HERMIA

RELEASE NOTES

Voxel Dosimetry

Version 3.1.0

HERMES MEDICAL SOLUTIONS

Document Name: P55-148 Release Notes Voxel Dosimetry 3.1.0 Rev.5_EN
Document revision date: 2025-06-12

These Release Notes inform users of news and improvements in Voxel Dosimetry 3.1.0, as well as any known issues to be aware of.

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.

The Release Notes and the medical device software itself is copyrighted and all rights are reserved by Hermes Medical Solutions. Neither the software nor the manual may be copied or in any other way reproduced without prior consent in writing from Hermes Medical Solutions who reserve the right to make changes and improvements to the software and the manual at any time.

Hermes Medical Solutions*, HERMIA*, the HERMIA logotype* and SUV SPECT* are trademarks of Hermes Medical Solutions AB.

Third-party trademarks as used herein are the property of their respective owners, which are not affiliated with Hermes Medical Solutions.

*Subject to registration in some markets

© Hermes Medical Solutions AB

Table of content

1 INTRODUCTION 3
1.1 Associated documentation 3
1.2 Complaints and serious incidents 3
2 NEWS AND IMPROVEMENTS 4
2.1 New features implemented in Voxel Dosimetry 3.0 4
2.2 New features implemented in Voxel Dosimetry 3.1 4
2.3 Problems fixed and minor enhancements in version 3.0.0 4
2.4 Problems fixed and minor enhancements in version 3.1.0 5
3 KNOWN ISSUES 6
4 CONTACT INFORMATION 7
4.1 Manufacturer contact information 7
4.2 Regulatory Representatives 7
4.3 Subsidiaries 7

1 INTRODUCTION

This document contains the public Release Notes for Voxel Dosimetry 3.1.0. It provides a list of new features, enhancements and problems fixes since last release.

The document also includes known issues. Every user must be familiar with these known issues. Contact the manufacturer for any questions about the content.

1.1 Associated documentation

- Instructions for Use:
  - USA: P55-174 US Instructions For Use Voxel Dosimetry 3.1.0 Rev.3
  - All other markets: P55-140 Instructions For Use Voxel Dosimetry 3.1.0 Rev.5
- 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 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 Voxel Dosimetry 3.0

These are the new features introduced in version 3.0 of Voxel Dosimetry since version 1.1:

- All GPU operations are performed with Compute Unified Device Architecture (CUDA) code
- Non-rigid registration for CT-to-CT alignment
- Support for additional isotopes
- Region drawing tools
- Automatic segmentation of organs
- VOI-based time-activity curve fitting
- Dose map display
- Dose-volume histogram display
- VOI-based dose calculation and tabular display
- Save and load regions as DICOM SEG files
- Automated workflow configuration options

2.2 New features implemented in Voxel Dosimetry 3.1

These are the new features in 3.1 introduced since 3.0:

- Licensing support for syngo.via/OpenApps integration added
- Add a command line option to configure the application launch so that it uses a specified spool path for passing Dose map and SEG files to an external viewer
- The results table and dose-volume histograms can be saved in csv format from the Dose tab
- Segmentation map interpolation algorithm updated

2.3 Problems fixed and minor enhancements in version 3.0.0

These are the problems fixed and minor enhancements introduced since version 1.1:

- User interface will clearly show when the license is non-clinical
- Added list of supported isotopes to the IFU
- Added an option to change the path to the “spool” folder
- Added support for Spectrum Dynamics Veriton cameras
- A warning added to the top panel of the application window if the patient demographics of loaded studies do not match
- Date and time information added to reference studies in the dropdown menu
- Fixed issues that caused license to stop working on Windows 11
- Product information fields fixed to include all the necessary information for registered products
- Minimum number of simulated photons increased to 1 million
- Error message added if dose simulation parameters file is corrupted
- Size of the dropdown menu for selecting reference studies has been increased to include all the text for the selected studies
- Program will display a warning message if isotope is not automatically detected in the study header
- Hänscheid single timepoint approximation option is available only for Lu-177 and I-131 studies
- Effective half-life field is updated according to changes made in the therapy isotope dropdown menu

2.4 Problems fixed and minor enhancements in version 3.1.0

These are the problems fixed and minor enhancements introduced since version 3.0.0:

- Default_param files can now be saved in any location
- Added a warning message when significant changes are made by the user to dose calculation parameters
- For multiple time point calculations, automatic dose calculations are permitted only when the application is loaded with a quantitative NM data
- For single time point calculations, automatic dose calculations can only be performed using the physical half-life option or the Hänscheid approximation for Lu-177 and I-131 therapy isotopes
- Resolved a bug in segmentation map interpolation
- Resolved a bug where user-modified curves were not available in the dropdown menu after changes were made
- New command line option available to set a temporary spool path

3 KNOWN ISSUES

There are no known issues related to patient safety in this version of Voxel Dosimetry.

Other known issues:

- Studies which have been coregistered prior to being loaded are not recognised as such
- The dose map label is not saved if the series description is long
- The DVH values are not visible when clicking the DVH near X axis

4 CONTACT INFORMATION

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

4.1 Manufacturer contact information

Head office
Hermes Medical Solutions AB
Strandbergsgatan 16
112 51 Stockholm
SWEDEN
Tel: +46 (0) 819 03 25
www.hermesmedical.com

General e-mail address:
info@hermesmedical.com

Support e-mail addresses:
support@hermesmedical.com
support.ca@hermesmedical.com
support.us@hermesmedical.com

4.2 Regulatory Representatives

UK Responsible Person
Hermes Medical Solutions Ltd
Cardinal House
46 St. Nicholas Street
Ipswich, IP1 1TT
England, United Kingdom

Australian Sponsor
Cyclomedica Australia Pty Ltd
4/1 The Crescent,
Kingsgrove,
Sydney 2208
Australia

CH REP

CH Authorized Representative
CMI-experts
Grellinger Str. 40
4052 Basel
Switzerland

4.3 Subsidiaries

Hermes Medical Solutions Ltd
7-8 Henrietta Street
Covent Garden
London WC2E 8PS, UK
Tel: +44 (0) 20 7839 2513

Hermes Medical Solutions Canada, Inc
1155, René-Lévesque O., Suite 2500
Montréal (QC) H3B 2K4
Canada
Tel: +1 (877) 666-5675
Fax: +1 (514) 288-1430

Hermes Medical Solutions, Inc
2120 E. Fire Tower Rd, #107-197
Greenville, NC27858
USA
Tel: +1 (866) 437-6372

Hermes Medical Solutions Germany GmbH
Robertstraße 4
48282 Emsdetten
Deutschland
Tel: +46 (0)819 03 25