MIMcardiac

Specialized software for quick and effective quantitative analysis of cardiac PET and SPECT images, featuring automated segmentation and multi-modality fusion.

https://example.com/1762583716453

Overview

MIMcardiac is a specialized software solution from MIM Software (now a GE HealthCare Company) designed to deliver quick and effective quantitative analysis of cardiac PET and SPECT images, streamlining the diagnostic workflow for cardiologists and nuclear medicine professionals. The software is part of MIM's suite of vendor-neutral imaging solutions for complex clinical scenarios.

Key Features and Capabilities

Comprehensive Cardiac Analysis: Provides in-depth quantitative analysis for cardiac PET and SPECT studies, covering perfusion, function, and viability.

Automated Segmentation and Registration: Features robust image registration capabilities, including the HeartAlign™ landmark-based deformable registration method, and automated left ventricle segmentation to enhance the accuracy and efficiency of cardiac assessments.

Advanced Quantitation & Scoring: Offers automated tools for precise measurement and scoring, including automated perfusion and viability difference imaging, generation of polar plots (with 17, 19, and 20 segment models), reversibility, Z-score maps, and SSS/SRS/SDS scores.

Multi-Modality Fusion: Facilitates comprehensive patient assessment by allowing the correlation of CT and MRI data with PET/SPECT images, and automatic alignment of stress and rest images, as well as studies over time to track treatment response.

Secure Remote Access (MIM Zero Footprint™): Enables secure, browser-based access to cardiac exams from anywhere with an internet connection. This technology eliminates the need for local hosting, plugins, or VPNs for remote access and supports real-time collaboration.

Target Users and Use Cases

The software is primarily targeted at **cardiologists** and **nuclear medicine professionals** in hospitals, imaging centers, and research institutions. Primary use cases include:

Quantitative analysis of cardiac PET and SPECT images for diagnosis.
Streamlining the diagnostic workflow to improve efficiency.
Tracking and assessing patient treatment response over time through serial image alignment.
Anatomical correlation of functional PET/SPECT data with structural CCTA and MR images.

Key Features

- Quantitative Analysis for Cardiac PET/SPECT (Perfusion, Function, Viability)

- Automated Left Ventricle Segmentation

- Robust Deformable Image Registration (HeartAlign™)

- Multi-Modality Image Fusion (CT, MRI with PET/SPECT)

- Polar Plot Generation (17, 19, 20 segment models)

- SSS/SRS/SDS Scoring

- Secure Remote Access (MIM Zero Footprint™)

- Automated Stress/Rest Image Alignment

Pricing

Model: enterprise

Pricing is not publicly disclosed. Contact MIM Software or an authorized supplier for a quote. The product is sold under an enterprise license or subscription model.

Target Company Size: medium, enterprise

Integrations

OIS (Oncology Information Systems), DICOM/DICOM RT, Custom Algorithms (via API - Java/Matlab)

Compliance & Certifications

SOC2 Type 2, FDA 510(k)