



ONIRY

ONIRY App

User Manual

Manual version: 1.2.0
Application version: 1.2.0
Release Date 09.09.2024

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1 General Information

The ONIRY System is a standalone medical device that has been developed for the rapid detection of obstetric anal sphincter injuries (OASI) in the postpartum period after vaginal delivery, utilizing the machine learning-assisted impedance spectroscopy method. To complement and enhance the functionality of the ONIRY System, the ONIRY App has been developed. This application is tailored to enrich the overall user experience of healthcare professionals who utilize the ONIRY System. The primary objective of the ONIRY App is to facilitate interaction with the results obtained using the ONIRY System via a user-friendly interface and provide features unavailable in the device like data edition, description of the results and report generation.

1.1 Minimal requirements

ONIRY App is a desktop application with a web-based component, designed to run on a Windows-based system. To use the app, the computer needs to meet the requirements listed below:

- Operating system: Windows 10 or Windows 11
- Disk Space: at least 2 GB of free space
- Memory: at least 4 GB of RAM
- Network access: Optional

- Additional: Chrome or Mozilla Firefox Browser installed in the system
- Recommended: FullHD Monitor

2 Installation

To install the application, please download the latest version from the OASIS web page.

The installation file is in Microsoft Software Installer (.msi) format and contains all the necessary components to run the application.

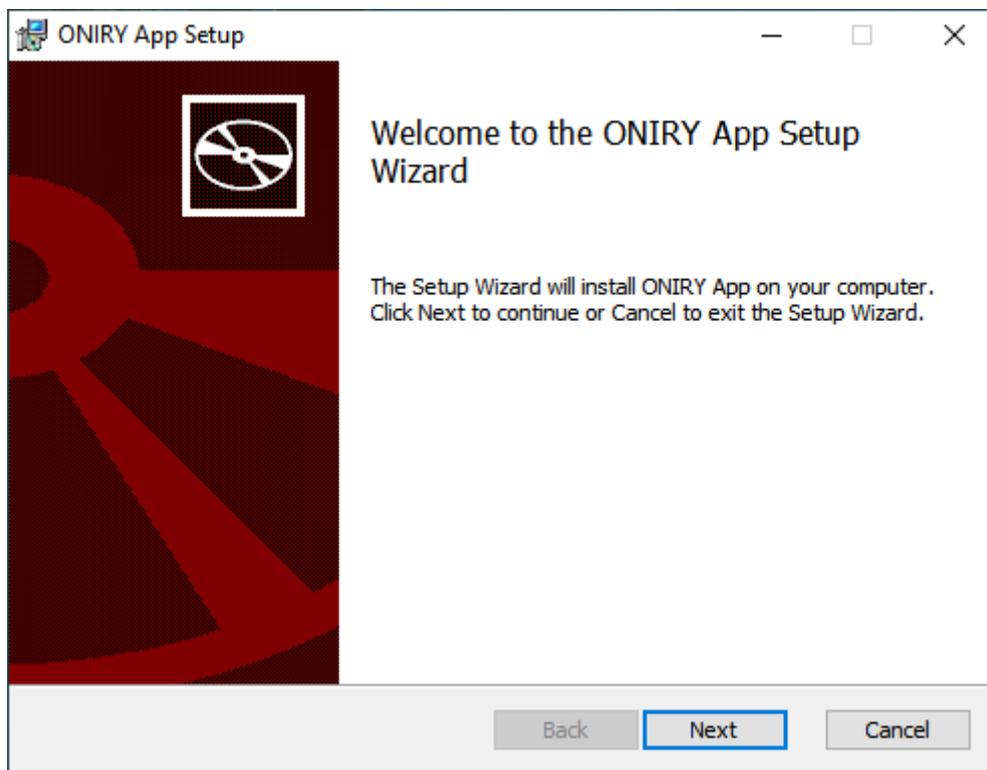
The components are:

- Application
- Python Interpreter
- Database (SQLite) engine

Installation Steps:

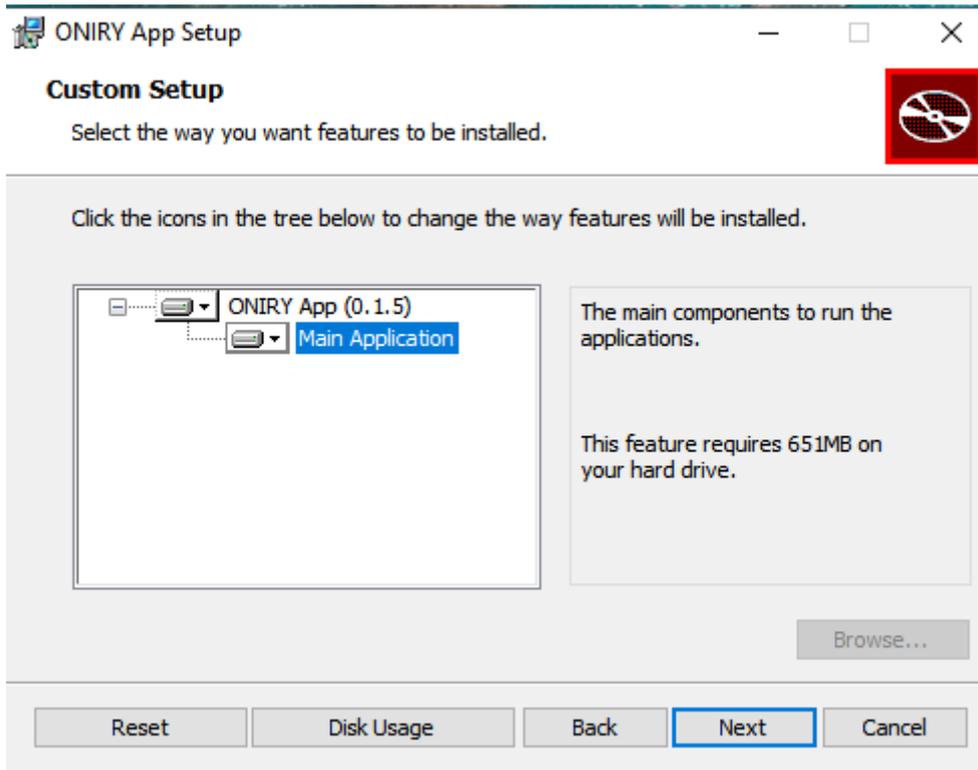
1 Run the installer (i.e. ONIRY App-1.0.0 Setup.msi)

2 Go through the installation process:

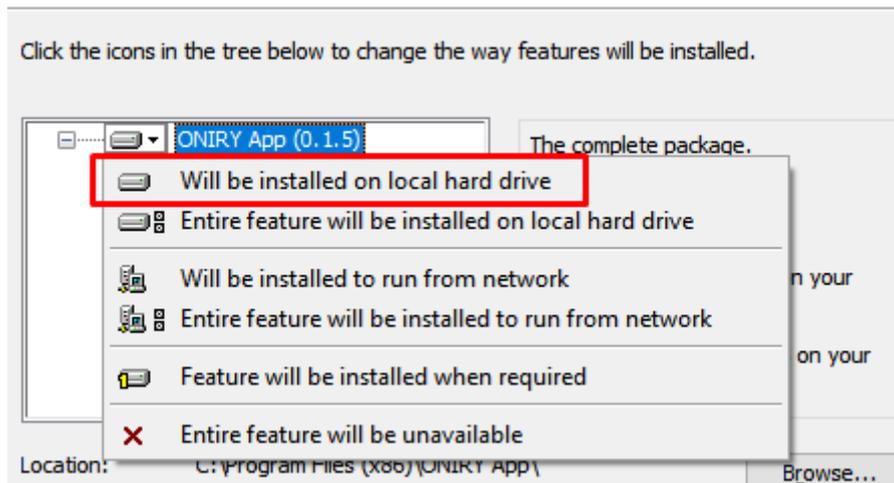


Click <Next>

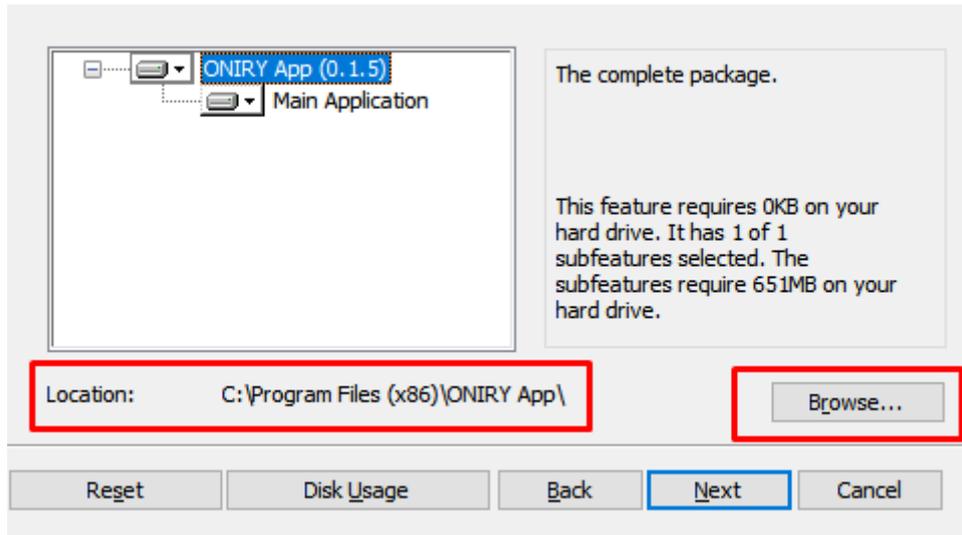
On the next screen choose the installation option:



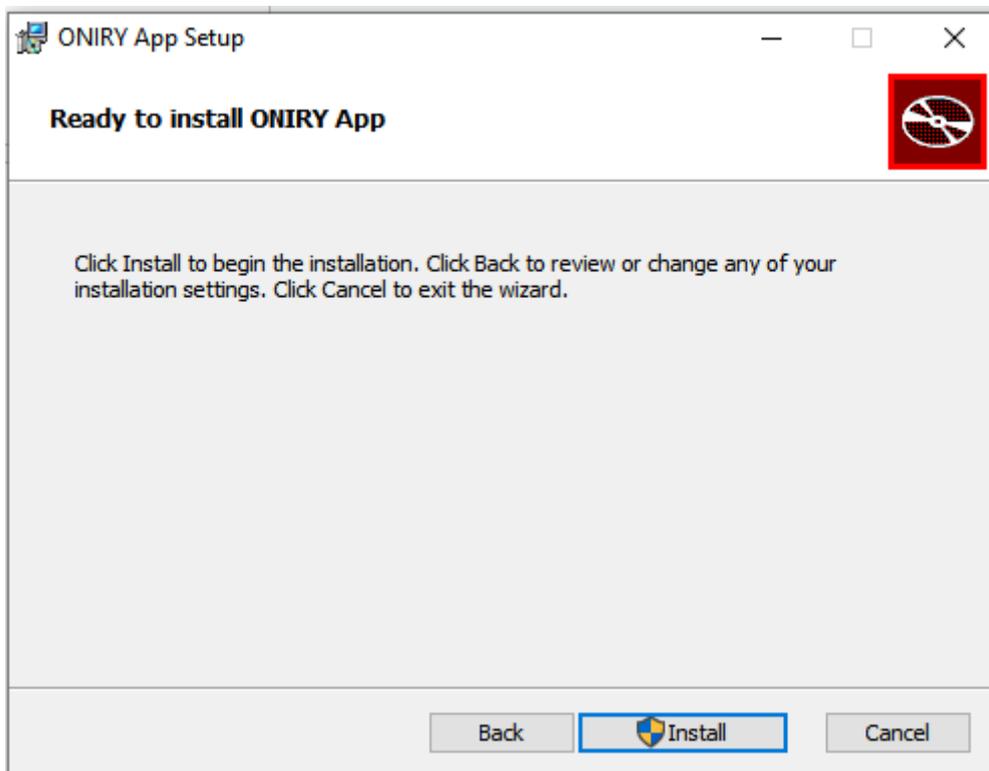
Select the option to install the application on the local hard drive:



You can also choose the installation destination folder to install the app or leave the default one:



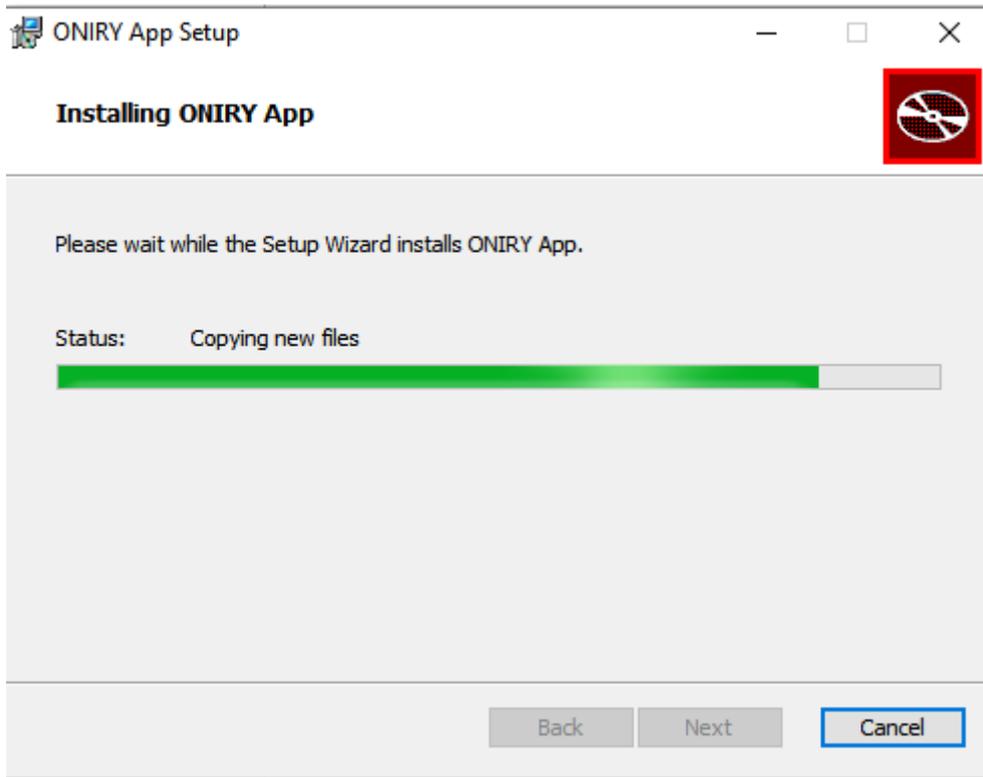
Click <Next> and the app is ready to be installed:



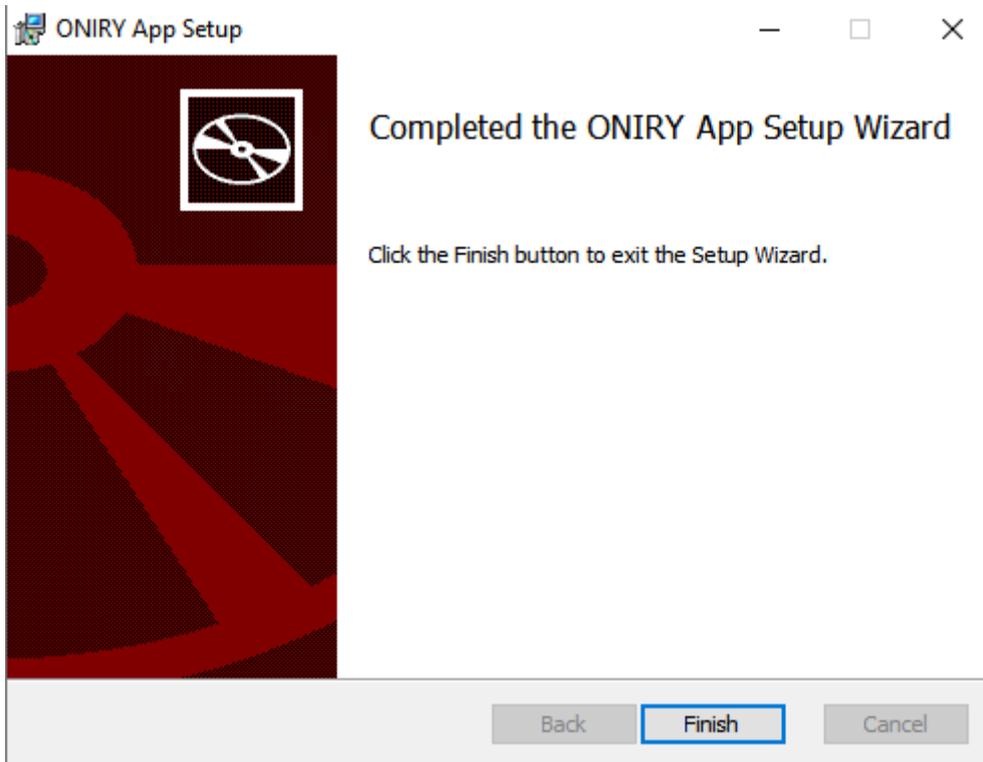
Please click Install to continue.

During the installation process, an additional screen may appear asking for confirmation to install the application. ONIRY App is a certified app - so please check if you see OASIS Diagnostics SA as a vendor.

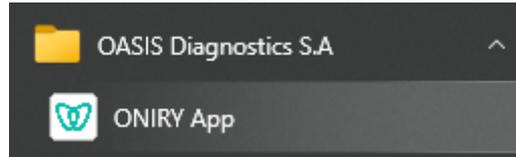
Now files are copied to the destination folder.



Click <Finish> at the end of the setup process:



The app creates a desktop shortcut and will be accessible from the Start Menu:



3 First launch

When the application is launched on your computer for the first time, it requires additional steps. The application window will open in the system's default language.

3.1 Set up Verification PIN

During the first launch, you will be required to set up a security PIN for the verification in further verification purposes. The PIN is 4 digits long and it should contain only numbers. For the safety purpose, the PIN needs to be provided twice.

A screenshot of a dialog box titled "Create a new PIN number". The dialog box has a white background and a dark border. It contains the following elements:

- The title "Create a new PIN number" in bold black text.
- The instruction "Please, provide new PIN" in black text.
- A label "Verification Pin" followed by a text input field containing the placeholder text "Enter Pin...".
- A label "Repeat verification Pin" followed by a text input field containing the placeholder text "Enter Pin...".
- A teal button with the text "CREATE PIN" in white capital letters.

3.2 Connecting the device for the first time

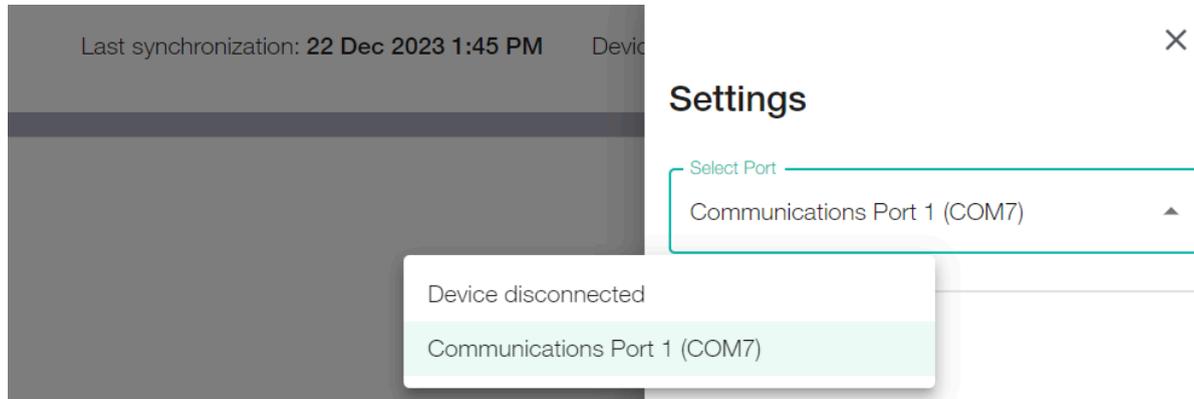
After setting the PIN you can make the first synchronization with the device.

Note: The device needs to be connected to the computer via a dedicated micro USB cable before you go to the device settings in the app.

Go to the settings screen:

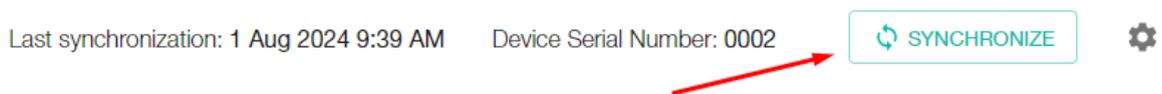


Select the right USB port (sometimes there will only be one option to choose):

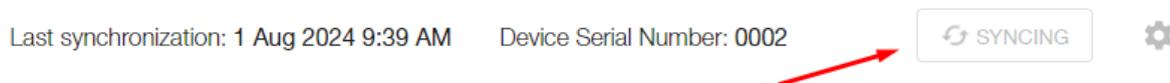


Note: The app will remember the port you choose. When you click <Synchronize> next time this port will be selected automatically.

Then click save and get back to the main screen. Now click <Synchronize>:



When synchronization is in progress you will see a syncing indicator:



Note: The first synchronization (or if there have been many tests performed since the last connection) may take several minutes. Please do not turn the device down before the process is finished. It may cause data inconsistency or not save the data on the app. It is recommended to perform synchronization at each connection of the device with the new results that have not yet been uploaded to the application.

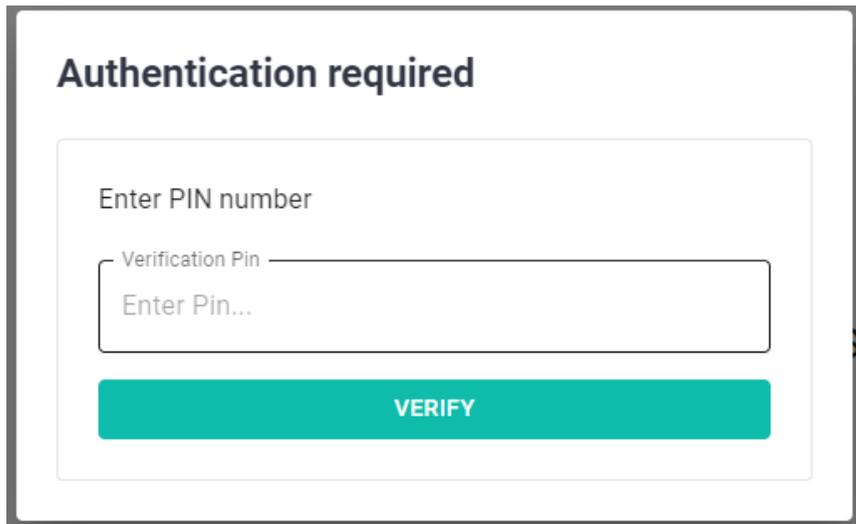
When the process finishes you will see the information about the last synchronization date and the device ID. This process will also update the date on a device.

The app works with multiple devices. To synchronize the data please follow the steps above for each device.

The application can be launched without a connected device. You can work on data saved in the app database. Each time you want to put new data into the app, please connect the device and use the <Synchronize> button.

4 Using the App

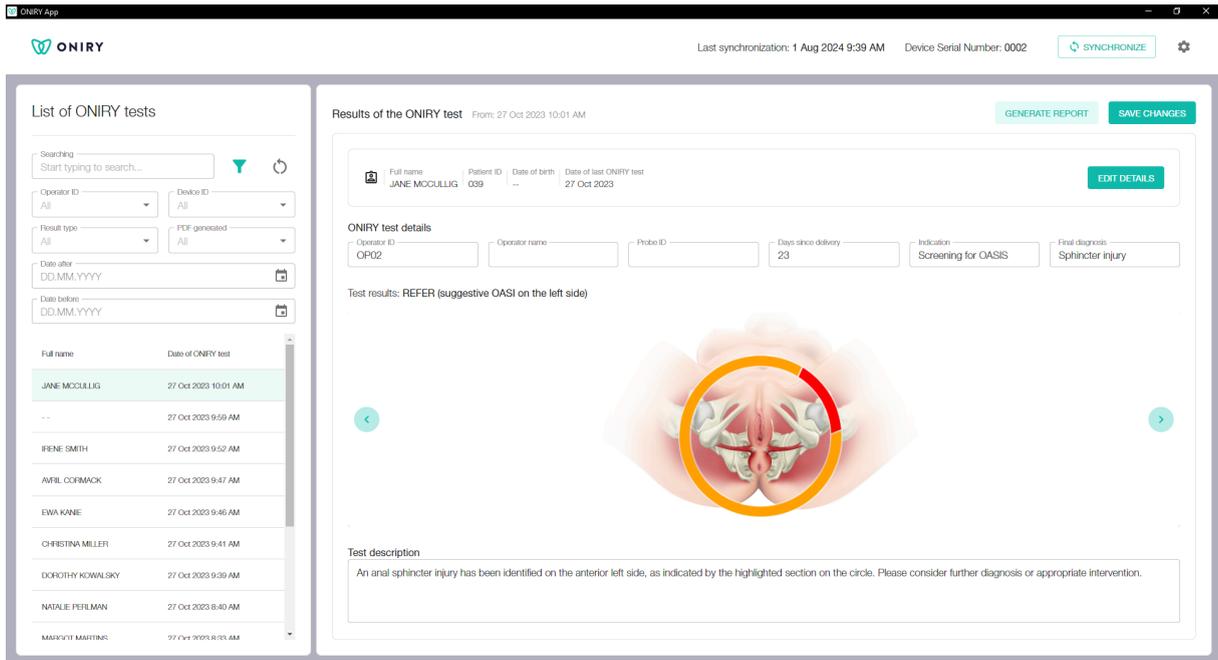
When you launch the app, first you need to enter a security PIN to authorise:



The application will lock for 15 minutes if an incorrect PIN is entered 10 times. If you do not remember the PIN and cannot recover it, please contact OASIS support for further instructions.

The main view is divided into the following sections:

- Top bar
- List of ONIRY tests
- Results of the ONIRY test
- Setting (accessible via gear icon)



4.1 Top Bar

The top bar includes:

- Last synchronization date
- Current/last connected Device Serial Number
- Synchronize button
- Settings icon

4.2 List of ONIRY tests

All the tests are accessible from the ONIRY tests list, which contains the following information:

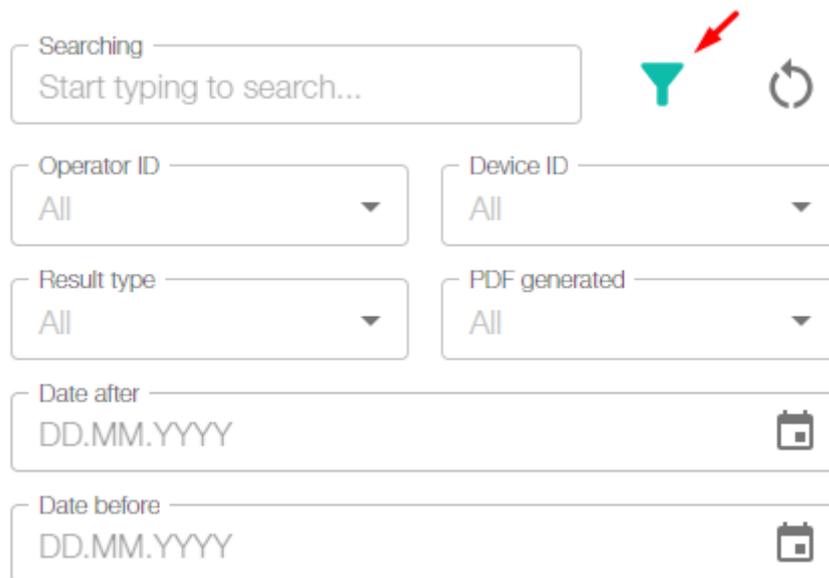
- Name and Surname of the Patient (or "--" if not provided)
- Date of last ONIRY test

The list is sorted from the newest test by default. The sorting order can be changed by clicking the label and the arrow. It can also be sorted alphabetically by name.

Full name

Date of ONIRY test ↑

To manage a large list of ONIRY tests you can use a search function or filters to narrow down the list. To access the filters section click the funnel icon:



Search functionality searches for the entered test using the following data:

- Name
- Surname
- Patient ID

Filters allow you to search by one or multiple fields.

Operator ID

Choose the operator who made the test by his ID.

Device ID

Choose the device on which the ONIRY test was performed.

Result type

Choose the results of the test. One of the options needs to be selected:

- All
- Pass
- Refer All
- Refer (left side)
- Refer (middle side)
- Refer (right side)

PDF Generated

Choose if the report was generated for the test or not.

Date after / Date Before

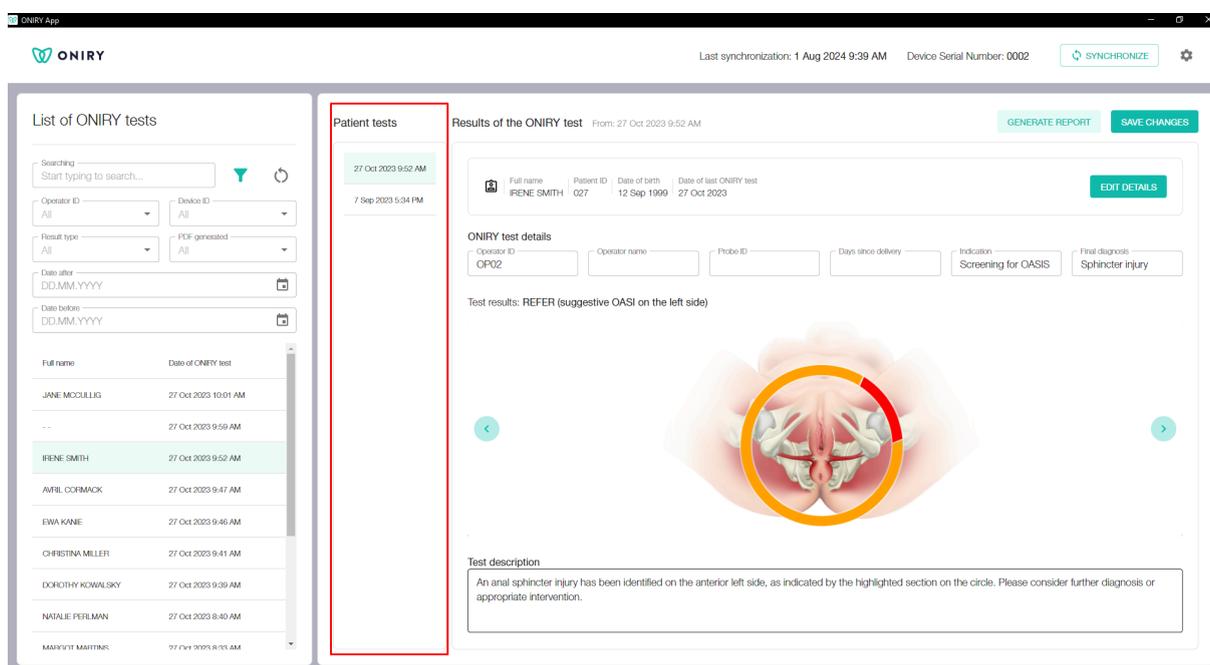
Choose the date of the ONIRY test. The time interval takes into account the selected dates and the period between them.

To clear (reset) the filter settings please use  button.

4.3 Results of the ONIRY tests

In this section, the test results are displayed. It includes the patient data, the result of the test, test data (operator and probe ID), a graphic representation of the result (3 images, that can be changed using the arrows) and the pre-filled test description fields.

If there is more than one test for the same patient (based on the patient ID), the app shows an additional list, where you can look for the test you are interested in, with the tests organized from the newest test to the oldest:



You can edit the data related to the patient and test, but not the result itself.

Edit Patient Data

Clicking the  button opens an additional window, which allows you to edit patient data. All data except <Date of the last ONIRY test> can be changed:

Edit patient data ×

Patient information

First name

Last name

Patient ID

Date of birth

Date of last ONIRY test

UPDATE PATIENT DATA

Edit Test details

You can edit all the following fields:

- Operator ID
- Operator Name
- Probe ID
- Days since delivery
- Indication (pre-filled)
- Final Diagnosis (pre-filled)
- Test Description (pre-filled based on a result)

Changed data will be saved after clicking the  button.

Test result

The result of the test is visible in the middle section of the screen. You will get one of the results:

- PASS (no suggestive OASI)
- REFER (suggestive OASI on the right side)
- REFER (suggestive OASI on the middle side)
- REFER (suggestive OASI on the left side)
- REFER

Each result is connected with a set of graphics (3 figures) that helps to identify the injured region. You can switch between the figures by clicking on the arrow icon (left or right).

Generate a PDF report from the ONIRY test.

You can generate the report from the ONIRY tests in PDF format by clicking the **GENERATE REPORT** button. The report will contain all filled data. (Section with no data filled will be hidden in the report). You can print the report or download it and save it on your computer.

4.4 Settings

You can access the application settings by clicking on the  icon. It will open the setting drawer. Settings are divided into the following sections:

- Select port (described in the First Launch section)
- Select application language
- PDF report settings
- Information section
- Advanced settings

PDF Report Setting

In this section, you can add additional information to the printed report:

- logotype - Image with the Institution logotype. Requirements:
 - jpeg/jpg/png format
 - size - up to 5MB
- Institution address - Address of the Institution / additional information.

To preview the PDF report use  button.

Information Section

You will find the application version and link to the terms of use.

Advanced Settings

In this section, you will find erasure and export functionality. (Described in a separate section).

4.5 Erase the data

The ONIRY App allows to erase data from the application and/or the device.

Erase Device Data

To erase data from the device please go to the settings screen and expand the Advanced settings section:

Advanced settings



ERASE APPLICATION DATA

ERASE DEVICE DATA

EXPORT TEST DATA

and then click on the  button.

Note: The device needs to be connected to the computer. If you use multiple devices please ensure that the correct port is selected and that the file you wish to erase is stored on the connected device!

The “Erase Tests from the Device” window will open. You can use a search or filter to find the test. Using checkboxes on the left side, you can select one or more tests at once.

Erase Tests from the Device ×

Searching

Start typing to search...



	Full name	Date of ONIRY test
<input type="checkbox"/>	JANE MCCULLIG	27 Oct 2023 10:01 AM
<input type="checkbox"/>	--	27 Oct 2023 9:59 AM
<input type="checkbox"/>	IRENE SMITH	27 Oct 2023 9:52 AM
<input type="checkbox"/>	AVRIL CORMACK	27 Oct 2023 9:47 AM
<input type="checkbox"/>	EWA KANIE	27 Oct 2023 9:46 AM
<input type="checkbox"/>	CHRISTINA MILLER	27 Oct 2023 9:41 AM
<input type="checkbox"/>	DOROTHY KOWALSKY	27 Oct 2023 9:39 AM

In order to erase data, please provide pin number.

Verification Pin

Enter Pin...

ERASE ALL DEVICE DATA

ERASE SELECTED DATA

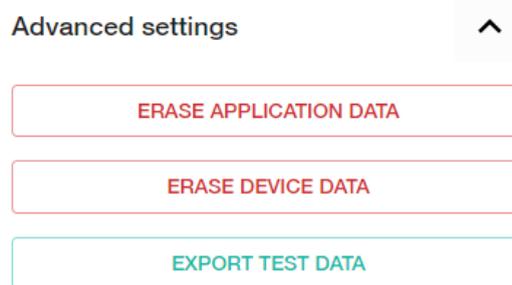
This operation cannot be undone. To erase data, you need to confirm this operation by providing the Verification PIN and clicking the  button.

If you want to erase all the data from the device, please use the  button. This operation also requires entering the Verification PIN.

In this case, all the data stored in the app will remain in the local database.

Erase Application Data

To erase data from the application please go to the settings screen and expand the Advanced settings section:



Then click on the  button.

The “Erase Tests from the App” window will open. You can use a search or filter to find the test. Using checkboxes on the left side, you can select one or more tests at once.

Erase Tests from the App



Searching

	Full name	Date of ONIRY test
<input type="checkbox"/>	JANE MCCULLIG	27 Oct 2023 10:01 AM
<input type="checkbox"/>	--	27 Oct 2023 9:59 AM
<input type="checkbox"/>	IRENE SMITH	27 Oct 2023 9:52 AM
<input type="checkbox"/>	AVRIL CORMACK	27 Oct 2023 9:47 AM
<input type="checkbox"/>	EWA KANIE	27 Oct 2023 9:46 AM
<input type="checkbox"/>	CHRISTINA MILLER	27 Oct 2023 9:41 AM
<input type="checkbox"/>	DOROTHY KOWALSKY	27 Oct 2023 9:39 AM

In order to erase data, please provide pin number.

Verification Pin

ERASE ALL APPLICATION DATA

ERASE SELECTED DATA

This operation cannot be undone. To erase data, you need to confirm this operation by providing the Verification PIN and clicking the **ERASE SELECTED DATA** button.

If you want to erase all the data from the application please use the **ERASE ALL APPLICATION DATA** button. This operation also requires entering the Verification PIN.

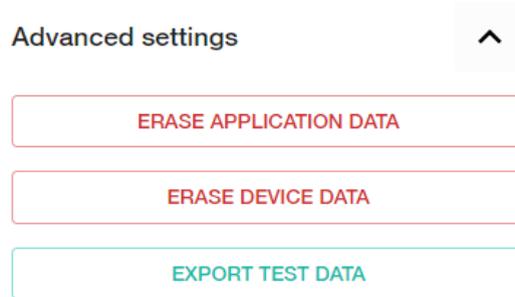
In this case, all the data stored in the device will remain on the device.

Note: If you have not deleted the files related to the erased tests from the device, the erased tests will reappear in the application after the next synchronization.

4.6 Export the data

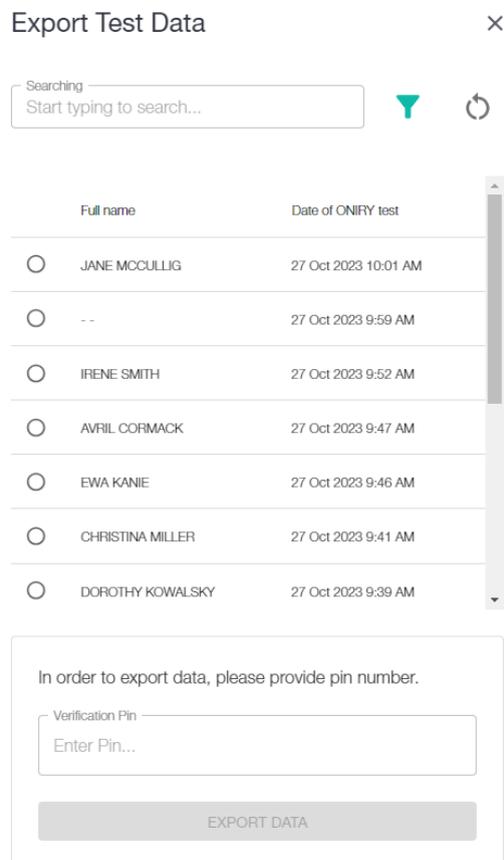
The ONIRY App allows the export of the selected test data.

To export data from the device, please go to the settings screen and expand the Advanced settings section:



and then click on the  button.

The “Export Test Data” window will open. You can use a search or filter to find the test you would like to export. Using a radio button on the left side you can select one test only. There is no option for exporting multiple tests.



To export data you need to confirm this operation by providing the Verification PIN and clicking the  button.

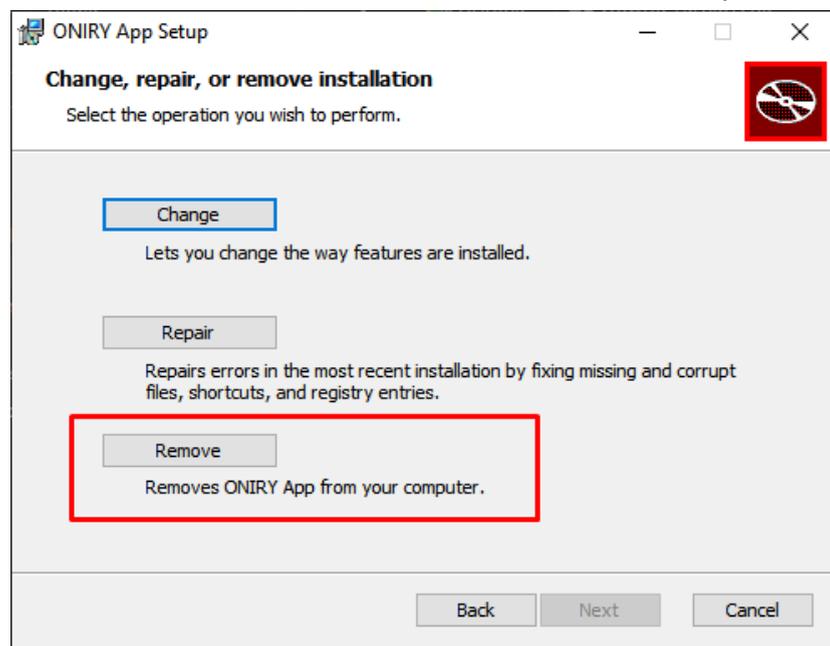
The data will be exported in CSV format.

5. Uninstall / install a new version of the ONIRY APP

To install the newest version of the ONIRY, please download the latest version and follow the steps described in Section 2. All data and the custom settings will be transferred to the newest version.

Note: In case the new version will require additional steps - it will be described separately in the release note.

To uninstall the app go to the Windows Settings → Application and choose ONIRY App to uninstall. You can also run the installer file and choose the Remove option:



Note: Uninstalling the app will not delete the local database. Please delete it manually as described in Section 4.5 before uninstalling the application.

6. Troubleshooting

In case of any problems, contact OASIS customer service at service@oasis-diagnostics.eu or visit our website, Please send the ONIRY App version (from the settings screen), operating system version and screenshots, if possible, to reduce diagnosis time.