

### Advanced and efficient image analysis with *syngo.via*

**Siemens unveils new software at RSNA 2009 to improve workflow efficiency and diagnostic confidence**

At this year's Radiological Society of North America (RSNA), Siemens has introduced *syngo*<sup>®</sup>.via, its latest software application for reading clinical images across modalities. Based on client-server technology, it is designed to increase reading efficiency. The automated case preparation and structured case navigation features of *syngo.via* are compatible across multiple specialties including cardiology, oncology and neurology. *syngo.via* also uniquely integrates imaging devices and IT, such as Siemens MRI, CT, and PET•CT scanners with its new Picture Archiving and Communication System (PACS), *syngo*<sup>®</sup>.plaza.

*syngo.via* enables physicians to access and use cutting-edge advanced visualisation tools across the clinical spectrum to improve workflow efficiency and diagnostic confidence. Its Automated Case Preparation feature automatically loads images into the appropriate application and sorts them into the corresponding layout, pre-processed according to disease-specific requirements. This eliminates the need to manually choose the application, load data and select the corresponding layouts. For example, when calling up a cardiac CT case, *syngo.via* selects a suitable cardiac application, automatically removes the blood pool and ribs, selects an appropriate cardiac phase and displays the images in the corresponding layout for immediate review. This frees up time for physicians to focus on image reading and diagnosis.

Its Case Navigator function assists with structured workflow by categorising various workflow steps and aligning the proper images to each corresponding step. In an MRI whole-body case, the image

series is automatically structured into layouts and workflow steps and sorted according to body regions, reducing the physician's need to search and sort data. During the reading process, findings and measurements can also be tracked and listed with the Findings Navigator for recalling various results with just one click. The software then automatically integrates the finding into a tailored and context-specific report, enabling users to access and share images and results quickly.

*syngo.via* has been designed to integrate with the existing PACS and Radiology Information Systems of all major vendors. Furthermore, in conjunction with Siemens' *syngo.plaza*, images do not need to be sent additionally from the imaging device as *syngo.plaza* drives the entire image routing process. Through no-click integration, images are auto-routed and available on *syngo.via*, allowing users fast access to images and the appropriate applications. Combined with a unified user interface, clinicians can select and use different applications to speed up reading. Image results can also be accessed through web portals so that referring physicians can view images and results anywhere.

"*syngo.via* has been designed to transform the clinical image reading process, enabling total efficiency and ease-of-use," said Ronan Kirby, IKM Business Manager at Siemens Healthcare. "Intuitive and fast, this solution has the capacity to reduce manual and time-consuming steps, offering fast, accessible results that can be used to meet the individual needs of the operator."

With a Siemens service agreement, the core functionality and clinical applications of *syngo.via* can be kept up-to-date through ongoing enhancements. These are easily available and delivered through a secure remote infrastructure. Siemens also provides each institution with a dedicated contact person who provides up to 24/7 remote support for technical service and application topics. By encompassing software maintenance and support, the service agreement provides transparency of service costs for total cost of ownership.

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### **About Siemens Healthcare**

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2009 (to September 30), the Sector posted revenue of 11.9 billion euros and profit of around 1.5 billion euros.  
For further information please visit: [www.siemens.com/healthcare](http://www.siemens.com/healthcare).

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**Picture caption:** At this year's RSNA, Siemens has introduced *syngo*<sup>®</sup>.via, its latest software application for reading clinical images across modalities.

