



RELEASE NOTES

Hybrid Viewer 8.0.0

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1 INTRODUCTION

These Release Notes inform users of news and improvements in Hybrid Viewer, as well as any known issues to be aware of. Every user must be familiar with these known issues. Contact the manufacturer for any questions about the content.

This is an electronic document, a copy of which can be downloaded from www.hermesmedical.com/ifu. Hard copies of Instructions for Use, System Environment Requirements, and Release Notes are available for free (as many as number of purchased licenses) upon request.

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1.1 Associated documentation

- P31-272 Instructions For Use Hybrid Viewer 8.0
- PC-007 System Environment Requirements, applicable revision can be found at www.hermesmedical.com/ifu.

The Instructions For Use contains the necessary basic information to configure the application at your own preferences.

A user guidance, intended to assist users in using the software, is available from the Help function in the software itself.

Warning messages are now listed in both the Instructions For Use and the user guidance. The warning messages clearly describe intended users, limitations in the software and the risks of making changes to the software.

1.2 Complaints and serious incidents

Report incidents and errors to our support, see *Contact Information*.

Any serious incident that has occurred in relation to the device must be reported to the manufacturer.

Depending on applicable regulations, incidents may also need to be reported to national authorities. For the European Union, serious incidents must be reported to the competent authority of the European Union Member State in which the user and/or patient is established.

Hermes Medical Solutions welcomes feedback from readers of this manual, please report any errors in content or typography and suggestions for improvements to our support, see *Contact Information*.

2 NEWS AND IMPROVEMENTS

2.1 New Features implemented in Hybrid Viewer 8.0.0

These are the new features introduced in this release:

- Option for Automatic decay correction of loaded statics
- Split upper/lower ROI tool for Renogram
- GUI Translation in Swedish and French
- New Option to fix Renogram plot secondary y-axis '% Uptake' to user-defined values
- Overlay: Zoom option for planars
- Overlay: Option to display patient sex (0010,0040)

2.2 Problems fixed and minor enhancements in version 8.0.0

There are several problems fixed and minor enhancements in this release. A selection of issues are listed below:

- Update of EOL Components
- Liver Remnant Calculation on SUV Spect after using masking on gallbladder is incorrect
- If you click the ROI button in the top toolbar instead of in the toolbar on the right, the Curve icon does not become active
- Slice thickness setting should follow when opening a full-screen pop-out window, also scrolling issue
- 2D ROI value not displayed beside ROI with 3D data
- Dynamic SPECT DICOM for GE StarGuide
- Multiple splash widget on the same tab refresh issue
- SeHCAT calculation proceeds as normal when different acquisition durations are used
- Update Renogram Handbook with the correct relative uptake interval for Bubeck ERPF
- Message in user properties Graphs tab needs clarification
- Renogram application: Patlak-values are not removed from result table when Blood ROI is removed
- Post mict value are not scaled to max on Renogram
- Fixed y-axis values in Renogram is not honoured
- The CDMSA application manual does not state that the pixel and matrix size of the DMSA study must be square
- Automatic regions are not deleted after performing motion correction on renogram
- Values of dynamic post-mict are not plotted for Renogram 2
- Uniformity application displays head 1 and head 2 swapped with separate series load
- When single sample Bubeck result file is reloaded the second sample box is checked on
- User Metz filter is not saved
- Quick Print crops bottom of image
- Volume string matching order in layout protocol no longer honoured
- Results reload wrongly on DMSA SPECT for coronal and sagittal created regions
- Handbook update: V/Q ratio image varies with selection order for 'no' SortByDate layout protocol option
- Remove empty frames not applied to Renogram tab in v7.x
- Cardiac aligned images lose orientation when Cine or Gate is active in HV 7.x
- Results file cannot be saved when study has 'Motion Corrected' in the series description
- Results file not loading with a Geometric Mean study saved after motion correction in Renogram
- Orientation wrong in cardiac splash v7.x, data saved from HR 5.0.0

- BRASS Flor.db folder includes brmodel.txt file with wrong values
- Redo the mappings file to use wildcards wherever possible
- Olinda version cannot be checked when Powershell blocked by IT restrictions
- MFSC using MONOCHROME1 Photometric Interpretation blank display
- HV Renogram crash when a results files is loaded and "sync" tool is closed
- Renogram plot % uptake number does not update with fixed primary y-axis value
- Reorientation on Siemens not honoured in HV display
- Renogram crash with splash annotation and layout change
- MIP MFSC window partly outside the screen on specific occasion
- Renogram Bubeck: Decay correction not working properly
- OpenGL is not used as fallback renderer if NVIDIA GPU is not selected as main graphics processor
- Starguide - Planars and dynamic 2D reprojections issues
- BRASS Flor.db Average SUVr: reference regions should not be included in calculation
- Renogram reload results issue independent contour per bin
- Dynamic DMSA - white text on white background in "Remove frames" text box
- Dynamic DMSA - Dynamic Cine color bar offset
- Predefined annotations issues HV Thyroid
- Siemens Prospecta Pixel Scale factor (0033, 1038) is ignored
- BRASS DatScan - "Apply Age Correction" checkbox appear checked when option is greyed out
- Cardiac Splash - Annotation on Splash views is not working
- Cardiac Splash - Adjusting colour bar on splash view has no effect while in cine mode
- Crash during processing Bone Phase app
- Renogram geometric mean image is flipped after Reset on moco
- Remnant Liver : extra masking VOIs can't be saved in user protocol
- Handbook update: BRASS manual typos and ictal-interictal description fix
- FUGA - Results are not removed from the Results table after deleting constraint region
- DICOM DT tags with with odd lengths are padded with null character when saving
- Organ Dosimetry - Register All and Register chosen datasets tools tooltips
- Handbook update: Fixed poor formatting in BRASS handbook
- Organ Dosimetry - Register All and Register chosen datasets tools tooltips
- Loads Affinity Dicom Seg in DMSA and Liver Remnant
- Images are slightly cropped during resize when controls are hidden for print
- Renogram - Hide All controls before Prints - cinematic not resized after Screen Capture
- Export to Excel export results in a text file
- Automatic motion correction reset from original after a manual adjustment
- VQ ratio not visible on VQ study
- Motion Correction - "Move Current frame and all before" option is not working for rotation

3 KNOWN ISSUES

There are no known issues related to patient safety in Hybrid Viewer.

Below is a selection of open known issues relevant to the end users.
All issues have been risk analyzed and have been classified as acceptable.

- Radiopharmaceutical is not always read from study header in Dosimetry
- Screen capture set to modality type OT instead of SC
- SUV different depending of TCS view for same sphere
- Cannot use Quick Print on 8Fusion protocol
- Empty XML files/ Hybrid Dosimetry not recognizing the study and XML
- Issue with Cardiac Splash GE540c data
- Lung VQ ratio does not account for Diff number of projections in Vent and Perf when performing subtraction/corrections
- HV- Renogram Sync Tool Post micturition ROIs issue
- Substraction slider in parathyroid doesnt work if you use mouse wheel or click on bar
- DMSA autoROI Fail when there is a big difference in height between kidney
- Curve fitting options in Gastric emptying disappears
- Unable to display results tab on Combined tab in renal
- Unable to display SUV from GE Starguide camera
- Pixel Overflow for cDMSA if very hight count (1mil+)
- Issue with Region delete in Renal Application
- Tab key skip field on renogram Patient Info screen
- CT fails to load correctly in BRASS with DAT Scan template
- Analysing SUV reconstructions from StarGuide
- CZT Whole Body appear to shift compare to other WB
- CDMSA - Draw Roi, Fit and Apply button are not linked to their image group
- CDmsa same tooltip text used for multiple button
- PDF Files are opening outside of HV

4 CONTACT INFORMATION

Contact any of the addresses below for service, support or if you have any other questions.

4.1 Manufacturer contact information



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