syngo.via

Integrated, AI-powered imaging software for multi-modality reading, advanced visualization, and streamlined reporting in radiology.

https://example.com/1762583716452

Overview

syngo.via is an intelligent, integrated imaging software solution developed by Siemens Healthineers to streamline reading, advanced visualization, and reporting processes in radiology and other clinical specialties. It unifies and centralizes intelligent tools in a powerful diagnostic workflow, helping to address the challenges of increasing data complexity and rising workload in radiology departments.

Key Capabilities and Features:

Multi-Modality Reading: The platform supports a complete suite of applications and tools for 2D, 3D, and 4D reading across all key modalities, including Computed Tomography (CT), Magnetic Resonance (MR), Positron Emission Tomography (PET/CT), Single-Photon Emission Computed Tomography (SPECT/CT), and Mammography.

AI-Powered Automation: It leverages a broad AI portfolio, including proprietary **Anatomic Landmarking and Parsing of Human Anatomy (ALPHA) technology**, which automatically recognizes anatomical landmarks, correlates studies, and aligns them for precise registration and easier evaluation. This automation eliminates many manual post-processing steps, allowing users to start reading right away and significantly increasing productivity.

Quantitative Reading: syngo.via delivers powerful quantitative reading functionality for critical areas like Oncology, Cardiology, and Neurology. For example, it supports reproducible PERCIST metrics for oncology, SUVratio calculations for neurology, and blood flow quantification for cardiology.

Open Platform (OpenApps): The solution provides open access to an ever-growing variety of clinical applications from Siemens Healthineers and its partners via **syngo.via OpenApps**. This allows for the extension and customization of reading and reporting capabilities within the secure syngo.via environment.

Workflow Integration: It is a client-server solution designed to integrate seamlessly into the hospital IT environment, orchestrating the imaging workflow from acquisition to reading and sharing. Cases are instantly available from virtually anywhere, including PACS and RIS, with prior studies automatically pre-fetched.

Target Users and Use Cases:

syngo.via is designed for radiologists, nuclear medicine physicians, cardiologists, and other clinicians in specialized practices to major research hospitals.

Oncology: Therapy response assessment (e.g., Deauville score, PERCIST metrics), tumor contouring, and follow-up comparisons.
Cardiology: CT CaScoring, vascular analysis, and blood flow assessment.
Neurology: Quantitative analysis of conditions like Parkinson's disease, epilepsy, and dementia using database comparison.
Interventional Imaging: Multi-lab image management, bringing diagnostic information directly into the interventional suite.

Key Features

- Multi-modality 2D/3D/4D reading (CT, MR, PET/CT, SPECT/CT)
- AI-powered automated post-processing (ALPHA technology)
- Quantitative reading for Oncology, Cardiology, and Neurology
- syngo.via OpenApps for third-party clinical applications
- Seamless PACS/RIS integration and pre-fetching of prior studies
- Advanced visualization (e.g., Cinematic VRT)
- Automated Case Preparation and Smart Layouts

Pricing

Model: subscription

Available via a flexible subscription model (syngo.via subscription) which includes transparent budget planning, flexible clinical package access, service, and training. No license limitations during peak hours. A free-of-charge version, syngo.via View&GO, is available with three free cases per day.

Target Company Size: small, medium, enterprise

Integrations

PACS (Picture Archiving and Communication System), RIS (Radiology Information System), Siemens Healthineers Digital Ecosystem Partners

Compliance & Certifications

FDA 510(k)