



Proven Outcomes in Dynamic Image Management
syngo Dynamics

syngo Dynamics

syngo[®] Dynamics is a **multimodality, dynamic image review and archiving system** using evidence-based reporting to improve the efficiency of clinical procedures. It has made the digital laboratory a practical reality for hospital echocardiography, cathlabs, and ultrasound departments worldwide. syngo Dynamics offers **immediate access to cardiology and ultrasound imaging studies and reports** at diagnostic workstations and from anywhere in the hospital, including remote centers. The architecture of the syngo Dynamics network can effectively and seamlessly **integrate patient digital imaging information throughout the entire cardiology imaging department and the hospitalwide enterprise**, allowing clinicians, technologists, and administrative personnel to improve workflow efficiencies.

We see a way to reduce exam review and diagnosis time by up to 50%



reporting

syngo Dynamics introduces a new model for generating advanced evidence-based reports for cardiology, radiology, and obstetrics (MFM). The workflow-oriented features include improved reporting tools: "smart" auto-generated natural language text, easy insertion of measurement tables, quick generation of normal reports, custom bitmaps for letterhead, and clearly labeled preliminary reports.

Advanced reporting features include:

- Site customized worksheets that can be linked to reporting.
- Evidence-based reports generated from worksheet data.
- A quick "check box" interface for producing reports to minimize free-text entry.
- Customizable report formats including letterhead, data tables, font, and font size.
- Report templates that can be designed to follow reporting guidelines to assist customers in achieving accreditation.
- Improved report sign-off and authentication options to meet hospital guidelines for electronic signature and security.
- Report export to CD/DVD for referring physicians.
- Report export via PDF to CD/DVD with images for referring physician review.



Advance reporting features include:

	Cath	Echo	Vasc	Nuc	MFM
"All Calcs" page for viewing or creating any measurement available within the database	●	●	●	●	●
A "Study Calcs" page that is a summary of all measurements and calculations performed in the active patient study	●	●	●	●	●
User-definable historical data graphing	●	●	●	●	●
User definable calculations for quantifiable data (i.e. measurement normalization)		●	●		●
DICOM Structure Reporting enables measurement transfer from qualified acquisition equipment.		●	●		●
A new Vascular quantification package for dedicated reporting		●	●		
Advanced off-line echo support with integrated data for Quantitative Strain; ACQ and 4-D Cardiac		●	●		
Integration of discrete data elements from Axiom Sensis onto reports	●				
Support for multiple fetus handling and growth curves on reports					●

hospitalwide integration



It's all about getting the right information into the hands of the physicians and clinicians who will provide care for the patient. *syngo Dynamics* supports DICOM modalities from ultrasound, radiology, and cardiology imaging systems to provide a more complete imaging record. Our latest release now supports DICOM Structured Reporting (SR) for qualified acquisition systems. DICOM SR provides the most robust interface to the imaging modalities generating the studies and data from the patient. Once the report is complete, *syngo Dynamics* provides the capability to move the data in a variety of formats. Improved ability to export reports to HIS/RIS/CIS and other third-party systems adds key functionality to the new reporting system.

integration & interfacing

In addition to image data, demographic data from the patient and the observations and results from reports need to populate the systems within a facility. To ensure data integrity and rapid results distribution, *syngo* Dynamics supports interfacing with hospital and clinical information systems. Options include interface engines, brokers, and report upload.

For even wider accessibility, the Siemens solution provides direct, secure, and cost-effective access to DICOM images and reports via secure Internet and your facility's intranet. This simplifies conferencing and interactive presentations, allowing discussions among multiple viewers without film or paper.

syngo Dynamics further leverages your existing investments by providing interoperability in an enterprise PACS configuration with select Radiology PACS solutions. This configuration allows archiving to the PACS with image sharing and review without larger investments in archive hardware.

For the complete cardiology workflow, *syngo* Dynamics interfaces to Cardiology Information Systems, providing robust image management and reporting functions. The data collected and observations generated can be distributed to information systems, portals and fax destinations ensuring data integrity and supporting a complete patient record.

security features

syngo Dynamics optional security features can help your site develop policies to comply with privacy and security regulations for controlling access to Protected Health Information (PHI). The *syngo* Dynamics Privacy and Security Package activates the following features:

- Audit logging.
- Emergency user access.
- Single logon from Windows directly to *syngo* Dynamics in High Security mode.
- Auto logoff in High Security Mode.
- Administrator-defined levels of study access.





building on experience

syngo Dynamics continues to improve the image management process established through KinetDx™ by providing enhanced image presentation, measurement tools, clip playback, dynamic cathlab images, and data flow from acquisition devices. Now, we have included a comprehensive reporting package and system integration that makes a complete diagnostic package. *syngo* Dynamics has evolved into a product that gives you the best of both worlds: workflow customized for your laboratory needs and connectivity with hospital systems.

For more information, contact Siemens.

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 **Proven Outcomes.** This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting, and services. In a way that only Siemens can.

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