

HERMIA



# RELEASE NOTES

## Voxel Dosimetry

Version 3.0.0



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These Release Notes inform users of news and improvements in Voxel Dosimetry 3.0.0, 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](http://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 INTRODUCTION

This document contains the public Release Notes for Voxel Dosimetry 3.0.0. It provides a list of novel 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

- P55-077 Instructions For Use Voxel Dosimetry 3.0.0 Rev.1
- PC-007 System Environment Requirements, applicable revision can be found at [www.hermesmedical.com/ifu](http://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 this release:

- 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 Problems fixed and minor enhancements in version 3.0.0

There are several problems fixed and minor enhancements in this release:

- 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

### 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.

## 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 Representatives

#### Authorized representatives

#### UK Responsible Person

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

#### CH Authorized Representative | | | |----|-----| | CH | REP | |----|-----|

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, Inc

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

#### 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 Germany GmbH

Robertstraße 4  
48282 Emsdetten  
Deutschland  
Tel: +46 (0)819 03 25