTS), the British Columbia Lung Screening Protocol, and the PanCan Malignancy Risk Estimation model.

The report automatically summarizes findings of current and prior studies, shows crucial clinical indicators, and is finally sent to PACS or patient management systems.

5. Efficient workflow

Workflow is optimized for fast and efficient reading, streamlined for high-throughput scenarios such as screening.

The physician can concentrate on reading cases as all other data processing steps are automated.



Contact

MeVis

Medical

Solutions special-

izes in developing

software applica-

tions that combine

innovative medical

image processing

and workflow sup-

port, bringing the precision of scientific studies to

everyday work en-

vironment in hos-

pitals and medical

offices.

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6. Clinical integration

Being vendor-neutral, Veolity is easily integrated into the clinical network infrastructure: The client software runs on existing hardware, all processing (CAD, registrations etc.) is performed on the server, and cases are assigned to clients to spread the workload.



veolity

Improve your diagnostic quality and reading workflow



eolity

The reading software for your lung cancer screening program.

What Veolity can do for you.

Lung cancer

Lung cancer is the most common cancer worldwide and causes the most cancer deaths each year. 2.21 million new cases (11.4% of all cancer cases) occurred in 2020 worldwide with a mortality of 1.8 million (18% of all cancer deaths).¹

As small lung tumors are typically not causing pain or other discomfort, many patients present only when their condition is symptomatic, which means treatment has become difficult. It is essential to catch the disease at an early stage, when treatment is most effective.

Screening

Veolity enables

efficient, high-

throughput work-

flow for reading

chest CT studies

in lung cancer

screening pro-

grams.

In 2013, the USA implemented lung cancer screening programs with low-dose computed tomography (CT) as medical prevention among risk groups. Since then, other countries all over the world have started nationwide screening or regional programs.

For healthcare organizations, implementation of screening means that large amounts of medical imaging data must be acquired and read in a standardized and efficient way, ensuring high diagnostic precision.

Veolity

Veolity combines lung CAD for solid and subsolid pulmonary nodules, integration and automatic registration of prior studies, and efficiently creates clear reports. It improves workflow and enhances quality in lung diagnostics, especially in high-throughput environments, such as lung cancer screening programs.



Veolity highlights

1. Automatic follow-up comparison

Veolity provides instant comparison with follow-up cases. Prior findings are automatically mapped to the current exam. Image viewing



2. Automatic nodule segmentation

A simple double-click on a suspicious region automatically segments solid, part-solid, or non-solid nodules in a reproducible way, providing important information such as diameter and volume.



3. Fully integrated pulmonary nodule computer aided detection (CAD)



¹ Incidence/mortality data

Lam F, Ervik M, Ferlay J, Soerjomataram I, Mery L, Bray F GLOBOCAN 2020 v2.0, Cancer Today: Cancer Fact Sheets [Internet]. Lyon, France: International Agency for Research on Cancer, World Health Organization, The Global Cancer Observatory, Dec. 2020 Available from: https://gco.iarc.fr/today/data/factsheets/cancers/15-Lung-fact-sheet.pdf, accessed on January 10, 2023

Veolity LungRead is a licensable component of Veolity. This product might not be available in all countries.



between current and prior studies is always synchronized and changes in nodule size are calculated.

Integrated prior findings, linking prior and current case and objective measuring tools allow to produce precise reports efficiently.



Veolity automatically marks regions that are suggestive of pulmonary nodules, helping radiologists to quickly identify regions that demand further analysis.

Veolity brings regulatory approved CAD of lung nodules, registration of prior studies, and automated measuring of nodules into clinical routine.