NordicNeuroLab

Software Release Notes for nordicICE v4.0.5

Revision 1

Date: June 15th 2016

Approved by: Yngve Kvinnsland

NOTE: The most current documentation for released products is available on www.nordicneurolab.com/HelpAll/nordicICE/. The online documentation may contain updated information on modifications made and issues reported after this document was issued.

Introduction

These release notes accompanies version 4.0.5 of nordicICE.

The most important addition to this version is the capability of doing coregistrations in batch. This completes the analysis chain in the batch module: coregistration, motion correction, preprocessing, analysis of functional data and ROI analysis. **Please see #896 and #897 under known issues and limitations.**
In addition we have added the capability of translating a segmented area directly into a ROI and thereby allowing for statistical analysis with fewer steps involved.

Supplementary Notes

Older versions of nordicICE and nordicBrainEx: Older versions of nordicICE may not coexist with version 4.0 on the same computer. The user will be asked to uninstall if an older version exists upon installation of version 4.0. If the user chooses to keep the old database during uninstallation, these image data must be reimported into the new database. The default location for the old database image folder is C:\DBFolder, but this may have been changed by the user.

nordicICE and nordicBrainEx may coexist on the same computer, but will no longer share database. If you want to use the images located in the nordicBrainEx database, please import these from the folder where they are located (Unless changed by the user, these are located in C:\DBFolder, the same location as for older nICE versions).

License system: If the user chooses to downgrade from nordicICE version 4.0 to 2.3.14 this implies some technical issues related to the license system. Please contact NNL Customer Support.

If nordicICE is installed on Windows 10, there may occur a problem with the licensing system. If this happens, please contact support.

Contact

For questions or problems, please contact support:

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Known issues and limitations

#215	BOLD module: A mismatch may occur between the activation maps chosen in the interaction panel and the activation maps actually shown.
#471	If the patient-/study-/series name contains non-standard characters (characters that aren't allowed to be used in folder names in windows), the export will fail if you attempt to export using the name in question for folder structure. Workaround: Export without creating a patient name/study/series folder (depending on which name contained the illegal characters).
#474/391	The Enhanced MR Dicom format is not supported by nICE in all situations. Some of these situations include 1) saving an image stack created from the MPR that was originally based on Enhanced MR and 2) loading an image series stored in Enhanced MR format where not all the images are in one file.
#485	A derived images series is saved as RGB images if a palette other than greyscale is used.
#529	Validation and backup functions for database do not work properly in this version.
#589	If the user changes the location of the image data (DBFolder) and uninstall and installs again (either the same version or an upgrade), the information about the location of the image data is lost. Workaround: After installation, edit the file C:\ProgramData\NordicNeuroLab\nordicICE\Config\nDC.ini. The file contains a line that begins with DBfolder=

The content after the "=" should be replaced with the path of the true location of the image data.

#629 Philips scaling factors removed during anonymization. Some Philips series operate with proprietary scaling factors in the tags (2005,100D/100E) that are necessary to create quantitative maps. These are not present in data anonymized with nICE if the checkbox "All other tags" is checked.

#668 Temporal resolution in DCE analysis in batch module. If several DCE series are analyzed in the batch module, and there are some series with temporal resolution in the header and some series without, the default setting for temporal resolution set in the batch interface is not necessarily used for all the series that do not have temporal resolution.

#798 On some virtual machines starting the 3D-viewer will cause nICE crash. It is verified that it does not crash on VMware, and it is shown that it does crash on VirtualBox.

#896 When a new series is derived from a DTI series and saved to file the gradient information is lost. This is a problem for coregistration in the batch module, so coregistration in batch should not be done on DTI series.

#897 Coregistration in batch on multiframe enhanced MR files is not supported.