syngo.via for MI

Intelligent, multi-modality software for 3D reading, advanced visualization, and quantitative analysis of PET and SPECT cases in Molecular Imaging.

https://example.com/1762583716453

Overview

syngo.via for Molecular Imaging (MI) is a comprehensive, intelligent imaging software solution from Siemens Healthineers designed to address the challenges of interpreting, managing, and sharing the complex, high-volume data generated by modern PET and SPECT scanners. It integrates everything required to read, interpret, report, and share cases quickly and precisely on a single, multi-modality platform.

The software is built on a scalable client-server architecture, supporting environments from single-user workstations to multi-server hospital networks. It is a multi-modality reading solution, supporting PET/CT, SPECT/CT, SPECT, planar, CT, MR, mammography, angiography, and ultrasound exams.

Key Features and Capabilities:

Automation and Efficiency: Features like **Pre-fetching** automatically load prior examinations, and **Smart Layout** opens the appropriate application in the user's preferred display. Automated workflows can be created, saved, and replicated.
Intelligent Alignment: ALPHA Technology (Anatomic Landmarking and Parsing of Human Anatomy) automatically correlates studies based on individual organ recognition and aligns them for precise registration and easier evaluation.
Quantitative Analysis: Drives diagnostic clarity through unique MI algorithms that normalize quantification results. Supports reproducible metrics like **SUV** (Standardized Uptake Value), **PERCIST**, and **RECIST** for confident therapy response assessment. The **EQ•PET** feature harmonizes SUV measurements across different PET/CT scanners.
Findings Management: The **Findings Navigator** automatically stores and redisplays previous findings, reducing the time needed for pre- and post-therapy comparisons.
Reporting & Sharing: Offers disease-specific report templates and can distribute reports to PACS or send via an HL7 interface to an information system. Supports mobile viewing and portable USB technology for sharing.
Target Users and Use Cases:

syngo.via for MI is utilized by appropriately trained healthcare professionals, primarily radiologists, nuclear medicine physicians, and cardiologists.

Oncology: Comprehensive 360° view for treatment decisions, therapy response assessment, and tumor board presentation.
Cardiology: Supports reading of both SPECT and PET cardiac data, including the **MI Hybrid Coronary View** for fused VRT display of PET/SPECT with CT coronary angiography.
Neurology: Provides quantitative guidance for the assessment of diseases like Parkinson's and Alzheimer's by comparing patient exams against a population database of normal, healthy brains.
Radiation Therapy Planning: Quantitative segmentations can be exported for use in radiation therapy planning.

Key Features

- Multi-modality Fusion (PET/CT, SPECT/CT, MR)
- Quantitative Analysis (SUV, PERCIST, RECIST)
- ALPHA Technology (Automatic Alignment)
- Findings Navigator
- Automated Workflows (Pre-fetching, Smart Layout)
- EQ•PET (Scanner Harmonization)
- MI Hybrid Coronary View
- AI-enabled features

Pricing

Model: subscription

Subscription model with flexible clinical package access. A 90-day commitment-free trial is available for syngo.via OpenApps.

Target Company Size: enterprise

Integrations

DICOM, HL7, PACS, RIS

Compliance & Certifications

FDA 510(k), HIPAA