syngo.via

Release Information – *syngo*.MI General VB60

SIEMENS Healthineers

Legend

	Indicates a hint Is used to provide information on how to avoid operating errors or information emphasizing important details
	Indicates the solution of a problem Is used to provide troubleshooting information or answers to frequently asked questions
■	Indicates a list item
✓	Indicates a prerequisite Is used for a condition that has to be fulfilled before starting a particular operation
◆	Indicates a one-step operation
1 2 3	Indicates steps within operating sequences
Italic	Is used for references and for table or figure titles
➔	Is used to identify a link to related information as well as previous or next steps
Bold	Is used to identify window titles, menu items, function names, buttons, and keys, for example, the Save button Is used for on-screen output of the system including code-related elements or commands
Orange	Is used to emphasize particularly important sections of the text
`Courier`	Is used to identify inputs you need to provide
Menu > Menu Item	Is used for the navigation to a certain submenu entry
<variable>	Is used to identify variables or parameters, for example, within a string

⚠ CAUTION	CAUTION Used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury or material damage. CAUTION consists of the following elements: • Information about the nature of a hazardous situation • Consequences of not avoiding a hazardous situation • Methods of avoiding a hazardous situation
⚠ WARNING	WARNING Indicates a hazardous situation which, if not avoided, could result in death or serious injury. WARNING consists of the following elements: • Information about the nature of a hazardous situation • Consequences of not avoiding a hazardous situation • Methods of avoiding a hazardous situation

1 Release Information

Welcome to *syngo*.MI General.

We would appreciate your feedback regarding this software version. If you have any suggestions for future improvements, please forward them to your local Siemens representative.

Thank you for placing your trust in us. We wish you success using your *syngo*.MI General VB60.

1.1 Scope

For the following listed medical devices, you can find useful hints in this Release Information:

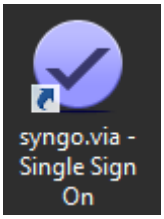
- MI General

For more information on using MI General, please see the Online Help, available in the *syngo*.via system or the printed Operator manual available with the system.

1.2 Starting *syngo*.via and logging on

As a new user, ask your administrator for a password. Normally, this password is provided to you only once and must not be changed. Handle your password carefully.

syngo.via also supports a single sign-on login. After Windows logon, you can start *syngo*.via by double-clicking the **syngo.via - Single Sign On** icon. Ask your administrator to establish single sign-on.



When *syngo*.via is integrated with a RIS or PACS, it can also be started in the RIS or PACS. You do not need to log on separately.

1 Start the computer and log on with your Windows account.

2 Double-click the **syngo.via** icon on your desktop.

The **syngo.via Logon** dialog box opens.

You might have to acknowledge that you trust the application and allow the installation of the SSL server certificate offered by the application.

3 Enter your **User Name** and **Password**. Note that the password is case-sensitive.

4 You might have to select a **Domain**. After initial log-on, the domain is remembered by the system.

5 Click **OK** to confirm.

1.3 Accessing electronic documentation

Please note that *syngo*.via includes several documentation modules. Consult the information given in other Operator Manuals, Instructions for Use, and the Online Help.

All steps and/or workflows may include safety information that must be adhered to.

Not observing the Operator Manuals of the software and its applications could result in using the wrong basis for diagnosis.

The Operator Manual for your medical device is part of your software application and is available electronically. This information is provided in an online PDF file or contextually via the Online Help. The scope of information depends on your licenses.

Basic information is also provided in the printed *syngo*.via Basic Operator Manual. Last minute information is provided in the printed Release Information.

- To quickly access the **Online Help**, follow the link in an extended tooltip, press the **F1** key, or click the **Question Mark** icon in the Access Bar.

  – or –

  To view the **PDF** file, open the **Library** section of the Online Help Portal.

The graphics, figures, and medical images used in the documentation are examples only. Their actual display and design may be slightly different on your system.

This description addresses to the authorized user. Basic knowledge about operating PCs and software is a prerequisite.

1.4 Accessing documentation on the Internet

The documentation for your application is electronically available on the Internet.

✓ You need to know the name and version of your medical device to select the correct documentation.

1 In a browser window, enter the following URL:

   http://www.siemens.com/MedImaging-Manuals

   If you visit this site for the first time, you will need to register and apply for an account.

2 Follow the instructions given on the home page. After logging on, you can find further support in the Imaging & Therapy Document Library help.

3 Search and filter for the required document.

2 Known issues

This section describes the restrictions of *syngo*.MI General that are known for *syngo*.via VB60.

2.1 Limitation on exporting and importing data

If you transfer a 3D application series to syngo.via, the series format is modified upon import. Once this has occurred, the 3D application series cannot be used to create a new reconstruction if reimported to the system.

2.2 MI General

2.2.1 Display of PET/MR data

Anatomical and fused segments in factory layouts may initially appear blank upon loading hybrid PET/MR acquisitions (e.g. mMR).

Workaround: Drag and drop the desired MR series onto the blank anatomical segment (e.g. Current.AQ1:A1).

2.2.2 Reference Lines - Tilt caused by drag and drop

When you perform a drag-and-drop operation to replace data within the layout, the reference lines may be tilted in some cases.

Workaround: Apply **Reset position in all segments** from the **Orientation cube** menu. This will reset all segments to the original orientations, showing the correct reference lines being orthogonally oriented to the segment's wall.

2.2.3 Reference Lines - Tilt after applying AC-PC orientation

In some cases, after you apply AC-PC orientation from certain orientation (Axial, Coronal or Sagittal), the reference lines may be tilted.

Workaround: Apply AC-PC orientation from a segment using a different orientation.

2.2.4 Snap Reference Lines Back - Orthogonal orientation

Before starting use of **Snap Reference Lines Back** functionality, if the starting position of reference lines is not orthogonal to the segment's wall, the reference lines revert to that starting position.

Workaround: Apply **Reset position in all segments** from the **Orientation cube** menu. This will reset all segments to the original orientations, showing the correct reference lines being orthogonally oriented to the segment's wall.

2.2.5 Volume stripe layouts - Synchronization issue

For dual-monitor Volume stripe layouts, there is no synchronization of monitor orientations. When the user changes orientation on one monitor (e.g. using AC-PC orientation functionality or Snap Back functionality), the second monitor is not affected by that change.

Workaround: Change the orientation for each screen separately.

2.2.6 Reference Lines - Upside down images

In some cases for dual monitor setup and Volume stripe layout display, during interaction with reference lines, random movements of reference lines in other segments are observed and images are not displayed correctly. In some cases, they even disappear from the segments or flip after the reference lines are moved. This is observed only when **Lock Reference Lines** in the top left corner menu is active.

Workaround: Select **Reset position in all segments** option from the **Orientation cube** menu to restore the initial orientation.

2.2.7 User Registration

In some cases, the saved manual registration within the registration mini toolbar is not seen after switching the layout. The system default registration is applied instead.

Workaround: Update the registration manually again using the **Visual Alignment** tool.

2.2.8 Restriction when trying to move Private layout (with a combination of Volume Stripe) into Public layout section

An exception occurs when you try to access the Volume Stripe layout in the Private layout created by another user.

Workaround: Create your own Private layouts.

2.2.9 Issues within Volume Stripe layout after grouping and ungrouping time points

The Volume Stripe layout displays blank segments when you group the studies in any other layout and then switch back to Volume Stripe layout.

2.2.10 LUT and Windowing synchronization is breaking for the newly added volume if added after changing the zoom synchronization

When you launch a dataset, switch to **Fused Axial 3x2 + Volume Stripe + Movie** layout, establish the Zoom synchronization across all the slots in the Volume Stripe layout and add a SPECT data as slot C, then the LUT and Windowing Synchronization is broken for the newly added slot C.

Workaround: Establish LUT and Windowing manually for the newly added slot.

2.2.11 Slot is getting removed in Volume stripe layouts when dragging data from Patient browser

When you launch a dataset in Volume stripe layout and then drag and drop data into the layout at a later time, one of the slots gets removed from the layout.

2.2.12 Windowing, LUT and zoom synchronization is broken on drag and drop of prior series

Launch the applicable data set. Then, select **Synch** for **Windowing**, **LUT** and **Zoom**. Switch to any of the Hybrid 2TP or Compare layouts. Save or complete the workflow. When you re-open the workflow and drag and drop or add a prior series into the layout, the windowing, LUT and zoom synchronization is broken in the prior segments.

The synchronization might also be broken in layouts that have empty segments where prior series can be loaded (for example, **Fused 2x3**, **Fused 2x3 + Volume stripe**, **Hybrid 3x3**).

Workaround: Select the prior segments and apply windowing, LUT and zoom synchronization manually.

2.2.13 Minimum Monitor Resolution for MI Organ Processing

Minimum monitor resolution is 1920 x 1080. For lower monitor resolutions and portrait monitors there may be scrollbars for the workflow template window, when you open MI Organ Processing.

Workaround: Use a monitor with at least 1920 x 1080 resolution.

2.2.14 Unsupported data in MI Organ Processing

If data that is not supported by MI Organ Processing is loaded into a workflow, a message may be displayed in the **Data Selector** activity stating that the operation failed and the workflow should be closed.

Workaround: Confirm the message by selecting **OK** to continue to use the workflow.

2.2.15 Adding a new workflow template category

When a new MI Organ Processing category is added, it will initially appear as the last category (above **All** category) even if it was configured to have a different place in the category list.

Workaround: Close the MI General taskflow and then open the MI General taskflow again. The new category will appear in the configured order.

2.2.16 Background region not displayed in MI General workflow

The following issues are observed when you create ROIs in Organ Processing activities and view them in the MI General workflow:

- The ROIs are not displayed in the MI General workflow if ROIs are generated by the “Automatic” or “Semiautomatic” ROI creation method.
- The background ROIs are not visible in the MI General workflow even if the ROIs are created by the “Manual” ROI creation method.

Workaround: Review the background regions on a save screen or load the data in the MI Organ Processing **Display** workflow template.

2.2.17 ROIs created in Organ Processing are not visible on results series when displayed in other layouts

When a Results Series, including ROIs, is generated in an Organ Processing workflow and is then displayed in another layout after completion of the Organ Processing workflow, the ROIs may not be visible.

Workaround: Choose **Hide Color Bar** from the **Tools Gallery**, ROIs should then be visible.

2.2.18 Renaming Layouts in the Public Layout Gallery causes an exception

Renaming layouts in the public **Layout Gallery** causes an exception.

Workaround: Avoid renaming public layouts.

2.2.19 Parallel ranges layout does not show NM color LUT and preset options in the corner menu

When the **Parallel Ranges** tool is invoked, data is sent to a dedicated layout so that the ranges can be configured. In this layout, certain corner menu items such as LUT and windowing presets may not be shown.

Workaround: Make sure that the desired LUT and windowing is applied before invoking the parallel ranges tool.

2.2.20 Drag and Drop of another series to MIP segment, and selection of 'Fuse as Base' or ‘Fuse as Overlay’ option may produce unexpected results

If data is dragged and dropped from the **Series Navigator** to the functional **MIP** or **VRT/MIP** segment in a fused layout using a right-click drag-and-drop operation with the **Fuse as Base** or **Fuse as Overlay** options, the resulting fused images may not be as expected.

Workaround: Choose an alternate layout with desired filters.

2.2.21 Findings and Reports created prior to VB50 are not fully compatible with newer applications

Findings created in VB40 or earlier versions may be displayed in the **Findings** panel but not all expected functionality (for example, navigation) will be supported. Current report will not display older findings.

Workaround: Create and save the findings as well as the report for the prior study again using the current version of the application. This will ensure the full functionality of findings and comparable results between prior and current studies.

2.2.22 Default LUT not applied in Saved Layouts

When a layout copy is saved with default LUT applied as Inverted Grayscale, images are displayed with Grayscale LUT applied instead.

Workaround: Manually change the LUT from lower right corner menu.

2.2.23 Drag and Drop of an entire study from Series Navigator to Print sheet causes exception

An exception occurs when an entire study is dragged and dropped from the series navigator onto the print sheet in the Print Task.

Workaround: In the **Series** panel, right mouse click on a the study and select the **Print** option.

2.2.24 Correcting data assignment in Data Selection step of Auto Lung 3D can not be done using segment swap

If data has been incorrectly assigned to the segments in the **Data Selection** step, performing the **Segment Swap** (CTRL+drag and drop between segments) will not help in correcting the data assignment. **Segment Swap** not only swaps the content, but also the segment.

Workaround: To correct the data assignment in **Data Selection** step, drag and drop the correct data from the **Series** panel into the segment within the layout. Do not use **Segment Swap**.

2.2.25 Short Axis Cardiac Data: Slices not displayed in the expected order

The image order of cardiac Short Axis (SA) data may not be displayed as expected. Particularly in volume stripe layouts, short axis data may be displayed from Base to Apex rather than from Apex to Base.

Workaround: Scroll through all the images to understand the order in which the images are displayed. Use reference lines in other views to confirm orientation and to check the position of a particular SA slice.

2.2.26 Layout fixes and improvements made in VB60 will not be available on Private Saved Layouts from VB50

Private saved layouts in VB50 will be retained when upgraded to VB60. However, the new layout fixes and features introduced in VB60 will not available in those private saved layouts in VB50, for example, sorting images by detector index, drag and drop of datarole on MIP segment behavior, 4D compatibility.

Workaround: Manually save the layouts again using **Save As** option.

This limitation applies only to private saved layouts, not to public or factory layouts.

2.2.27 Range creation tools are not active on Volume Stripe layouts

Range creation tools are greyed out when accessed through volume stripe layouts.

Workaround: Switch to any other layout to access any range creation tools.

2.2.28 Export tools are not active on Volume Stripe layouts

Export tools like **Export Image** and **Export Stack** are greyed out when accessed through volume stripe layouts.

Workaround: Switch to any other layout to access any export tools.

2.2.29 Secondary monitor is not captured in Layout Snapshot/ Print Layout for Volume Stripe layouts

For dual-monitor volume stripe layouts, **Layout Snapshot** or **Print Layout** does not capture the volume stripe layout displayed in the secondary monitor.

Workaround: Use **Copy Layout** tool to copy the entire layout to clipboard. Additionally, single image segment can be captured using the **Snapshot** tool.

2.2.30 Visual Alignment and Automatic Registration tools are not active on Volume Stripe layouts

Visual Alignment and **Automatic Registration** tools are greyed out on volume stripe layouts.

Workaround: Manually adjust the registration in another layout using **Visual Alignment** or **Automatic Registration** and switch back to volume stripe layout.

2.2.31 Reference Lines appear in white color on initial launch of a dataset

Reference lines may appear in white color on initially launch of a dataset in layouts like **Hybrid 2X2**, **Hybrid 3X3 + Axial** and **Functional 2X2 + Axial**.

Workaround: Switch to another layout like **Functional Axial 3X2** and then switch back to the desired layout.

3 Closing *syngo*.via

- Click the **Close** icon at the upper right to close the *syngo*.via client software.

Please note the following:

- If you have to leave the workplace unattended, be sure to lock the computer.

  At a locked computer, only the user who has logged in to Windows can unlock the workplace.

- If you are leaving the workplace for a longer period, make sure to log off the *syngo*.via application.

- If you are leaving the workplace for a longer period and have not logged off, *syngo*.via logs off automatically. Workflows that are opened in the Viewer are closed and saved.

4 Legal information

This *syngo*.MI software application, version VB60, is a class IIa medical device compliant with the requirements of Appendix II of the Council Directive 93/42/EEC of June 14, 1993 Medical Devices.

This product would not be applicable for emergency medical situations. See the *syngo*.via Basic Application online Help or Administrator Manual for information.

The system must only be used by persons with the necessary specialist knowledge, for example, physicians, trained radiologists, or trained technologists, after an appropriate application training. Use of this application by untrained or unqualified users may lead to incorrect diagnosis or treatment.

4.1 Sales release

Please contact your Siemens Sales Representative to confirm the availability of this product in your country.

4.2 Hardware environment

For hardware related information please refer to the *syngo*.via Basic Operator Manual and the syngo.via Administrator's Operator Manual.

4.3 User interface

The graphical user interface is available in German, English, French, Spanish, Chinese, and Japanese. The default language is English.

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