

syngo.via

Similar Patient Search

VA20A



Artificial intelligence with Similar Patient Search

Artificial Intelligence enabled interactive search
for similar appearances in lung CT cases

syngo.via (Advanced Visualization)

Growing clinical demands have become routine for radiologists. To help you work faster, syngo.via Advanced Visualization unifies and centralizes intelligent tools in a powerful diagnostic workflow to make your routine tasks more convenient and efficient. Reduce complexity, increase productivity – and let our AI-powered applications help you advance digitalization in healthcare.



**Artificial
Intelligence**

Similar Patient Search (SPS)

Similar Patient Search¹ (SPS) WebService is a new functionality in syngo.via Advanced Visualization that provides an Artificial Intelligence driven similar pattern search for similar cases for Interstitial Lung Disease (ILD), including the known diagnosis of the similar case and up-to-date clinical reference content from Thieme eRef in order to enhance imaging diagnostics.



**Cloud
based**

A Region Of Interest (ROI) drawn by the user is compared to a reference database in the cloud providing anytime access to images with similar radiological characteristics and known diagnosis – completely automated.



**Patient
Database**

The curated database contains more than 18,000 annotations covering more than 75 interstitial lung diseases. Additional clinical textbook information relevant to the similar cases is provided from our partner Thieme eRef. The clinical reference content is directly embedded.



Thieme

Thieme eRef is an intelligent knowledge platform that provides digital access to the content of medical textbooks, an extensive image database and guidelines for physicians and medical practices.

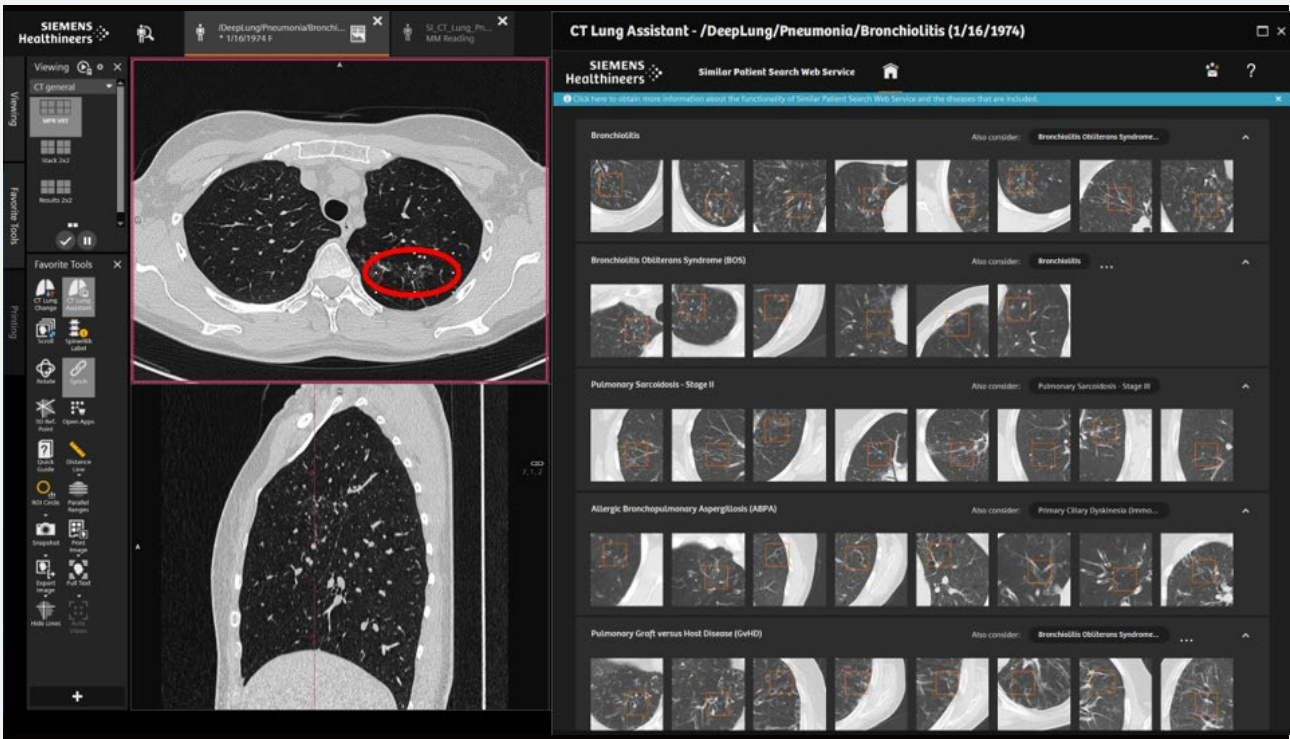
Download the free trial version² of Similar Patient Search for 90 days and test it as full version without any limitations via the Siemens Healthineers fully integrated Digital Marketplace, that allows access to innovative partner solutions, research prototypes and software from Siemens Healthineers.

¹syngo.via software version VB50 and the functionality „Similar Patient Search“ is not commercially available in all countries. Due to regulatory reasons its future availability cannot be guaranteed.

²syngo.via VB50B HF01

- AI-based diagnostic support with Similar Patient Search

- Anytime access to clinical information, references and proposals from Thieme eRef



Typical CT imaging characteristics are displayed

Tags: acute, subacute, chronic, bilateral, unilateral, focal, infectious

Cryptogenic Organising Pneumonia (COP) acute, subacute, unilateral, bilateral

- Predominantly peripheral and subpleural, less commonly peribronchovascular, consolidations, mostly multifocal and rarely solitary.
- Mostly with a positive air bronchogram.
- In general, poorly delimited and with surrounding frosted-glass opacities, sharply delimited at the fissure.

Support for Interstitial Lung Disease (ILD)



syngo.via can be used as a stand-alone device or together with a variety of *syngo.via*-based software options, which are medical devices in their own right. *syngo.via*, *syngo.via* OpenApps, the Digital Marketplace and the functionality Similar Patient Search are not yet commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed.

Please contact your local Siemens Healthineers organization for further information.

Siemens Healthineers Headquarters

Siemens Healthcare GmbH

Henkestr. 127

91052 Erlangen, Germany

Phone: +49 9131 84-0