



Customer Information

Update to software version *syngo.via* VB40B_HF03

Dear *syngo.via* customer,

We would like to inform you about the latest software change for *syngo.via* which is now available. The purpose of this letter is to raise your awareness of the importance of this update and inform you about the content of this package.

The installation of this update is recommended in order to ensure proper functioning of your system.

Software update / upgrade version:
VB40B_HF03

Change References:
SY073-20-P

Affected systems:
Affected are all systems with VB40 expected that the contractual relations are fulfilled.

Reason for Update:
Bug fixing and feature improvements.

Content of Update

syngo.via VB40B_HF03 intends to solve the following issues:

syngo.via general

1. In former versions sporadically an unexpected error message was shown when selecting parallel ranges in MM Reading. The workflow was closed immediately.
2. In previous software versions if the series description contains the term 'BLOC', it was wrongly considered as localizer and all labels were displayed for localizer images. With VB40B_HF03 the condition has been changed to 'LOC'.
3. When user tried to change the patient position in MR images, the change updated the correct DICOM attributes for orientation information in single-frame images but not in multi-frame images. As a fast fix the correction of patient position in MR images, will be allowed only for single-frame images and will be disabled for multi-frame images.
4. In MM Reading, Parallel Ranges: "Head / Neck", "A. Carotis Bifurcation R ParaSag" preset failed and user needed to do manual adjustment for parallel ranges creation.
5. In former versions sporadically user could not open a study using image call-up because of a time-out.
6. MR Basic / MM Reading: Sporadically "Auto Spine Labeling" failed with displaying error message to user when opening MM Reading and invoking Spine / Rib label from top right corner menu.
7. MM Reading: Creating the first object in the Anatomy Visualizer the image matrix was 512x512. Adding another object with the exact same steps result in an image matrix of 512x587.
8. CT Coronary: Sporadically the Anatomy visualizer Undo function partially deletes previously grown segmentations.
9. MM Reading: Auto Routing of Rapid Results series was not possible when the data set contains configured string value in the auto route rule in the second row of the image comments tag.
10. In MM Oncology corresponding slice number of an MPR axial visualization was not visualized for certain specific datasets.
11. With VB40B_HF02 retrieve was not possible from Intelrad PACS when multiple studies or multiple series are selected.
12. Sporadically an error message was displayed when opening a CT DE + Vascular workflow for the first time. After cancelling and re-assigning, the workflow could be opened.
13. LungCAD: One or more processing results are not available due to pre-processing failure.
14. MR Workflows: With former versions of VB40, results created in *syngo.via* were not being sent to the PACS automatically but created as MR instances. Evidence Documents (SR Objects) were archived correctly.
15. The snapshots in the reporting template were displayed in wrong order.
16. When enabling the Color Presentation State Feature, a banner 'Not for clinical use' is now shown correctly to the user.
17. Workflow / Taskflow:
 - a. State stays "Saving" which blocks the LCM restart during night. Solved by adding a timeout to overcome this issue
 - b. If the Taskflow assignment failed the logic repeated trying to assign the taskflow. This behavior has been changed to avoid workflows staying in the state "Scheduled".
 - c. Sporadically workflows stay in state 'Scheduled' indefinitely. To solve this issue a time-out has been introduced.
 - d. Introduced log-improvements to improve root cause analyses in future.

18. In the *syngo.via* report template Dose information from a DICOM Dose SR can be used to communicate Dose information within the report. Former implementation displays only the accumulated dose information (DLP) but no other information that is provided by the DICOM Dose SR from the scanner, like CTDIvol, and kV. Additionally, the Dose information per acquisition was ignored by the software and therefore was not displayed in the report. Now a detailed list of dose information of each acquisition, all perfumed scanning procedures and all processing result series are available. The report displayed only performed procedure steps, by displaying series descriptions but it includes only series created at scanner and in case of MR, only if the phoenix document was sent to *syngo.via*.

***syngo.via* CT Applications**

1. MM Reading: Enhanced CT Image Storage series could not be displayed in 3D Format. 3D images were not displayed when enhanced CT images from other vendors were loaded into MM Reading
2. CT Cardiac Function: Heart PBV series were not generated in the Series panel when a data set with Dual Energy mixed images series was loaded into the CT Cardiac Function.
3. CT Cardiac Function: A general error was displayed when workflow was opened for a specific study. The problem characterization was not possible.
4. CT Dual Energy: SPP series were not created for all datasets in study. SPP was only generated for the first pair of low and high data sets if different pairs of low and high data sets belonging to the same study were imported to *syngo.via* sequentially.
5. CT Dual Energy: Data set remained in the scheduled state and a general error message is displayed when user opened a scanned TwinBeam data set in the MM Oncology + CT Bone workflow. A black segment was displayed when operator tried switching to the CT Dual Energy workflow.
6. CT Dual Energy: Fused MIP Thin images were displayed by default when a Thorax data set with the Lung Analysis application class to create a range is loaded. Windowing changes were not reflected as the range showed fused MPR images.
7. CT Vascular Analysis: An error message was displayed after loading a non-square axial data set containing more rows than columns to the CT Vascular workflow.
8. CT Vascular Analysis: Bone Removal Auto did not work when a data set with prosthesis is loaded. In addition, parts of the prosthesis were still displayed in the VRT segment. Parts of the prosthesis were still displayed when the bones were manually edited by clicking the Edit Bones icon.
9. CT Neuro Perfusion: The workflow did not finish when no result was hooked for archiving in the CT Perfusion Configuration dialog box.
10. CT Extended Functionality: With *syngo.via* VB40 or previous versions, an error occurred when generated Inline results from a Siemens VA40 scanner was opened in the MM Reading workflow and not possible to continue the workflow.

***syngo.via* MR Applications**

1. MR General – Query / Retrieve: Retrieve job stuck “in progress status” when retrieving certain data sets from GE PACS, due to missing private DICOM attributes. Retrieving works properly now.
2. MR General: Results are not automatically sent to the PACS when completing Workflow. This was due to archiving flags not being set by the system. The archiving flags are set, and the results can be sent automatically to PACS.
3. MR General: Bad image quality of the snapshot image quality of Cinematic VRT with lower resolution. The snapshot image quality of Cinematic VRT with lower resolution is improved.
4. MR Basic: Workflow issue resulting in images not loading successfully.
5. MR Basic: In the series navigator and in the segment the b value was removed from the series name. There for the user could not identify which b value was displayed.
6. MR General: Mean Curve results are saved into two separate series. Since VB40 two data roles / series are created for Mean Curve Results. Now the results are saved in one series.
7. MR Data Mapper: When loading patient data containing dynamic series, the original and MOCO, an error message was displayed, and no images were loaded.
8. MR Cardiac Analysis: With cine sequences the created measurements were overlapping in the snapshot. The snapshots are not overlapping anymore.
9. MR Cardiac Analysis: Result LV function graph contained an object that violates DICOM standard. These result series cannot be sent to PACS
10. MR Cardiac Analysis: Sporadically Auto Segmentation got stuck and no images were load.
11. MR Neuro 3D: Parallel range series created in Export step were not exported to PACS or exported only partially.
12. MR Neuro 3D: In the Tractography step no color legend was displayed if no fMRI series were loaded.
13. MR Neurology: Sporadically two sets of motion corrected series are created during preprocessing, one is incomplete.
14. MR Prostate PI-RADS 2 Report: Report is displaying the prostate volume duplicated, and the user was not able to edit the section / report.

***syngo.via* RO MM RT Image Suite**

1. When the user created a structure set using Treatment Planning System and loaded in the MM RT Image Suite, the structure set was not displayed as DICOM tag "schema version" was interpreted as mandatory.
2. When the user drew a contour using the Dynamic Nudge tool, the structure was dragged when the mouse pointer got moved away from the segment.

syngo.via MI Applications

1. MM Oncology: Incorrect Imaging Delay value PET/MRI studies with Cu as Radiopharmaceutical. The imaging delay shown in the Series Details dialog and Image Text have been underestimated for scans acquired more than 24 hours post-injection, i.e., for long-lived isotopes.
2. MM Oncology: When scrolling in PET only or fused (PET/CT) segments, the image number (IMA) may occasionally not correctly reflect the actual image shown. IMA Number was occasionally not updated during scrolling.
3. MM Oncology: PET data acquired with a Siemens Biograph 6.7.4 did occasionally split the PET AC and NAC into separate acquisition bundles within *syngo.via*, resulting in the two series appearing separately in the Series Navigator.
4. MM Oncology: The spine and rib labels were not shown when Hide Graphics was active in MI General.
5. MM Oncology + CT Bone: Data acquired using twin beam dual energy on a Siemens GO.top CT could not be opened with *syngo.via*.
6. In MM Oncology fused images of PET Colina Dynamic, could not be printed. An error message might have been shown when sending fused images to print.
7. US only: In MI Cardiology an exception has been observed when launching 3rd party applications on Windows 10 machines with FIPS (Federal Information Processing Standard) enabled

Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com
