



EuvisionTab[®]

Quickstart Guide

Version 1.0

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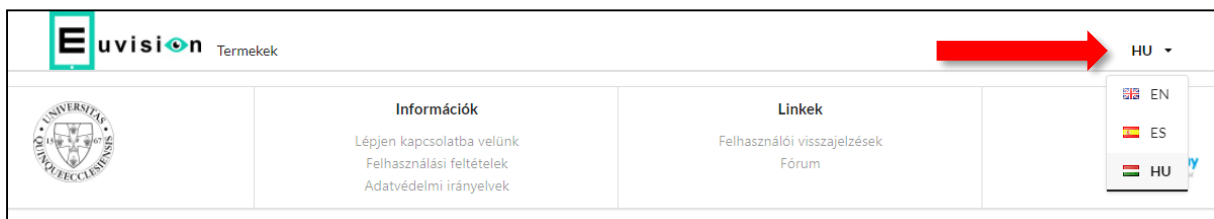
1. Purchase and registration

Please use desktop computer or laptop for purchase and registration.

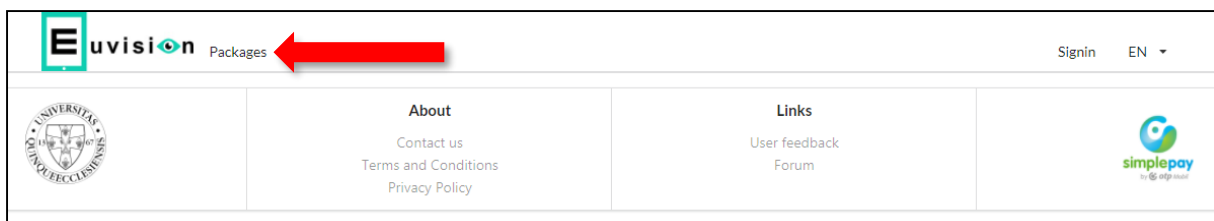
Website: manage.euvision.hu



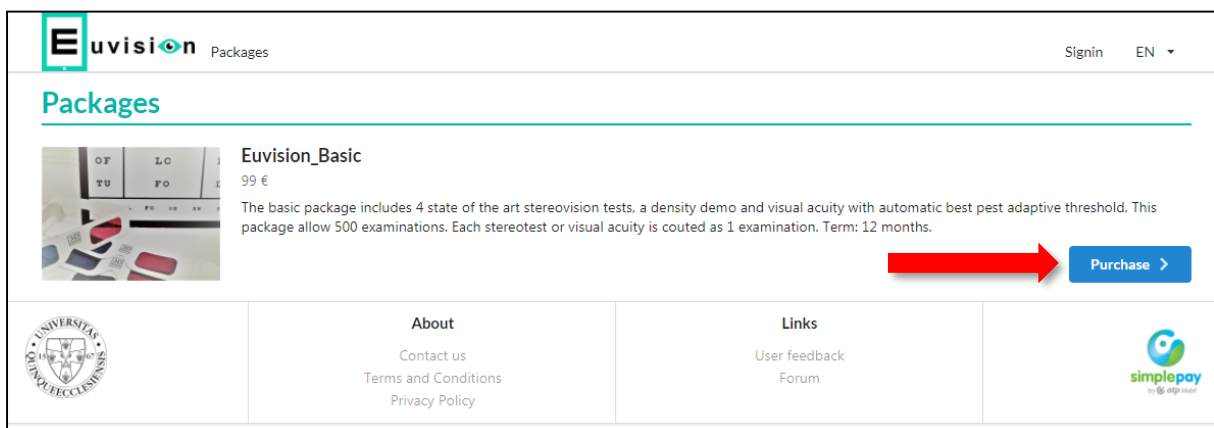
Change language to English / Spanish.



Choose the 'Packages' menu.



After selecting the package you want to buy, press the 'Purchase' button.



Enter your valid email address and press the ‘Send me an identification code’ button. During the whole procedure if you want to stop the purchase press the ‘Cancel’ button.

Purchase

1 **Email verification** Enter your email address 2 **User data** Enter the user data 3 **Invoice data** Enter the invoice data 4 **Confirm checkout**

Email verification

You must enter a valid email address! This email will be used for login too.

Your email address

Send me an identification code

Cancel < Back Continue > **Go to payment**

Check your mailbox and copy the 8-digit identification code and press ‘OK’ button...

Purchase

1 **Email verification** Enter your email address 2 **User data** Enter the user data 3 **Invoice data** Enter the invoice data 4 **Confirm checkout**

Email verification

You must enter a valid email address!

Your email address

Identification code

Success!

Please, copy and paste the 8-digit identification code you received by email! If you do not received an email for 5-10 minutes, please go back, check your email address and request an identification code again.

OK

Cancel < Back Continue > **Go to payment**

...then paste the code to the **‘Identification code’** field and press the **‘Continue’** button.

Purchase

1 **Email verification** Enter your email address 2 **User data** Enter the user data 3 **Invoice data** Enter the invoice data 4 **Confirm checkout**

Email verification

You must enter a valid email address! This email will be used for login too.

Your email address

Send me an identification code

Identification code

28647638

code is correct

Cancel Continue > Go to payment

Fill up all input fields of **‘User data’** then press the **‘Continue’** button. If you want to modify your previous data choose the **‘Back’** button.

Purchase

✓ Email verification Enter your email address 2 **User data** Enter the user data 3 **Invoice data** Enter the invoice data 4 **Confirm checkout**

User data

Buyer's name (contact person/user)

Test Researcher

Email

Workgroup

Test

Cancel < Back Continue >

If you want to register for '**Personal usage**' choose this option and fill up all fields of '**Invoice address**' then press the '**Continue**' button. If you want to modify your previous data choose the '**Back**' button.

Purchase

✓ Email verification
Enter your email address ✓ User data
Enter the user data **3 Invoice data
Enter the invoice data** **4 Confirm checkout**

Enter the invoice data

Personal usage Company/Institution/Small Enterprise

Invoice address

Country	Region	
Andorra	Andorra la Vella	
ZIP code	City	Street
12345	Test city	Test street

< Back Continue >

If you want to register as a **‘Company/Institution/Small Enterprise’** choose this option and fill up all fields of **‘Company data’** and **‘Invoice address’** then press the **‘Continue’** button. If you want to modify your previous data choose the **‘Back’** button.

Purchase

✓ Email verification
Enter your email address

✓ User data
Enter the user data

3 Invoice data
Enter the invoice data

4 Confirm checkout

Enter the invoice data

Personal usage Company/Institution/Small Enterprise

Company data

VAT number
VAT number

Company name
Company name

Registration number
Registration number

Name of the official representative
Name of the official representative

Role at the company
Role at the company

Company email
Company email

Bank account
Bank account

Invoice address

Country
Andorra

Region
Andorra la Vella

ZIP code
12345

City
Test city

Street
Test street

< Back Continue >

After checking the ‘**Invoice data**’ accept the ‘**Data are correct and complete**’ and ‘**Accept terms and conditions**’ then press the ‘**Go to payment**’ button. If you want to modify your data choose the ‘**Back**’ button.

Purchase

✔ **Email verification**
Enter your email address

✔ **User data**
Enter the user data

3 **Invoice data**
Enter the invoice data

4 **Confirm checkout**

Review and confirm

Package include

[Euvision Basic](#) Euvision basic package includes 4 different state of the art stereovision tests, visual acuity measurement. Service expires either when the 500 examinations are used up or the 1 year has expired. Unit price: 99.00 €
 VAT: 27.00 %
 Vat price: 26.73 €

Total price: 125.73 €

Invoice data

<p>User data</p> <p>Name: Test Researcher Email: [redacted] Workgroup: Test</p>	<p>Invoice address</p> <p>Country: Andorra Region: Andorra la Vella07 ZIP code: 12345 City: Test city Address: Test street</p>
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Data are correct and complete

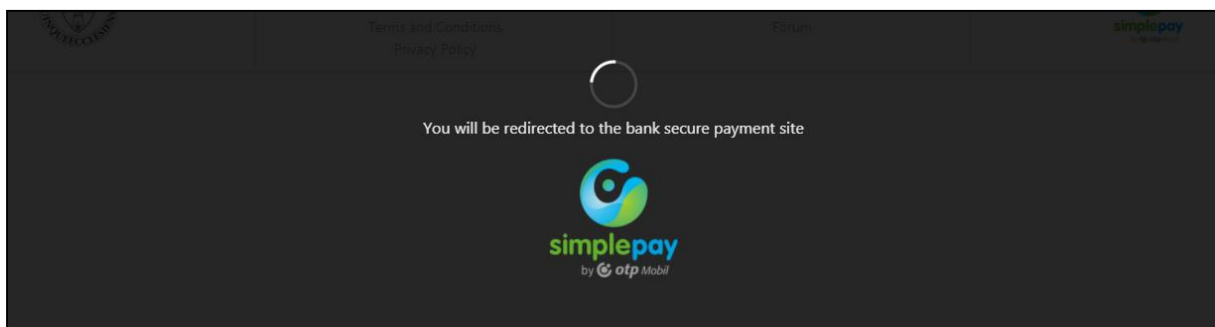
Agree ←

I acknowledge the following personal data stored in the user account of EUVISION Szolgáltató KFT. (Hungary 7623 Pécs Semmelweis utca 32. 3. em.) in the user database of <https://tab.euvision.hu> will be handed over to OTP Mobil Ltd. and is trusted as data processor. The data transferred by the data controller are the following: Name, Email, Company name, Country, Region, City, ZIP code, Address. The nature and purpose of the data processing activity performed by the data processor in the SimplePay Privacy Policy can be found at the following link:<http://simplepay.hu/vasarlo-aff>

Accept terms and conditions ←

→
< Back
→
✔ Go to payment

After pressing the ‘**Go to payment**’ button wait for redirection to the ‘SimplePay’ secure payment site.



Fill up the ‘Country’ input field with your country and press the ‘Pay’ button.

simplepay by otp mobil

BANK CARD PAYMENT Language: ENGLISH

BACK TO MERCHANT'S WEBSITE **Eu vision** EUVISION Szolgáltató KFT. CUSTOMER ^ PRODUCT v TOTAL: **125.73 EUR**

BILLING ADDRESS

Name: Test Researcher

Email: researcher@test.com

Postcode / City: 12345 / Test city

Street: Test street

Country: Hungary

Phone number:

If you already have a Simple account

simple PAY WITH SIMPLE ACCOUNT > PAY WITH QR CODE >

VISA

4908 3660 9990 0425 (Card details succe

Sandbox Test

10/22

REGISTER SIMPLE ACCOUNT

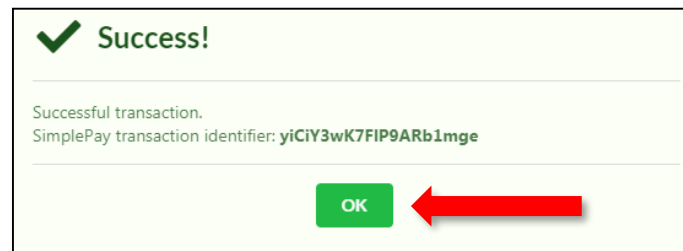
Next time, you will be able to pay without having to enter your card details, by simply using a password!

PAY

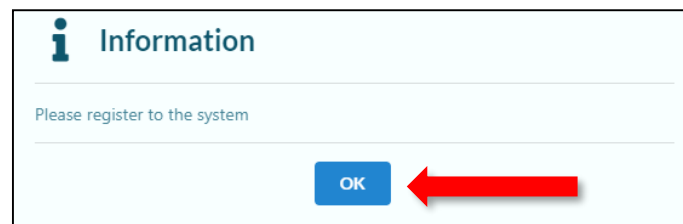
Customer service
Phone number: +36(1)366-6611 | +36(20)366-6611 | +36(30)366-6611 | +36(70)366-6611
Email: ugyfelszolgalat@simple.hu

Developed and operated by **otp Mobil**

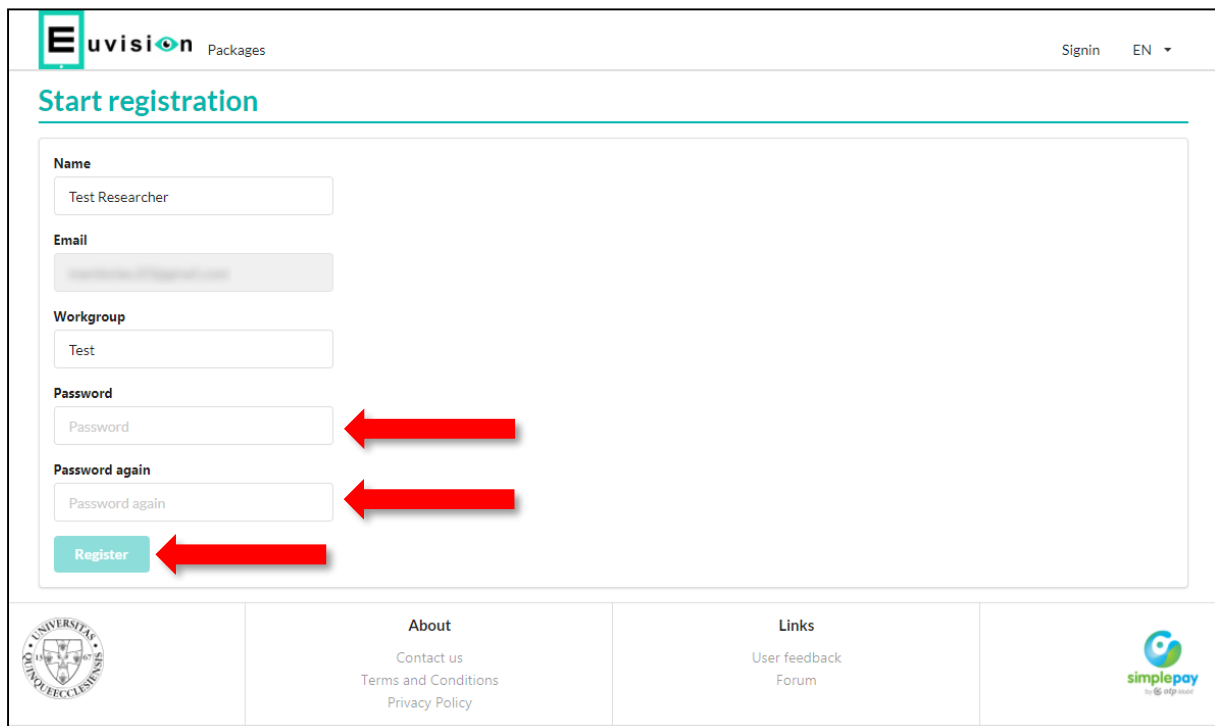
After successful payment press the ‘OK’ button...



...then register in the system after pressing the ‘OK’ button.



Create a ‘**Password**’ to your account and repeat it in the ‘**Password again**’ input field and press the ‘**Register**’ button. The password must contain minimum eight characters, at least one uppercase letter, one lowercase letter, one number and one special character (#?!@\$%^&*~).

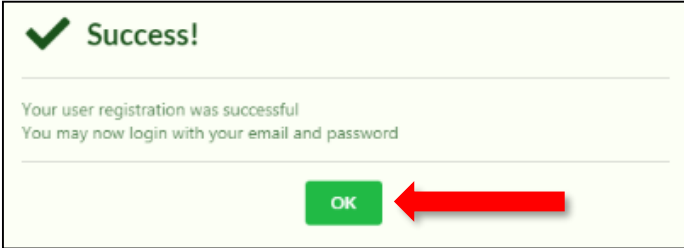


The "Start registration" form on the Euvision website. It includes the following fields and buttons:

- Name:** Test Researcher
- Email:** [Redacted]
- Workgroup:** Test
- Password:** Password (with a red arrow pointing to the field)
- Password again:** Password again (with a red arrow pointing to the field)
- Register:** A teal button (with a red arrow pointing to it)

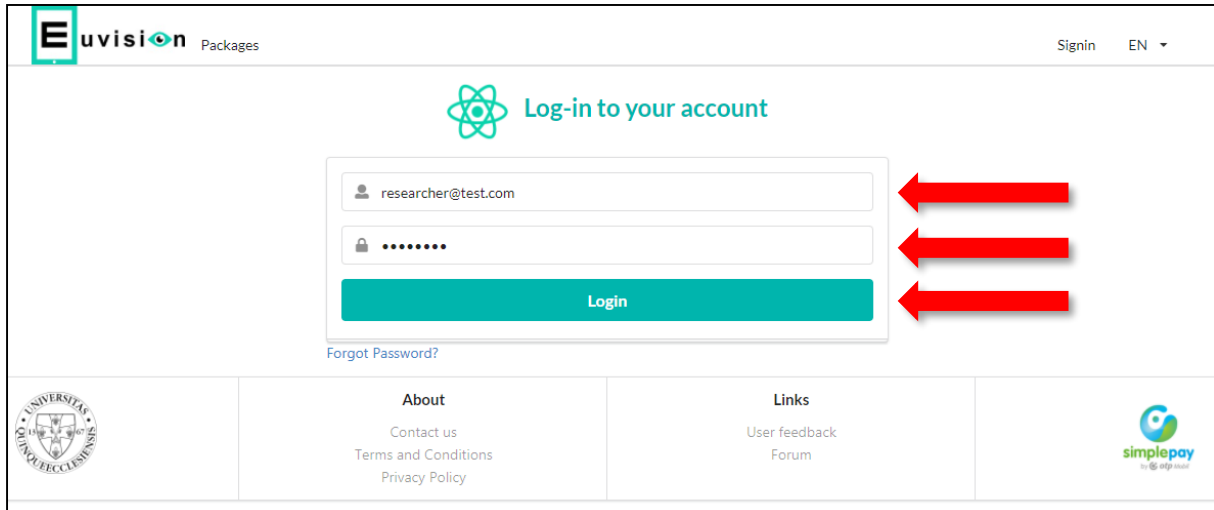
The footer contains the University of Twente logo, "About" links (Contact us, Terms and Conditions, Privacy Policy), "Links" (User feedback, Forum), and the SimplePay logo.

After successful registration press 'OK' to login.




2. Login to website

Login with your e-mail address and password (manage.euvision.hu).



Euvision Packages Signin EN ▾


 **Log-in to your account**

Login

[Forgot Password?](#)

About
Contact us
Terms and Conditions
Privacy Policy

Links
User feedback
Forum



3. Patient management

Choose the ‘**Patients**’ menu to manage your patients’ data. You can import a patient list or you can add them manually one by one.

The screenshot shows the 'Patients' management page in the Euvision system. At the top left, the 'Patients' menu is highlighted with a red arrow. Below the header, there is an 'Add' button and a file selection area with options for 'Fájl kiválasztása', 'Nincs fájl kiválasztva', 'Import', and 'Download template'. A search section includes filters for 'First name', 'Middle name', 'Last name', 'Medical ID', 'Date of birth', and 'Last examination date', along with 'Search' and 'Clear filters' buttons. A table displays patient data with columns for 'Full name', 'Date of birth', 'Registration date', 'Registered by', 'Medical ID', and 'Last examination date'. One patient, 'John Doe', is listed with a 'Details', 'Edit', and 'Remove' button. The footer contains the University of Debrecen logo, 'About' links (Contact us, Terms and Conditions, Privacy Policy), 'Links' (User feedback, Forum), and the SimplePay logo.

a. Import patient list

In case of patient list import, choose the ‘**Download template**’ menu to download a prepared Excel file for import.

The screenshot shows the 'Patients' management page. At the top, there is a navigation bar with 'Patients' and 'Packages' tabs, and user information 'Test', 'Test Researcher', and 'EN'. Below the navigation, the 'Patients' title is displayed. A blue 'Add' button is visible. A file selection area contains a 'Select file' button, a file picker showing 'Fájl kiválasztása' and 'Nincs fájl kiválasztva', an 'Import' button, and a 'Download template' button. A red arrow points to the 'Download template' button. Below this are input fields for 'First name', 'Middle name', 'Last name', 'Medical ID', 'Date of birth' (YYYY-MM-DD), and 'Last examination date' (YYYY-MM-DD). There are 'Search' and 'Clear filters' buttons. A table lists patient records with columns: 'Full name', 'Date of birth', 'Registration date', 'Registered by', 'Medical ID', and 'Last examination date'. One record for 'John Doe' is shown with buttons for 'Details', 'Edit', and 'Remove'. The footer contains a university logo, 'About' (Contact us, Terms and Conditions, Privacy Policy), 'Links' (User feedback, Forum), and a 'simplepay' logo.

Open the downloaded Excel file, then fill up the table, each row corresponds to one patient. Do not modify the header (first row) because the system cannot import the file properly. The obligatory fields are the **FirstName**, **LastName**, **BirthDate** and **MedicalId**. The format of the **BirthDate** must be an Excel date format but you can use any of them.

The screenshot shows an Excel spreadsheet with the following header row:

	A	B	C	D	E	F
1	FirstName	MiddleName	LastName	BirthDate	MedicalId	MotherName
2						
3						
4						
5						
6						
7						
8						

After filling up the table, save it then select this file and ‘**Import**’ it.

The screenshot shows the 'Patients' management page in the Euvision system. At the top, there are navigation tabs for 'Patients' and 'Packages', and user information including 'Test', 'Test Researcher', and 'EN'. Below the header, there is an 'Add' button and a file selection area. The file selection area shows a selected file named 'Patient_import_template.xlsx' and an 'Import' button, which is highlighted with a red arrow. Below the file selection area, there are search filters for 'First name', 'Middle name', 'Last name', 'Medical ID', 'Date of birth', and 'Last examination date'. A 'Search' button and a 'Clear filters' button are also present. Below the search filters, there is a table of patients with columns for 'Full name', 'Date of birth', 'Registration date', 'Registered by', 'Medical ID', and 'Last examination date'. The table contains one entry for 'John Doe' with a 'Details', 'Edit', and 'Remove' button. At the bottom of the page, there is a footer with the University of Queensland logo, 'About' links (Contact us, Terms and Conditions, Privacy Policy), 'Links' (User feedback, Forum), and the Simplepay logo.

After successful import the next message can be seen on the page, it can be closed by X-sign in the right upper corner.

The screenshot shows a success message notification box. The box has a light green background and a close button (X) in the top right corner. The message text reads: 'Success' followed by a bullet point: '• 2 patients are successfully imported'.

b. Add patient manually

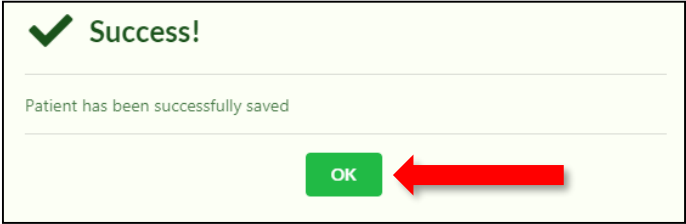
Choose the ‘Add’ button on the ‘Patients’ page.

The screenshot shows the 'Patients' page in the Euvision system. At the top left is the 'Euvision' logo and navigation links for 'Patients' and 'Packages'. On the right, there are dropdown menus for 'Test', 'Test Researcher', and 'EN'. The main heading is 'Patients'. A blue 'Add' button is prominently displayed with a red arrow pointing to it. Below the 'Add' button is a 'Select file' section with a file selection button, a message 'Nincs fájl kiválasztva', and 'Import' and 'Download template' buttons. The form below contains input fields for 'First name', 'Middle name', 'Last name', 'Medical ID', 'Date of birth' (with a calendar icon), and 'Last examination date' (with a calendar icon). There are 'Search' and 'Clear filters' buttons. Below the form is a table with columns: 'Full name', 'Date of birth', 'Registration date', 'Registered by', 'Medical ID', and 'Last examination date'. A single row shows 'John Doe' with various dates and 'Test Researcher' as the registered by. Action buttons 'Details', 'Edit', and 'Remove' are at the end of the row. The footer contains the University of Debrecen logo, 'About' links (Contact us, Terms and Conditions, Privacy Policy), 'Links' (User feedback, Forum), and the 'simplepay' logo.

Fill up all input fields (‘Middle name’ is not obligatory) then press ‘Save’ button. If you do not want to save the patient’s data press the ‘Cancel’ button and you will go back to the ‘Patients’ page. If you want to write manually the ‘Date of birth’ instead of the usage of built-in calendar (to open it click on the right side of input field) type only the numbers (i.e. 19910101) and click anywhere on the screen but do not use tabulator to leave this field.

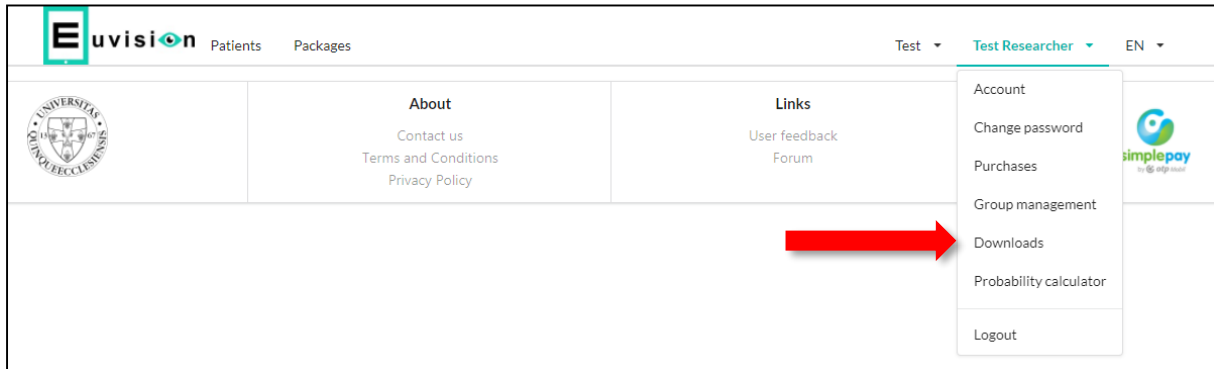
The screenshot shows the 'Add patient' form. The form fields are grouped into a red-bordered box. The fields are: 'First name', 'Middle name', 'Last name', 'Date of birth' (with a calendar icon), 'Mother name', and 'Medical ID'. Below the form are 'Save' and 'Cancel' buttons, with a red arrow pointing to the 'Cancel' button. The footer is identical to the previous screenshot, showing the University of Debrecen logo, 'About' links, 'Links', and the 'simplepay' logo.

After successful saving press the 'OK' button to go back to the 'Patients' page.

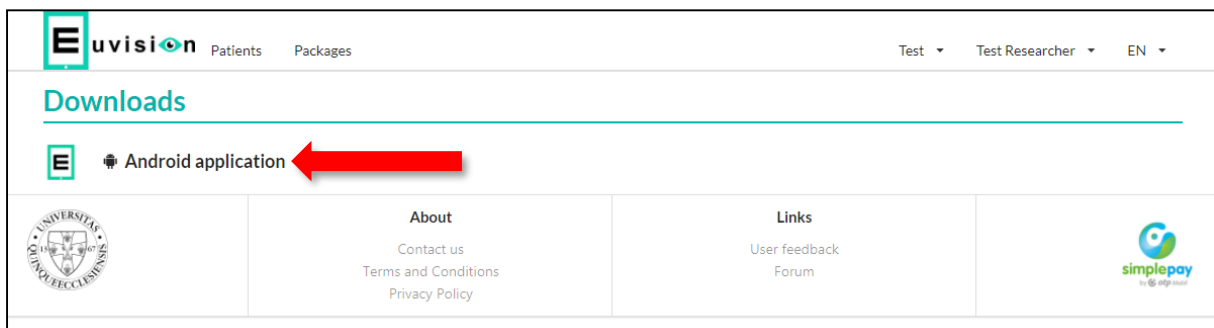


4. Download and install application

Use your Android device (for other operating systems is not available yet) to download the application and not your computer. The EuvisionTab® application is available for download on website, after login (see details at the [Login to website](#)) choose the ‘**Downloads**’ submenu from the dropdown menu. Website: manage.euvision.hu

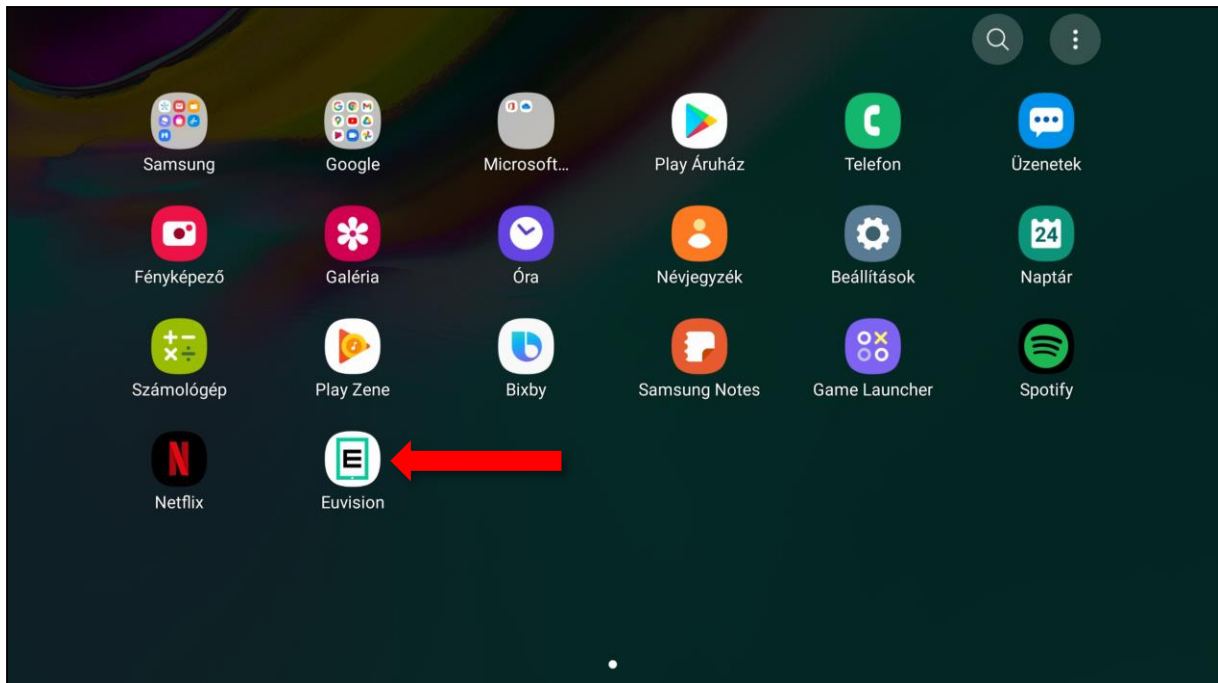


Choose the ‘**Android application**’ to download the *apk* file and install it. Since your device considers any application outside of Google Play an “unknown app”, you need to allow installation of apps from unknown sources. Most of the devices ask it at the beginning of installation, in other cases this setting is available at Settings > Security > Unknown sources (it could be different on various devices).



5. Usage of application

Start the EuvisionTab® application on your Android device.

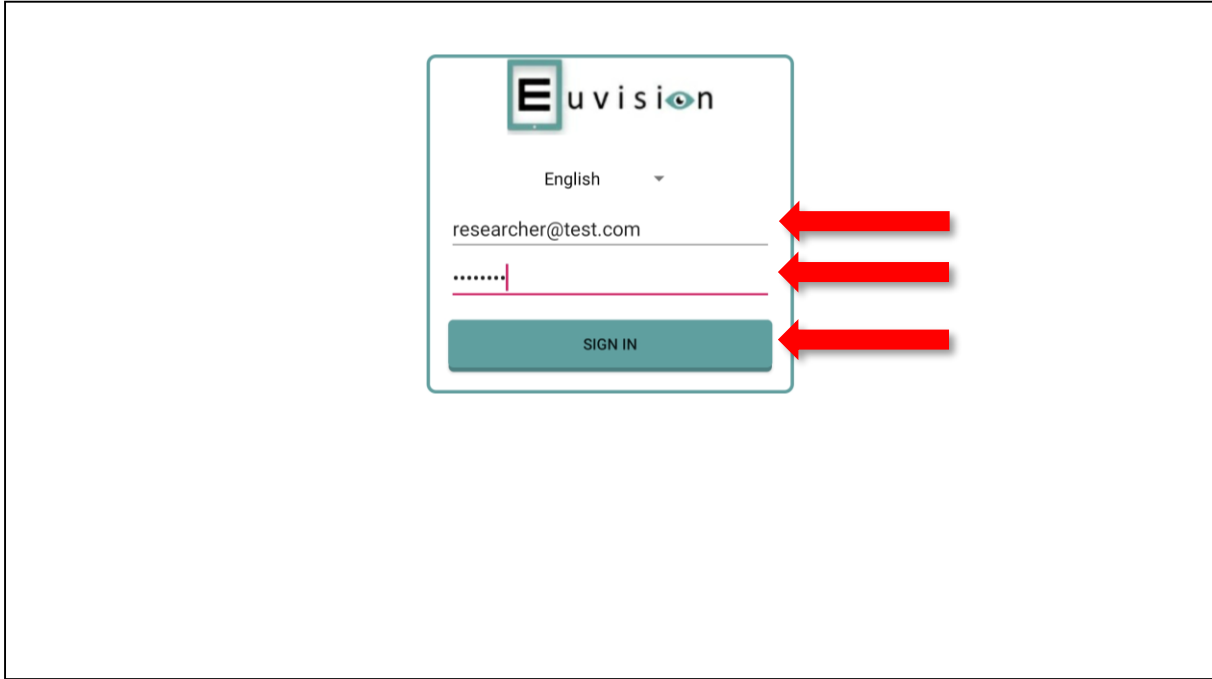


This program is optimized for 10.1 inches tablet display, however, essentially should work on all android device. Various hardware may display certain pages incorrectly. Please, [send us a feedback](#) if you experience any inconvenience!

Change language to English / Spanish. If you want to change the language setting later, you have to sign out and return to this screen.



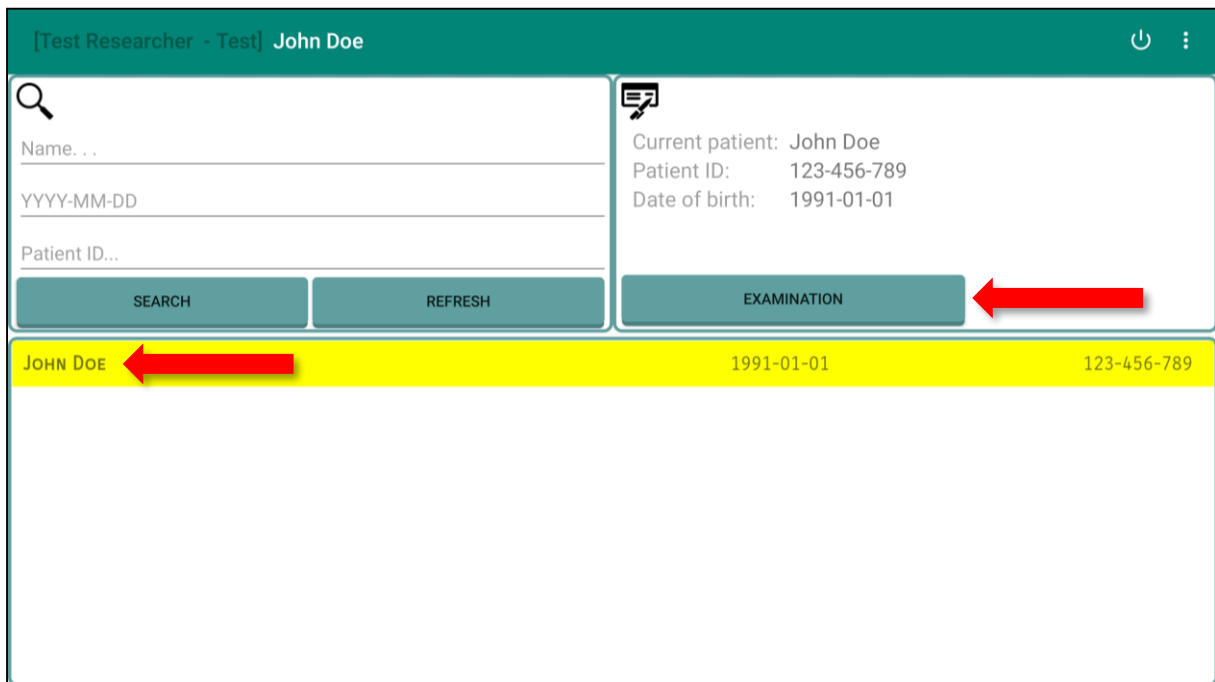
Sign in with your e-mail address and password (same as the website login).



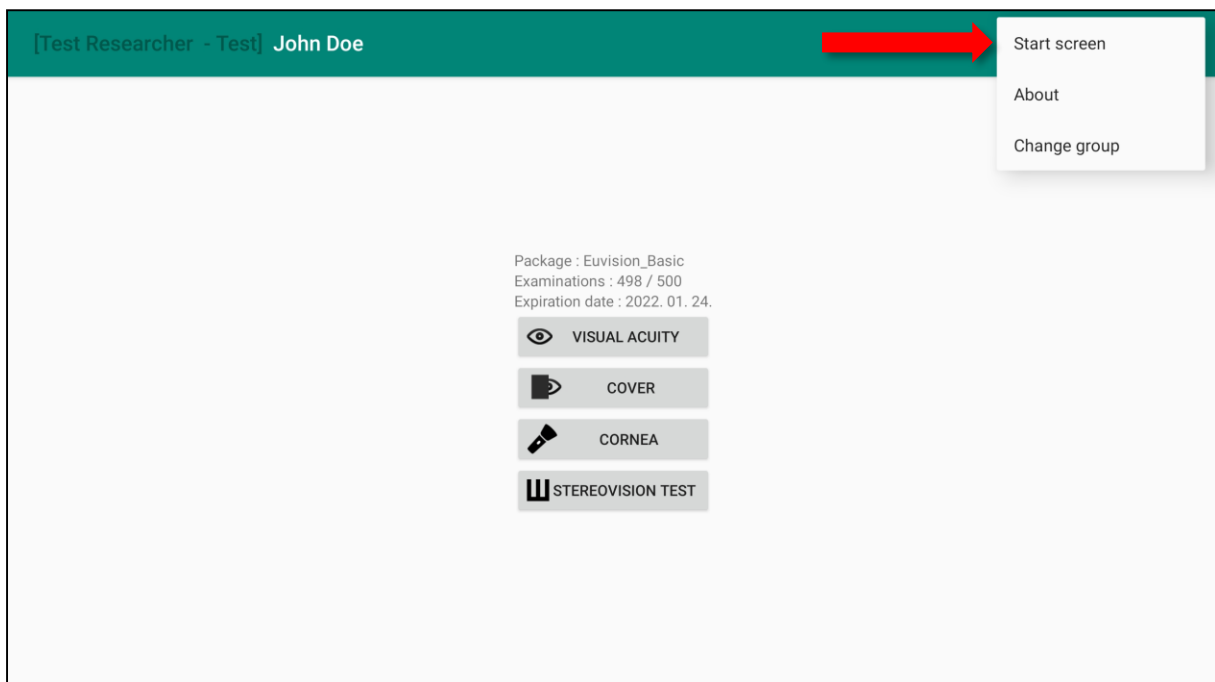
Press the 'Examination' button.



Choose a patient then press the ‘**Examination**’ button.



After finishing the test you can go back to the patients with the ‘**Start screen**’ menu.

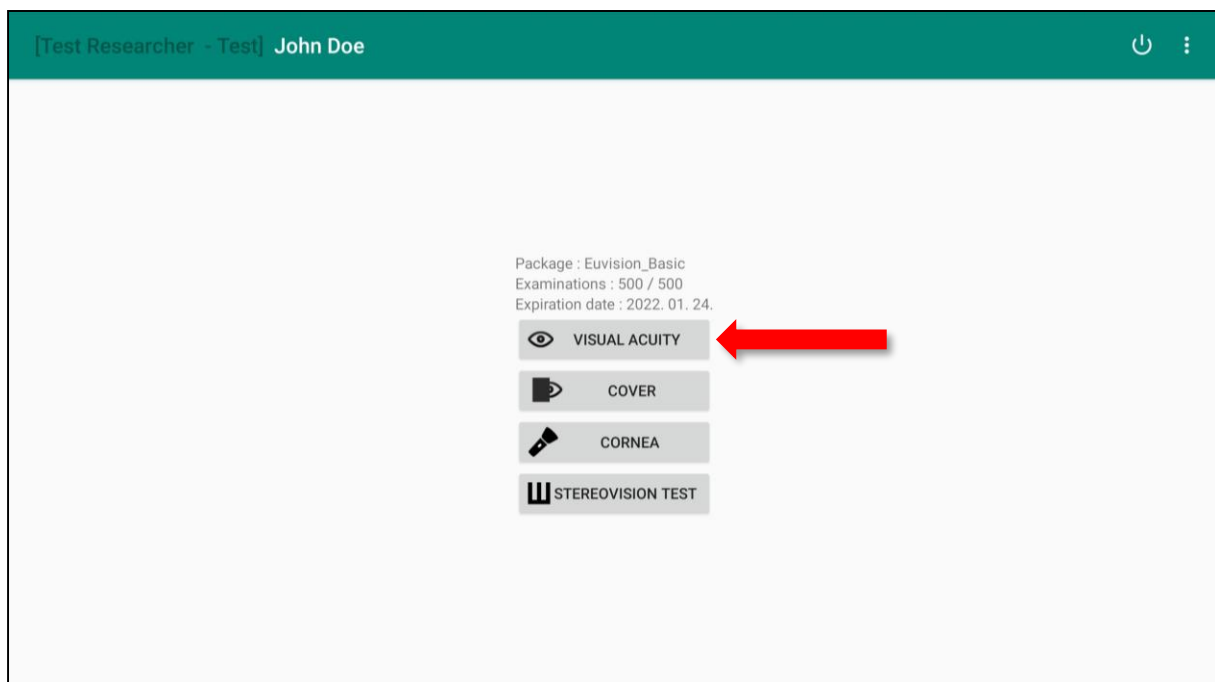


a. Examination of visual acuity

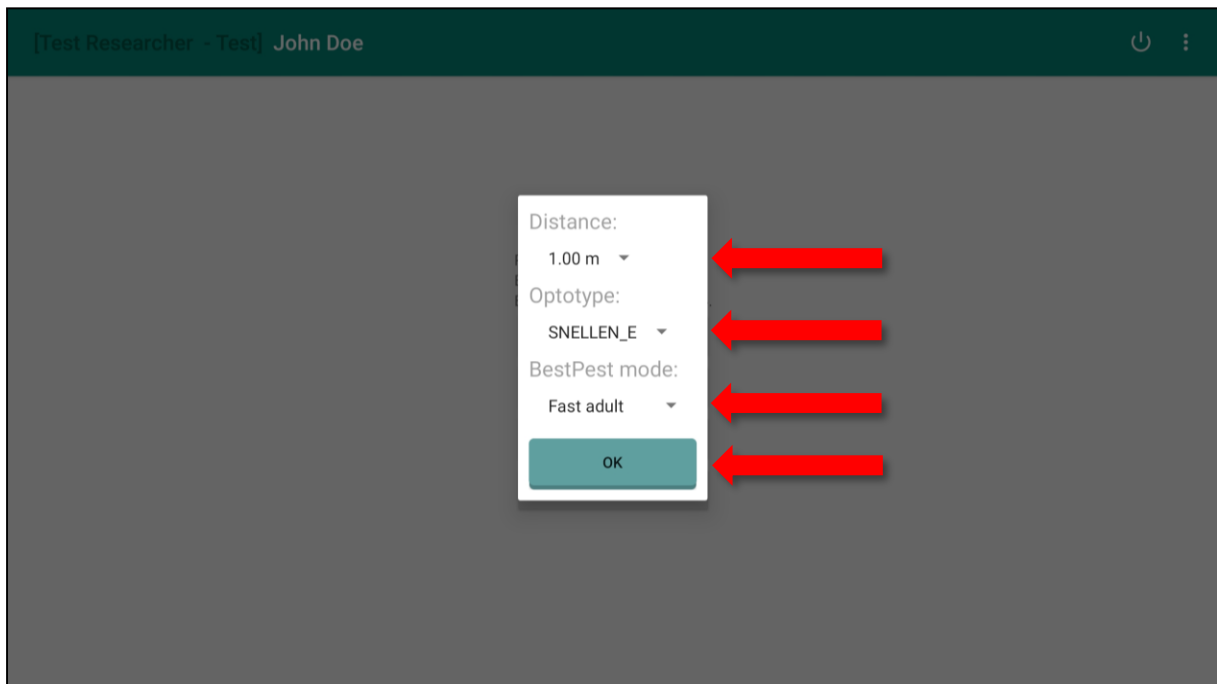
Euvision visual acuity test uses the so-called BestPest adaptive threshold algorithm. A mathematical algorithm automatically calculates the best probable visual acuity after each input from the patient and presents the size of the optotype which carries the highest information to determine inflection point of the psychometric function which determines visual acuity. For the test, all you have to do is select and maintain the viewing distance. For adults, select the Landolt C with 8 orientations. Start the program and enter the correct and incorrect responses of the patients. At the beginning, the eye to be examined is indicated on the screen. For the BestPest method you can choose the “Fast adult”, which will present 16 trials for each eye. For children, depending on the age, the Snellen-E is preferred. Since Snellen-E has only 4 orientations, for reliability, at least 24 trials are needed for each eye to achieve accurate results, select “Fast Children”. Do not be surprised. If you repeat the measurement small deviation can be detected between measurements. For more detailed description of the technique see the [Literature](#).

Before you start testing make sure that your mobile device is set to the maximum brightness and automatic or adaptive brightness adjustment is turned off! It is also useful to set the display sleep time to a longer time.

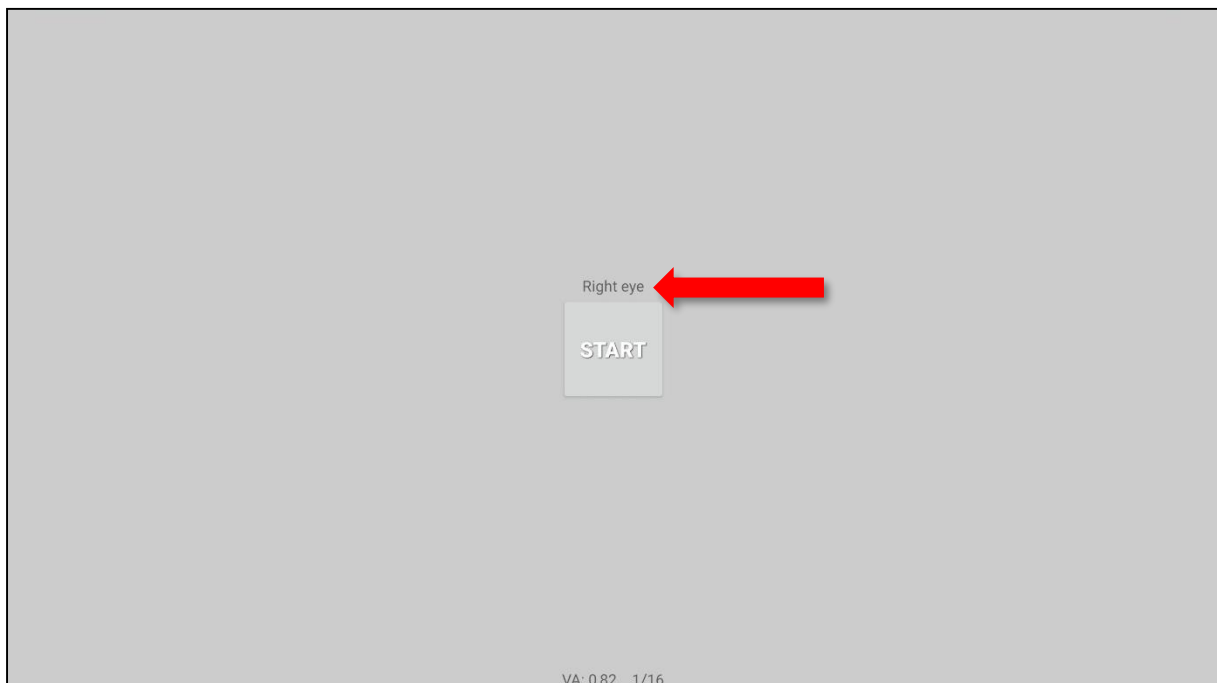
For visual acuity measurement press the ‘Visual acuity’ button.



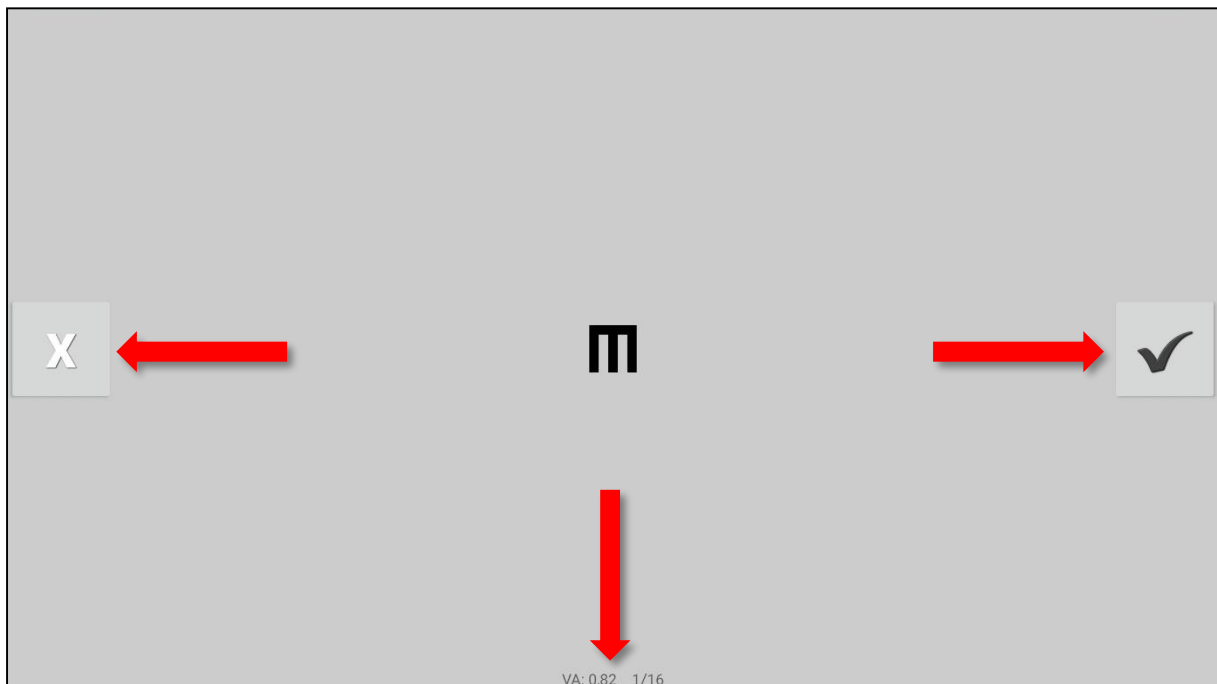
In case of visual acuity examination you can set '**Distance**', '**Optotype**' and '**BestPest mode**' parameters. All setting parameters are available in the [Manual](#). After setting all parameters press '**OK**' button to start the examination.



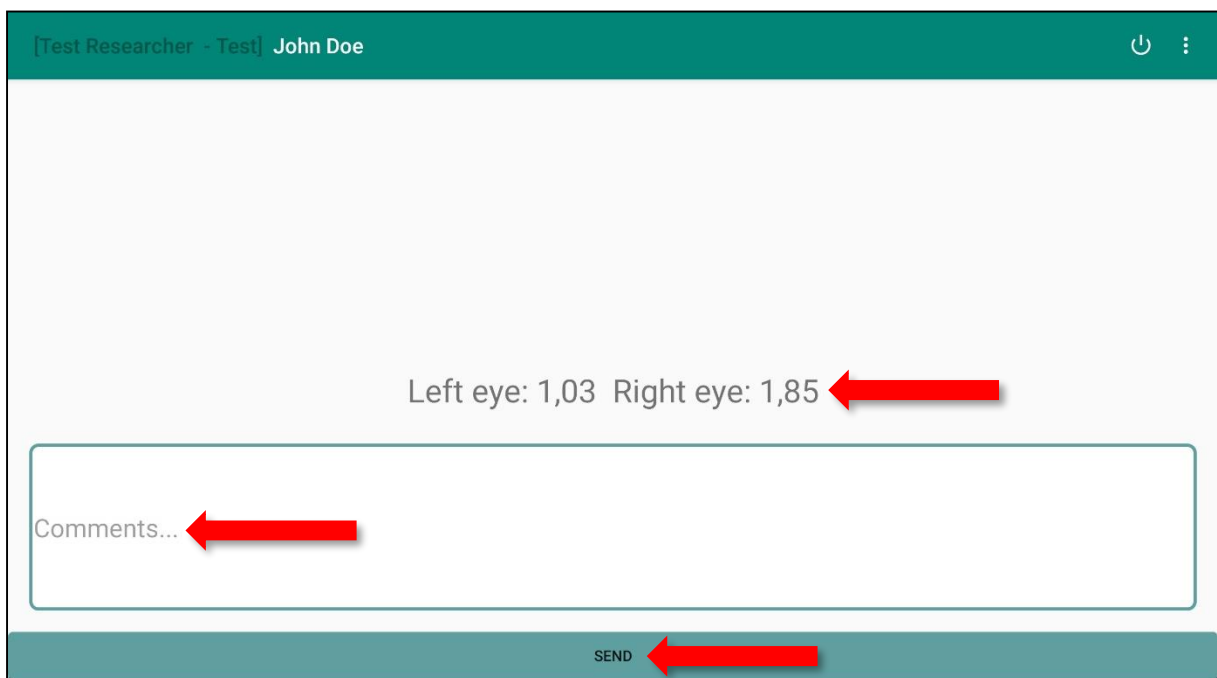
The visual acuity measurement starts with the right eye then continue it with the left eye.



During the visual acuity examination, you only need to select whether the patient's answer was correct (right button) or incorrect (left button). At the bottom you can follow the actually measured visual acuity and the current state of the progress.

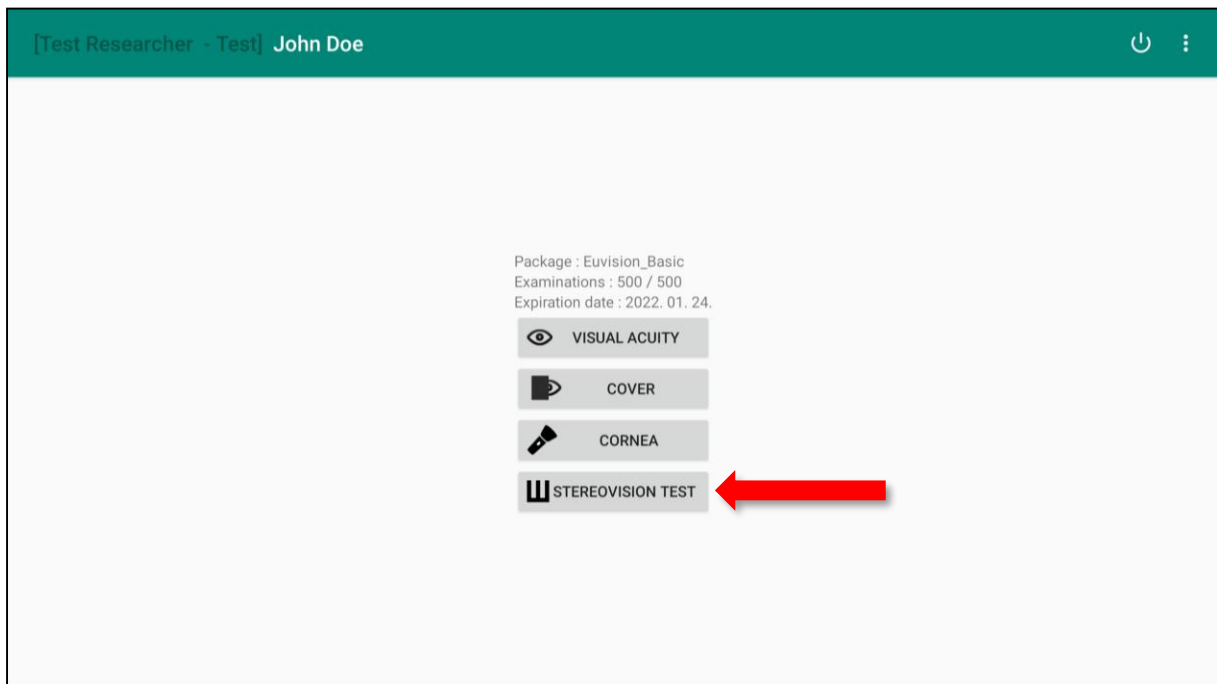


After the examination of visual acuity of both eye the result is immediately available on the screen. After writing comments (not obligatory) press the 'Send' button to save the data on the server.

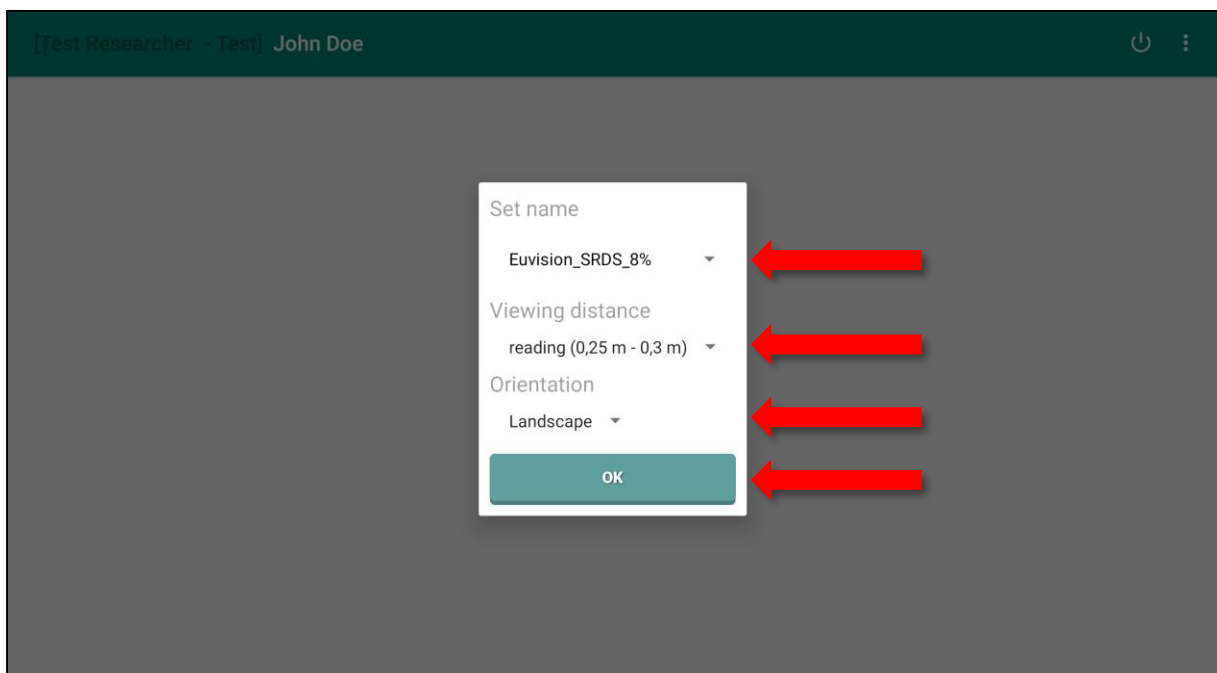


b. Examination of stereovision

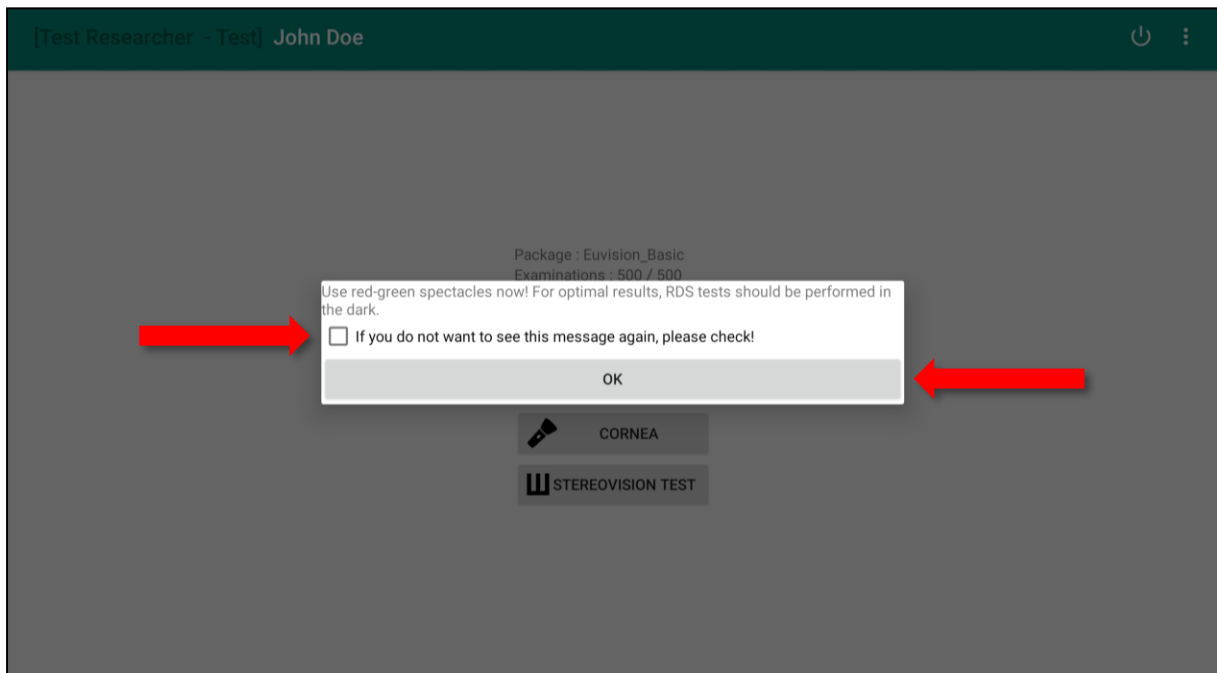
For stereovision test choose the ‘**Stereovision test**’ button.



In case of stereovision test you can choose the set of RDS, set the ‘**Examination distance**’ and the ‘**Orientation**’. In case of stereovision test several dot density settings are available, please see all setting parameters in the [Manual](#). After setting all parameters press ‘**OK**’ button to start the examination.



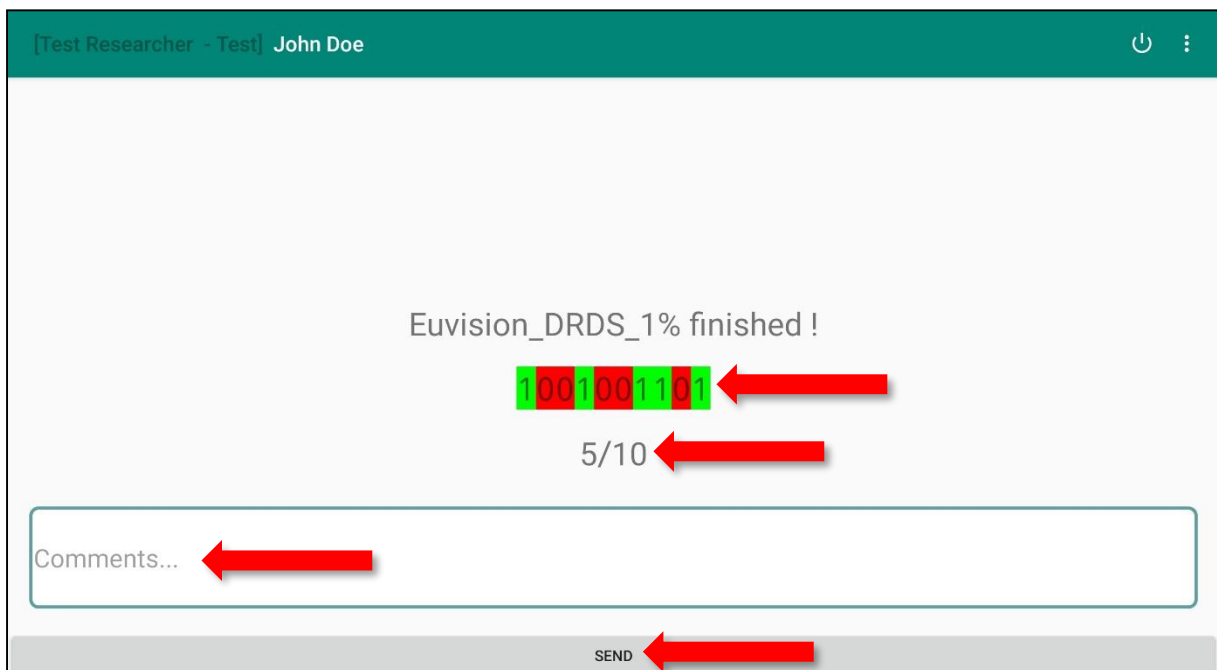
Before starting the stereovision test, the system sends a reminder of the tools and conditions required for a successful examination. If you check the box before pressing ‘OK’ this message will not appear next time.



After putting the red-green spectacles on the patient we can start the stereovision test. The patient has to tell which is the orientation of the branches of the Snellen-E letter and the examiner will press the appropriate silver button around the RDS. All setting data and actual frame rate (‘FPS’) of RDS can be read at the left upper corner.



After the stereovision test the result shows which answer was correct (green '1') or incorrect (red '0') and how much is the hit rate. After writing comments (not obligatory) press the 'Send' button to save the data on the server.



The evaluation of each set is available in the [Manual](#).

6. Patients' result on web

After saving the examination data in the Android application it will be available on the webpage (website: manage.euvision.hu), press the **Details** button on the **Patients** page to check them.

The screenshot shows the 'Patients' management interface. At the top, there is a navigation bar with the 'Euvision' logo and a 'Patients' link highlighted by a red arrow. Below the navigation bar, there is a search and filter section with input fields for 'First name', 'Middle name', 'Last name', 'Patient ID', 'Date of birth', and 'Last examination date'. A 'Search' button and a 'Clear filters' button are present. Below this is a table of patients. The first row shows a patient named 'John Doe' with a 'Details' button and a 'Remove' button. A red arrow points to the 'Details' button. At the bottom of the page, there are sections for 'About', 'Links', and logos for 'UNIVERSITAS' and 'simplepay'.

All data and examinations are available.

The screenshot shows the 'John Doe' patient details page. The top navigation bar includes 'Patients' and 'Packages' links. The main content area is titled 'John Doe' and contains a 'Details' section with the following information:

- Date of birth: 1/1/1991
- Registration date: 2/1/2021
- Registered by: Test Researcher
- Patient ID: 123-456-789
- Last examination date: 2/2/2021
- Mother name: Jane Doe

Below the details section is an 'Examinations' table, which is highlighted with a red box. The table has the following data:

Examination type	Date	Summary	Examiner comment
Visus	2/2/2021	Left eye: 0.36 Right eye: 0.29	
RDS	2/2/2021	Euvision_DRDS_1% - 5/6 P: 0.0046387	

Literature

Bach, M. The Freiburg Visual Acuity test--automatic measurement of visual acuity. *Optom Vis Sci* 73(1), 49-53 (1996)

Bach, M. The Freiburg Visual Acuity Test-Variability unchanged by post-hoc re-analysis. *Graefes Arch Clin Exp Ophthalmol* 245, 965–971 (2006).