AI-Rad Companion Chest CT

SIEMENS
Healthineers

Multi-organ AI-powered solutions that support the image-based clinical decision process

AI-powered radiology reading assistant

The AI-Rad Companion Chest CT helps radiologists interpret CT (computed tomography) images of the thorax more quickly and more precisely and reduces the time needed to document the findings with the help of automatic measurements. The AI-Rad Companion Chest CT is the first AI-based application in the new AI-Rad Companion family. It's vendor-neutral, which means that the software can evaluate image data from other CT system manufacturers. Based on AI-Rad Companion, Siemens Healthineers will be offering intelligent algorithms for more organs and radiological questions to help healthcare providers improve patient care through AI.

Enabled by the teamplay digital health platform and using state-of-the-art image processing algorithms supported by artificial intelligence, AI-Rad Companion Chest CT delivers value in three key areas:

1. Accelerated interpretation and workflow efficiency
2. Improved clinical outcomes and increased accuracy
3. Standardized results

Helping ease today's reading pain points

Radiologists today are dealing with an ever-increasing workload, more complex cases, higher expectations from hospital administrators and referring physicians, new regulatory requirements, lower reimbursements, and competition from predatory practices. For many radiologists, these forces are having a negative impact on their job satisfaction, their lifestyles, and the time they have available for consultation, teaching, and research.

Implementing and utilizing AI-Rad Companion Chest CT can support radiologists by helping them:

- Speed up their workflow: AI-Rad Companion Chest CT may help reduce the time needed for interpretation and reporting. It automatically performs measurements and prepares results for reports – helping radiologists manage their the workload with less effort.
- Increase precision: The AI-Rad Companion Chest CT may increase accuracy in interpretation and reporting. It automatically highlights abnormalities, characterizes anatomies, and measures both when they're relevant.

"When radiologists create a report, there's a variability of ten to 20 percent depending on the examiner. In an algorithm-based diagnosis, this variability is completely eliminated, and the results are very consistent. That alone is a huge advantage of AI platforms like the AI-Rad Companion."
Dr. Bram Stieltjes, University Hospital Basel, Basel, Switzerland

In many countries, the number of CT and MRI exams has exploded, but the number of experts hasn't grown proportionately. As a result, the workload per radiologist has increased dramatically. One-hundred studies per day and 12+ hour workdays aren't unusual. With this shorter turnaround time, the error rates are rising.[1]

Purchasing options

AI-Rad Companion is available as a trial license for 90 days. After the 90-day trial, the customer can purchase AI-Rad Companion using our subscription-based software as a service (SaaS) model. Installation and use of the teamplay digital health platform is a prerequisite for using AI-Rad Companion.

Next steps

↗ Contact us for more details or ↗ request a trial.

Courtesy of Klinikum Nürnberg, Nuremberg, Germany

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[1]*The Royal College of Radiologists. Clinical radiology, UK workforce census 2018 report. London: The Royal College of Radiologists, 2019.*

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