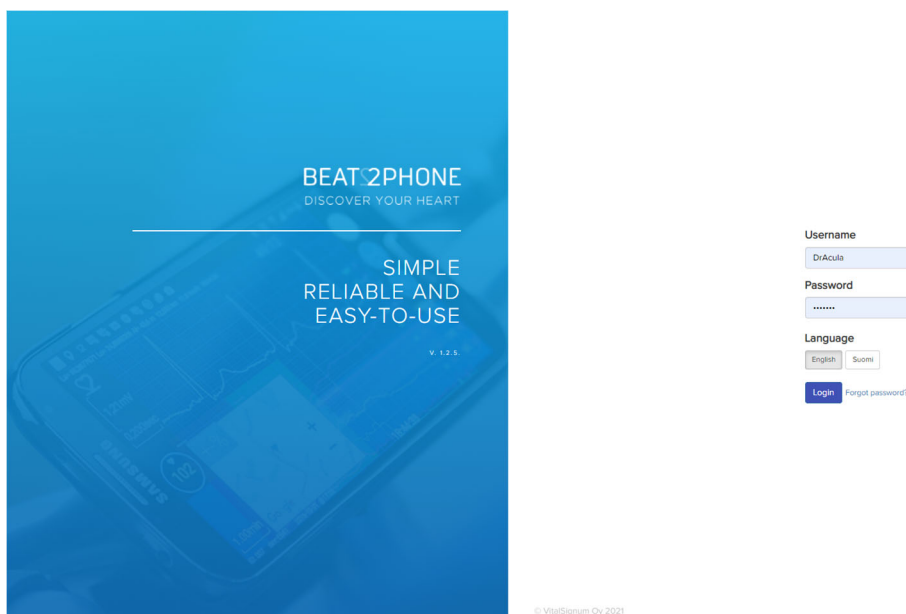


## Logging in and account settings

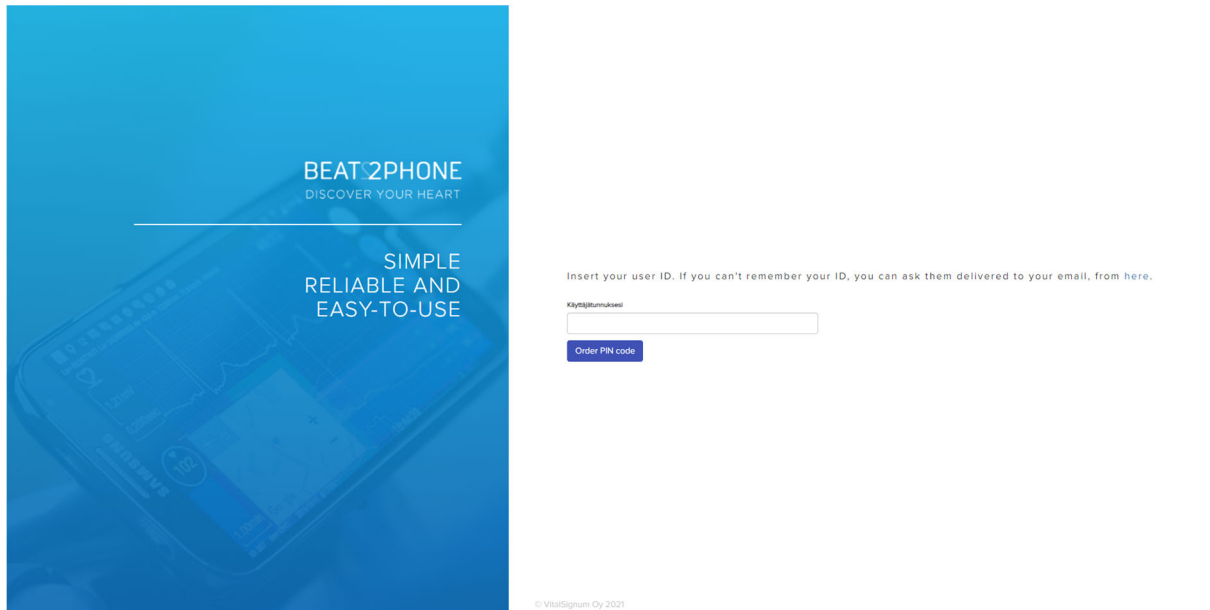
You can find the Beat2Phone ECG Cloud Service at <https://www.beat2phone.net>

Select language between English and Suomi (Finnish) prior to login.

To log in to the cloud service, use the username and password that you have created in the Beat2Phone ECG mobile application, or that have been created for you by your organization admin. If you try to log in with a wrong password too many times in a row, your user account will be locked for security reasons. You cannot log in to the cloud service or the mobile application with a locked account, you must unlock the account first. The account can be unlocked by following the instruction below, that are also used to restore a forgotten password.



If you have forgotten your password or if your account is locked, choose “Forgot password?” next to the login button. By inserting your user id, the system will send you a PIN code to reset your password. The PIN code will be sent to the email that was used to create your user profile. Password must be at least 6 characters long, and special characters are allowed.



If you cannot remember your user ID, you can order a list of your usernames to your email by clicking the link that says “here”.

Insert your user ID. If you can't remember your ID, you can ask them delivered to your email, from [here](#).

A form to input your email opens. By inputting the email that you used to create your profile, the system sends your username(s) to your email.

After successfully logging in, you can change your account settings from the “Account” button in the top right corner.

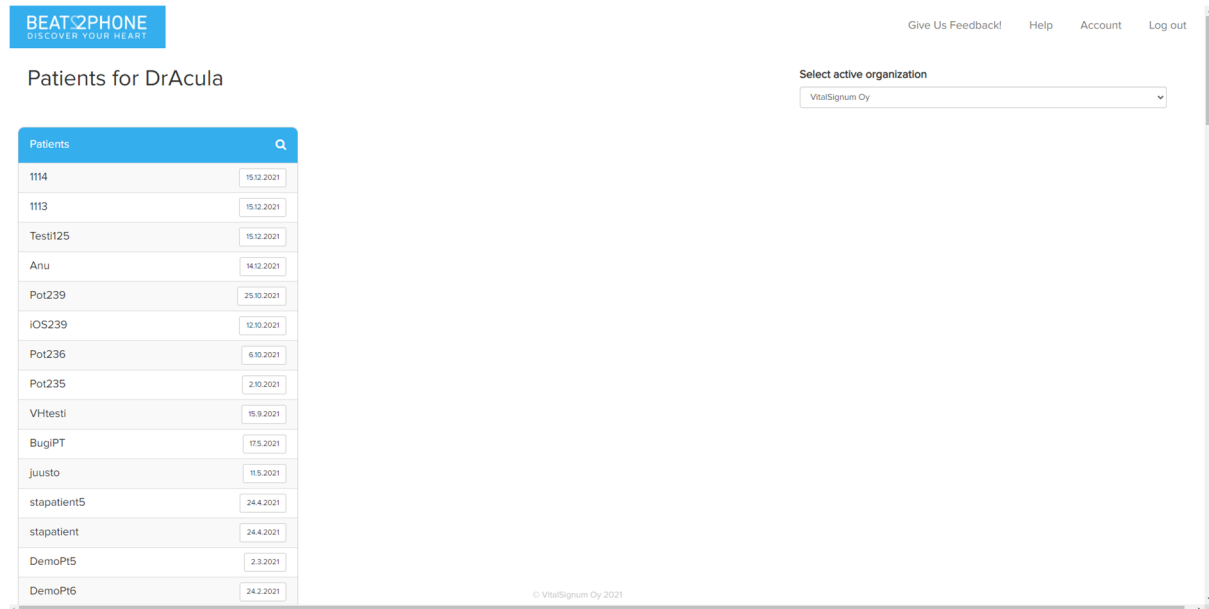
## Account

Currently a professional can only change email and password. Once you have made the changes you get the message from the service with re-login and user profile restoring.

After which you need to login again.

## Patient and measurement list view

After logging in, you will see a list of patients belonging to your organization. Select active organization is visible only when you belong to several organizations.



Patients	
1114	15.12.2021
1113	15.12.2021
Testi125	15.12.2021
Anu	14.12.2021
Pot239	25.10.2021
IOS239	12.10.2021
Pot236	6.10.2021
Pot235	2.10.2021
VHtesti	19.9.2021
BugiPT	17.5.2021
juusto	11.5.2021
stapatient5	24.4.2021
stapatient	24.4.2021
DemoPt5	2.3.2021
DemoPt6	24.2.2021

You will see a list of patients. The uppermost patient is the patient with the most recent measurement. To open the ECG view of the most recent measurement of a patient, click on the button with the date and time of the measurement.

15.12.2021

NOTE: Beat2Phone ECG sensor- CE<sub>0598</sub> must be used for the patient ECG measurement to be listed.

To add new patients to your organization, scroll down to the end of the patient list and select “Add patient”.

Add patient


A form to input the patient ID opens.

To choose a patient that you wish to examine more closely, click on the name of the patient.

NOTE: in case a Beat2Phone ECG user has shared her results with the professional, this user ID will appear on the patient list and this user’s recordings are available to view. See ‘Access to private customer shared recordings’.

Patients		
Testi125	14.12.2021	
1114	9.12.2021	
1113	25.10.2021	

A list of measurements for the selected patient opens. The uppermost measurement is the most recent one. The duration of the measurement is shown in the duration field.

1114   vitalsignum					
REPORT	Selected duration: 17h 22m 15s				
<input checked="" type="checkbox"/>	Time (dd.mm.yyyy)	Duration	Findings (ATTENTION)	Sensor	
<input type="checkbox"/>	08.10.2021 15:12	21m 46s	4	ECG	12c4
<input type="checkbox"/>	06.07.2021 11:01	3h 6m 1s	8	ECG	4712
<input type="checkbox"/>	02.07.2021 13:43	1h 25m 30s	0	ECG	4712
<input type="checkbox"/>	16.06.2021 8:18	4h 20m 21s	11	ECG	
<input type="checkbox"/>	20.05.2021 10:41	1h 4m 45s	3	ECG	ab03
<input type="checkbox"/>	20.05.2021 10:37	27s	1	ECG	ab03
<input type="checkbox"/>	20.05.2021 10:06	1m 53s	2	ECG	ab03
<input checked="" type="checkbox"/>	20.05.2021 9:33	2m 30s	3	ECG	ab03
<input checked="" type="checkbox"/>	16.05.2021 13:11	6h 45m 23s	7	ECG	bf81
<input checked="" type="checkbox"/>	11.05.2021 6:51	10h 34m 21s	7	ECG	bf81

The findings field displays the number of different annotations made by the patient or by a professional and gives detailed information when hovered over.



## Findings Summary

Source	Type	#
Patient	Chest pain	2
DrMatti	Normal beat	1
Algorithm	Normal sinus rhythm	19
Algorithm	Sinus bradycardia	19
Algorithm	Sinus arrhythmia	1
Algorithm	Supraventricular premature or ectopic beat (atrial or nodal)	11
Algorithm	Premature ventricular contraction	4

If your organization has bought the Beat2Phone ECG analytics service<sup>1</sup>, the findings field will also display those annotations. Hovering over the findings button opens a list of unique annotations. The list includes the source and type of annotation, and the number of those annotations in the recording. The source of an annotation can be the patient, algorithm, or the user ID of a professional user.

Measurements that have not been opened by a professional are marked with bold text. Once the ECG is opened, the bolding is removed. Just viewing the findings will only temporarily remove the bolding. You can also mark the measurement read or unread by hovering over the line and clicking the envelope symbol at the sensor column.



ATTENTION: Algorithm annotations are not intended to be the sole means of diagnosis for any abnormal ECG. They are offered to physicians on an advisory basis only, in conjunction with the physician's knowledge of ECG.

The ECG button opens the ECG chart view.

ECG

The measurement list also includes search functions behind the magnifying glass symbol that can be used to filter the list of measurements with several different criteria, for example measurement duration and types of annotations.

---

<sup>1</sup> Analytics service is provided by Cardiolyse CE<sub>0197</sub>-marked software algorithm

1114 | vitalsignum

Search annotations

Search

Choose annotations

Select...

Choose sources

Select...

Date

Start

-

14.12.2021

Duration minimum

Hours

Minutes

Search

Clear

Duration maximum

Hours

Minutes

Choose a recording you wish to examine by clicking the name of the recording.

Details about the measurement open to the right in a Findings column.

## Findings

Time: 30.01.2023 12:01, Sensor: 872f

EDF

PAPER	Time	Source	Type	Description
<input type="checkbox"/>	12:01	Algorithm	(N	Normal sinus rhythm
<input type="checkbox"/>	12:05	DrMatti	N	Normal beat
<input type="checkbox"/>	12:11	Algorithm	(SBR	Sinus bradycardia
<input type="checkbox"/>	12:11	Algorithm	(N	Normal sinus rhythm
<input type="checkbox"/>	12:14	Patient	F4	Chest pain
<input type="checkbox"/>	12:15	Algorithm	V	Premature ventricular contraction

In this list, each annotation made by the patient, a professional, or the Beat2Phone ECG analytics service algorithm is displayed along with its time, type and description. By choosing an annotation from the list, the ECG graph view opens, and the ECG graph will be centered around the chosen annotation.

ATTENTION: Algorithm (alg) annotations are not intended to be the sole means of diagnosis for any abnormal ECG. They are offered to physicians on an advisory basis only, in conjunction with the physician's knowledge of ECG.

NOTE: The algorithm (alg) adds N marking of normal beat for first normal beat detected at the beginning of the recording and after each abnormal beat. Algorithm also adds (N marking of normal sinus rhythm detected at the beginning of the recording and after each abnormal rhythm.

You can create a millimeter paper report from the chosen annotations from the PAPER button. From the EDF button, you can download the ECG recording as an EDF file.

## Consultation request

A professional user can request a consultation for a patient recording from another professional in a consulting organization. Start the request process by choosing a patient that you need consultation for. After choosing the patient, use the checkboxes to select the recordings you want to attach to the consultation request. Next, click the Ask

[Ask Consultation](#)

Consultation button.

A form to input details about the patient opens.

## CONSULTATION REQUEST FOR THE SELECTED 1 RECORDINGS

Asking consultation from *devvitalsignum*Symptom clarification ☐

\* = Required

Finding atrial fibrillation ☐

Age \*

Gender \*

☐ Man ☐ Woman ☐ Other

Height (cm)

Weight (kg)

Medication at the start of registration ☐Diagnosed heart diseases ☐Diagnosed arrhythmias ☐Diagnosed stroke or TIA ☐

Have the following symptoms occurred?

Heart murmurs ☐Feeling of slow heart rate ☐Feeling of quickened heart rate ☐Heart palpitations ☐

The consulting organization is shown on top of the form – “Asking consultation from ‘consulting organization’”. Fill in the details and click send. The consultation request is now sent from your organization to the consulting organization specified. You should now see an icon next to the patient in the patient list.



The icon indicates the status of your consultation request, and is updated when a consultant has viewed your request, and when a consultant has responded to your request.

When the dark green bar in the consultation request icon is full, a consultant has responded to your request.



You can view the request and response by clicking the consultation icon. To view all patient recordings click the patient ID on the list of patients

## Responding to a consultation request at the consulting organization

When you receive a consultation request as a professional in the consulting organization, you can see a new patient in the patient list, with an icon that indicates that there is a consultation request that needs attention.

243PT



You can view the consultation request and the attached recordings by first clicking the consultation icon. This opens the list of recordings just like with normal patients that belong to your organization. Click the Show consultation request button to view the consultation request.

[Show consultation request ?](#)

You can also view the ECG recordings and the report as you could with normal patients. When you are ready to respond to the request, write your response in the text box, fill in your name and title, and click send. Your response is sent to the person who requested the consultation.

**Consultation request of 243PT | VitalSignum Oy**

[Show the report](#) [Show consultation request ?](#) [Consultation history ▼](#)

Normal▼ **B** *I* U ↺ ↻ Paste

Enter consultation text...

Title and Signature:

[Send](#)

Time (dd.mm.yyyy)	Duration	Findings ( <a href="#">ATTENTION</a> )	Sensor
26.04.2023 16:46	6m 32s	1	<a href="#">ECG</a> 6a2a

Clicking just the new patient ID returns no recordings to see, only the ones under each consultation request are visible to the consulting organization professional.

243PT | VitalSignum Oy

Consultation history ▾

Time (dd.mm.yyyy)	Duration	Findings (ATTENTION)	Sensor
No recordings			

## Access to private customer shared recordings

Private customers can share their recordings with a professional user through their account management. They need the professional user email address to initiate sharing their recordings for a selected period of time.

Account

Username: risto  
Created: 28.02.2019  
Modified: 11.05.2021  
Edit

Buy a new license Add license code

Permission granting

Grant permission to access your data for  
risto.soila@vitalsignum.com  
For today and next 7 days (max. 30)  
Save

risto.soila@vitalsignum.com 31.08.2022 - 07.09.2022 Cancel

The professional having an existing Beat2Phone ECG account and organization (Testi961 in the example) receives an email notification about the shared access to private user recording:

"Sinulle on jaettu pääsy käyttäjän Risto Soila Beat2Phone EKG-mittauksiin. Näet ne kirjautumalla osoitteessa <https://beat2phone.net/> tunnuksella DrAcula organisaatiossa Testi961. Mittaukset löydät merkittynä potilaalle, jonka tunnus on risto. Jako on voimassa 6.9.2022 asti. - You have been shared access to the Beat2Phone ECG measurements of Risto Soila. You can see the measurements by logging in to <https://beat2phone.net/> with the userid DrAcula in Testi961. You can find the measurements with the patient id risto. The share can be accessed until 6.9.2022."

The professional without an existing Beat2Phone ECG account will be created one with the professional email address as the user ID and automatically generated password to login to the service.

The private user ID is shown on the professional list of patients and recordings can be viewed as for any patient.

Patients for DrAcula

Patients

Risto  
risto  
Add patient

risto | Testi961

REPORT

Time (dd.mm.yyyy)	Duration	Findings (ATTENTION)	Sensor
03.06.2021 11:16	19h 33m 32s	0 ECG	872f
25.05.2021 16:44	27m 9s	0 ECG	4712
11.05.2021 17:09	17m 19s	0 ECG	a2e1
11.05.2021 16:31	36m 3s	0 ECG	a2e1
11.05.2021 15:46	31m 56s	0 ECG	a2e1

Select active organization

Testi961

Findings

Time: 03.06.2021 11:16, Sensor: 872f

PAPER	Time	Source	Type	Description
-------	------	--------	------	-------------

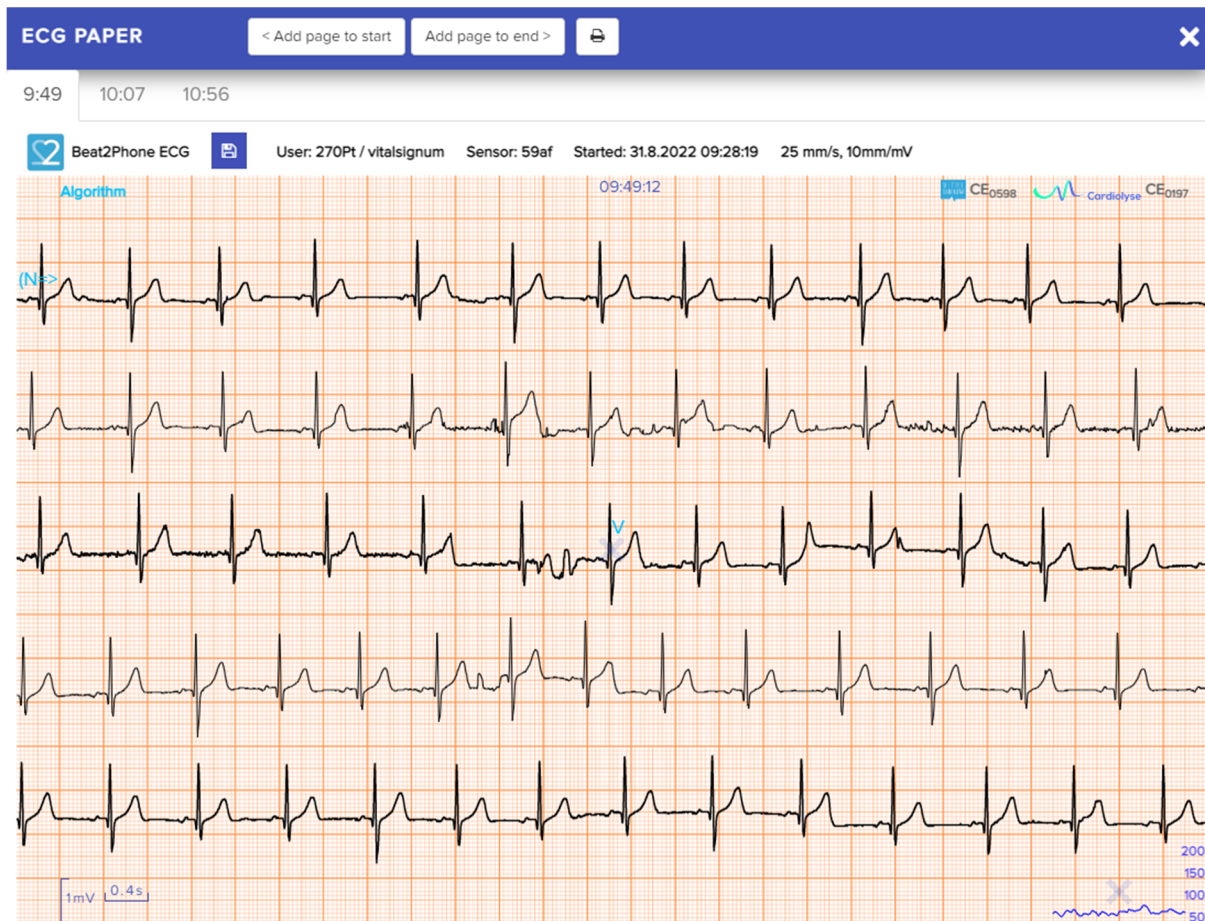


After the sharing expires access to the private user ID recordings will be removed from the professional's list of patients.

The consultation request is not available for private customer shared recordings.

## Millimeter paper report from annotations

You can create a millimeter paper report from chosen annotations from the annotation list view. First, choose the annotations you want to include by using the check box. Then, click the PAPER button. After clicking the PAPER -button, the report from the chosen annotations opens.



You can move between annotations by clicking the numbered tabs. “Add page to start” and “Add page to end” buttons are used to add ECG signal around the chosen annotation, either before the annotation or after the annotation. The print button (printer) is used for printing the ECG signal to either paper or pdf, and the save button (disk) is used for saving the ECG signal as png image. The prevalent rhythm algorithm marking is shown at the first beat of the ECG mm-paper sample. The scales of the mm-paper sample are at the bottom left corner.



## ECG graph view

The ECG graph view opens from the start of the measurement by default. If you opened it by choosing an annotation from the list view, the graph will be centered around the chosen annotation.

The white graph in the middle is the ECG graph, the yellow one below is the HR graph, and the red one is the HRV graph displaying the changes in the heart rate and heart rate variation.

The horizontal bars between the ECG and HR/HRV graphs highlight the detected rhythm periods – sinus bradycardia in this example – however an AF rhythm period would be similarly highlighted from the beginning of the rhythm to the end of it.

ATTENTION: Sometimes annotations made by the algorithm (alg) might be slightly off, e.g. off by one R peak (beat) on the ECG.

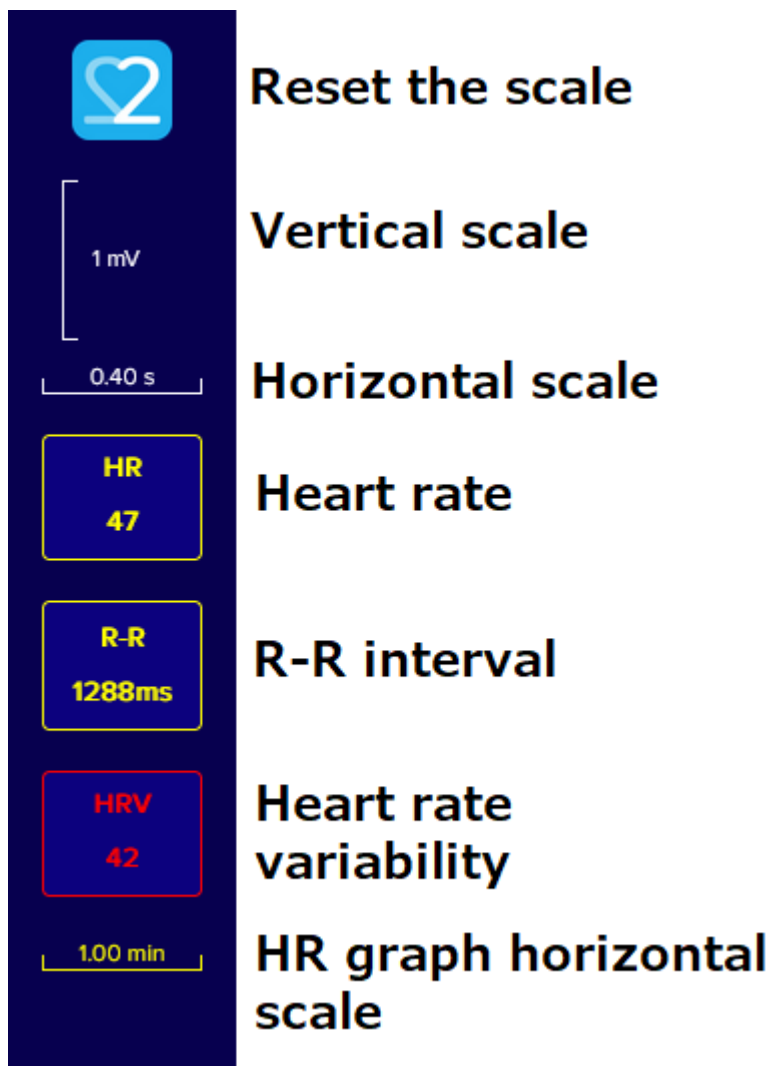


An annotation by the algorithm can be approved, questioned, or deleted by the professional.



Click the green check mark to agree, question mark to suspect and trash mark to remove the marking.

On the left of the screen, you can see the scale of the measurement view ECG. Two squares vertically are 1.00 millivolts, and two squares horizontally are 0.400 seconds. The horizontal ECG and HR scale can be zoomed in and out with the mouse scroll wheel. You can reset the scale by clicking the Beat2Phone logo on the left. In addition, the heart rate is (HR) and the heart rate variation (HRV) and their time scale displayed on the left.



On the top of the screen, there are controls for moving between annotations and automatically playing the ECG graph. From 'Annotations', you can filter the annotations by type and source and use the arrows to move between annotations. From 'Play/Pause' you can choose whether to play the ECG graph or the HR graph. After that, the arrow keys are used to control whether the playback is forwards or backwards. From 'Speed Control' you can adjust the playback speed. With the Start and End -buttons you can quickly move to the beginning and the end of the ECG view.



On the right, there are various buttons. From the 'Add annotation' button, predefined annotations and 'free comment' to add text can be selected from the list and added to the registration. From the next button (ms), you can open a tool for measuring the duration of different segments in the ECG. From the third button (ECG), you can open a millimeter paper view of the ECG. The last button (HR) opens a millimeter paper view of the heart rate graph.



**Add annotation**



**Measure segment durations**



**Millimeter paper view (ECG)**



**Millimeter paper view (heart rate)**

## Segment duration measurement tool

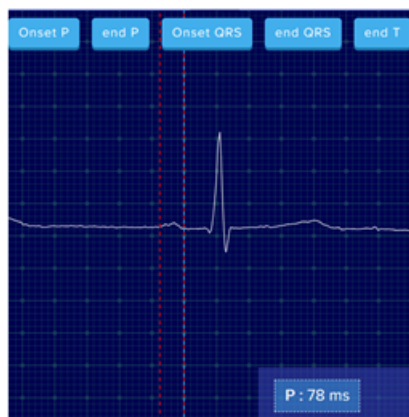
The segment duration measurement tool can be used to estimate the duration of different waves and segments. You use the tool by first dragging the vertical dotted line to the correct spot, for example to the onset of the P wave, and then clicking the corresponding button from the top. By repeating this step for all points, the tool calculates the durations.



**Drag the dotted line to the onset of the P wave and choose 'Onset P'**



**Drag the dotted line to the end of the P wave and choose 'end P'**

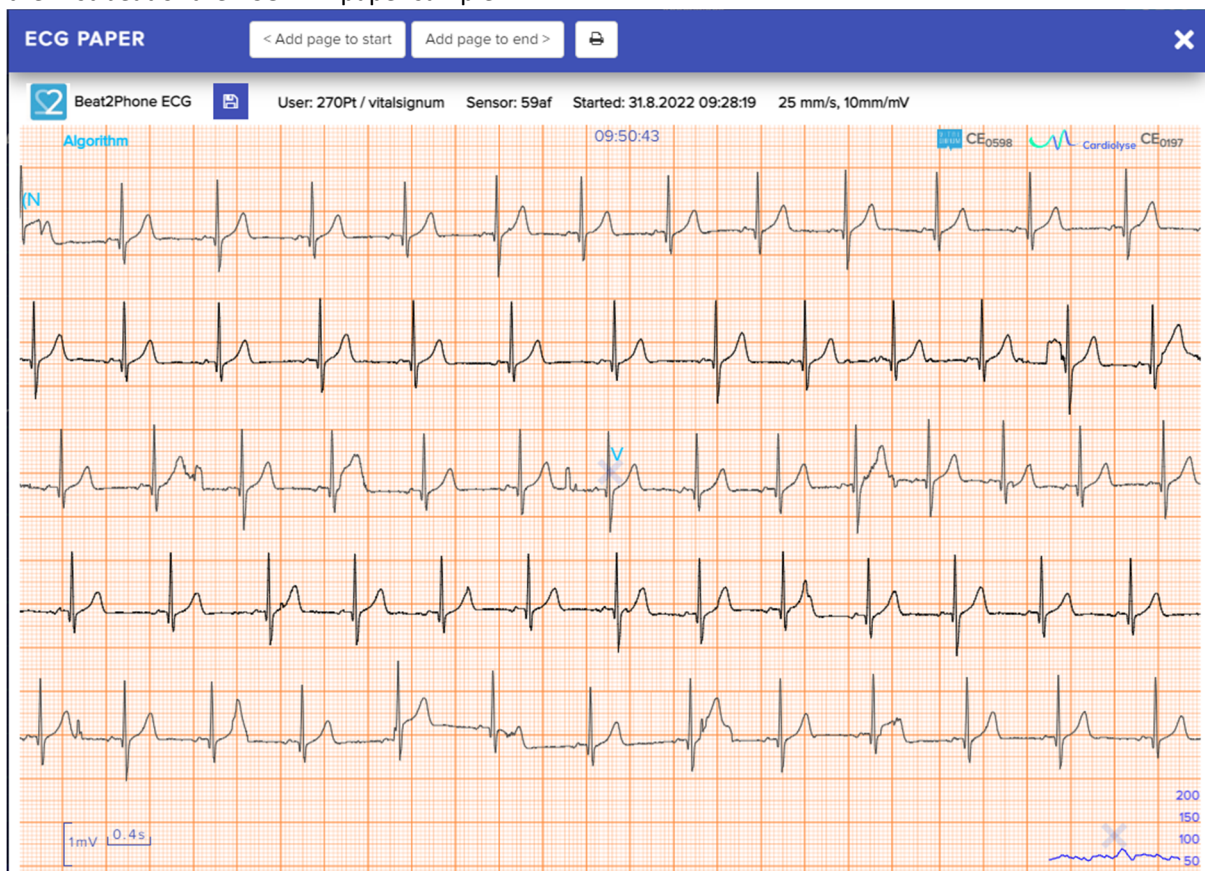


**The tool displays the duration of the P wave in milliseconds**

Millimeter paper view

The millimeter paper view shows 30 seconds of ECG from the selected spot on the ECG view, 15 seconds backwards and 15 seconds forwards from the spot. A cross X is visible on the millimeter paper to indicate the selected spot. The time for the selected spot is shown on the top of the mm-paper. The HR graph from the whole recording is displayed on the bottom right corner of the millimeter paper. The HR graph also includes the cross X that indicates the selected spot.

Annotations are also available on the millimeter paper. Annotation source is shown in distinct colors explained at top left on the mm-paper. Annotation short form notations are visible see [Used annotation markings](#). Algorithm (Cardiolyse) analysis annotations are visible on the mm-paper view provided that the organization has purchased the analysis service. The prevalent rhythm algorithm marking is shown at the first beat of the ECG mm-paper sample.



The scales of the mm-paper sample are at the bottom left corner. The millimeter paper can be saved as an image by selecting the save button (floppy disk).



file name PatientID-RecordingID.png is suggested – for example **1118-20201028T111715+0200\_\_872f.png** where 1118 is the Patient ID, 20201028T111715+0200 the recording start time, and 872f is the used sensor ID (MAC-address last four hexa numbers).

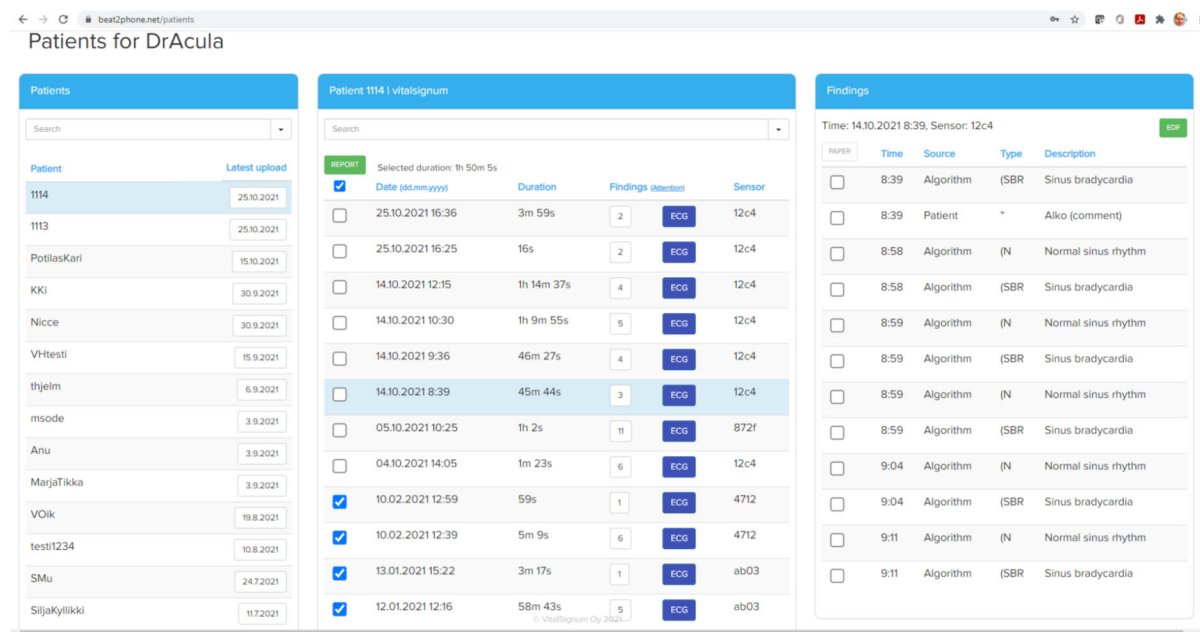
The millimeter paper can be printed or saved as pdf by right clicking the millimeter paper and selecting Print... or by using the shortcut ctrl+P.



To exit the millimeter paper view back to ECG view click the cross on top right corner of the mm-paper window or the ECG view on the background. Using the back button of the browser returns you to the recordings list.

## ECG Analysis

Professional organization may purchase ECG analysis by Cardiolyse (CE<sub>0197</sub>) algorithm. In this case the ECG recording is passed to the algorithm and the analysis results are displayed at the browser GUI measurement list, findings list, and the ECG graph view.



The screenshot displays the Beat2Phone ECG cloud service interface. It features three main panels: 'Patients', 'Patient 1114 | vitalsignum', and 'Findings'. The 'Patients' panel lists patients with their IDs and latest upload dates. The 'Patient 1114 | vitalsignum' panel shows a list of recordings with columns for Date, Duration, Findings (Status), and Sensor. The 'Findings' panel shows a detailed list of findings for a specific recording, including Time, Source, Type, and Description.

Patient	Latest upload
1114	25.10.2021
1113	25.10.2021
PotilasKari	15.10.2021
KKi	30.9.2021
Nicce	30.9.2021
VHtesti	15.9.2021
thjelm	6.9.2021
msode	3.9.2021
Anu	3.9.2021
MarjaTikka	3.9.2021
VOik	19.8.2021
testi1234	10.8.2021
SMu	24.7.2021
SiljaKyllikki	11.7.2021

Date (dd.mm.yyyy)	Duration	Findings (Status)	Sensor
25.10.2021 16:36	3m 59s	2 ECG	12c4
25.10.2021 16:25	16s	2 ECG	12c4
14.10.2021 12:15	1h 14m 37s	4 ECG	12c4
14.10.2021 10:30	1h 9m 55s	5 ECG	12c4
14.10.2021 9:36	46m 27s	4 ECG	12c4
14.10.2021 8:39	45m 44s	3 ECG	12c4
05.10.2021 10:25	1h 2s	11 ECG	872f
04.10.2021 14:05	1m 23s	6 ECG	12c4
10.02.2021 12:59	59s	1 ECG	4712
10.02.2021 12:39	5m 9s	6 ECG	4712
13.01.2021 15:22	3m 17s	1 ECG	ab03
12.01.2021 12:16	58m 43s	5 ECG	ab03

Time	Source	Type	Description
8:39	Algorithm	(SBR)	Sinus bradycardia
8:39	Patient	*	Alko (comment)
8:58	Algorithm	(N)	Normal sinus rhythm
8:58	Algorithm	(SBR)	Sinus bradycardia
8:59	Algorithm	(N)	Normal sinus rhythm
8:59	Algorithm	(SBR)	Sinus bradycardia
8:59	Algorithm	(N)	Normal sinus rhythm
8:59	Algorithm	(SBR)	Sinus bradycardia
9:04	Algorithm	(N)	Normal sinus rhythm
9:04	Algorithm	(SBR)	Sinus bradycardia
9:11	Algorithm	(N)	Normal sinus rhythm
9:11	Algorithm	(SBR)	Sinus bradycardia

NOTE: The algorithm (alg) adds N marking of normal beat for first normal beat detected at the beginning of the recording and after each abnormal beat. Algorithm also adds (N marking of normal sinus rhythm detected at the beginning of the recording and after each abnormal rhythm.

## ECG Analysis Report

Each recording is provided with an ECG Analysis report provided that the reporting service is purchased. The report can be opened from the patient recordings list by selecting recording and clicking the REPORT -button.

The opening report -pdf can be saved. The default name of the file is PatientID-recordingID.pdf – for example 1118-20201028T110054+0200\_\_872f-report.pdf

## ECG Period Analysis Report

A combination report can be generated provided that this service is purchased. The combination report is generated by selecting more than one recording from the patient recording view and clicking the CREATE -button. When the report is available the REPORT -button is shown for the selection. It takes some time to generate the report during which the WAIT -button is shown. The generation is done in the cloud, so there is no need to wait for it to complete. The ready reports for the selections are stored in the cloud and appear available when the same selection is made again. The most recent report recording selection is shown when the patient recording list is re-opened from the patient list.

The opening report -pdf can be saved. The default name of the file is PatientID-reportID.pdf – for example 1118-1603872252169\_0-report. The report provides a list of recordings included.

## ECG report details

The ECG report consists of several pages with information about the recording or recordings.

### Used annotation abbreviations

The Beat2Phone ECG analytics service uses abbreviations for annotations in the millimeter paper view and in some lists. The full list of annotation abbreviations is as follows:

- 'F1': 'Irregular rhythm',
- 'F2': 'Extra beat',
- 'F3': 'Palpitation',
- 'F4': 'Chest pain',
- 'N': 'Normal beat',
- 'L': 'Left bundle branch block beat',
- 'R': 'Right bundle branch block beat',
- 'B': 'Bundle branch block beat (unspecified)',
- 'A': 'Atrial premature beat',
- 'a': 'Aberrated atrial premature beat',
- 'J': 'Nodal (junctional) premature beat',
- 'S': 'Supraventricular premature or ectopic beat (atrial or nodal)',
- 'V': 'Premature ventricular contraction',
- 'r': 'R-on-T premature ventricular contraction',
- 'F': 'Fusion of ventricular and normal beat',
- 'e': 'Atrial escape beat',
- 'j': 'Nodal (junctional) escape beat',
- 'n': 'Supraventricular escape beat (atrial or nodal)',
- 'E': 'Ventricular escape beat',
- '/' : 'Paced beat',
- 'f': 'Fusion of paced and normal beat',
- 'Q': 'Unclassifiable beat',
- '?': 'Beat not classified during learning',
- '(AB)': 'Atrial bigeminy',
- '(AFIB)': 'Atrial fibrillation',

'(AFL': 'Atrial flutter',  
'(B': 'Ventricular bigeminy',  
'(BII': '2° heart block',  
'(IVR': 'Idioventricular rhythm',  
'(N': 'Normal sinus rhythm',  
'(NOD': 'Nodal (A-V junctional) rhythm',  
'(P': 'Paced rhythm',  
'(PREX': 'Pre-excitation (WPW)',  
'(SA': 'Sinus arrhythmia,  
'(SI': Sinus arrhythmia,  
'(SBR': 'Sinus bradycardia',  
'(STH': 'Sinus tachycardia',  
'(SVTA': 'Supraventricular tachyarrhythmia',  
'(T': 'Ventricular trigeminy',  
'(VFL': 'Ventricular flutter',  
'(VT': 'Ventricular tachycardia',  
'[': 'Start of ventricular flutter/fibrillation',  
'!': 'Ventricular flutter wave',  
']': 'End of ventricular flutter/fibrillation',  
'x': 'Non-conducted P-wave (blocked APC)',  
'(': 'Waveform onset',  
')': 'Waveform end',  
'p': 'Peak of P-wave',  
't': 'Peak of T-wave',  
'u': 'Peak of U-wave',  
'~': 'PQ junction',  
'\": 'J-point',  
'^': '(Non-captured) pacemaker artifact',  
'|': 'Isolated QRS-like artifact',  
'~': 'Change in signal quality',  
'+' : 'Rhythm change',



's': 'ST segment change',

'T': 'T-wave change',

'\*': 'Systole',

'D': 'Diastole',

'=': 'Measurement annotation',

'DEV': 'Deviation from normal',

' "' : 'Comment annotation'

'audio': 'Audio annotation'

The analytics service algorithm sometimes fails to classify beats due to signal artefacts. The algorithm annotation 'Unclassified beat' is filtered out from the GUI for the sake of clarity.

## Organization admin user

An organization admin can add new professional users to an organization and edit existing users. The organization admin logs in to the system in the same way as a professional user. After logging in with an organization admin user, a list of the organization's professional users is displayed, as well as details about the organization.

Organization professionals	Demo Organization details				
<p><b>Username</b></p> <table border="1"><tr><td>DemoPro</td><td>Edit</td></tr><tr><td>DemoPro2</td><td>Edit</td></tr></table> <p>Add Professional   Reload</p>	DemoPro	Edit	DemoPro2	Edit	<p><b>Name:</b> Demo Organization <b>Machine name:</b> demoorganization <b>Contact email:</b> matti.suominen@vitalsignum.com <b>Domains:</b> vitalsignum.com <b>Expires:</b> 31.12.2023</p>
DemoPro	Edit				
DemoPro2	Edit				

To add new professional users to the organization, select "Add Professional". A form to input account details opens.

**ADD NEW PROFESSIONAL TO DEMO ORGANIZATION**

**Username**

**Email**

**Password**

**Confirm password**

Save   Cancel

Input username, email address, and password for the professional user. Send these details to the user along with instructions on how to log in and change the password, and how to use the system.

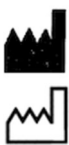
If you want to edit existing professional profiles, select “Edit” next to the username of the professional user which you want to edit. A form similar to the previous one opens. You can only edit the email address and password; the username cannot be changed.

If you want to edit your own account details, select “Account” from the top right. You can edit your email address and password.

If you want to see a list of the patients belonging to the organization, select patients from the top left. Note, that you cannot access the ECG recordings of patients, you can only list them with the organization admin profile. Accessing ECG recordings requires a professional account.

## Cardiolyse information

### Software for ECG signal analysis Cardiolyse, v 1.0



Cardiolyse Oy  
Fabianinkatu 29 B  
00100 Helsinki

03.2019



Cardiolyse CE<sub>0197</sub> Standalone software for ECG signal analysis – HD 60145512 0001

Cardiolyse instructions for use:

<https://docs.google.com/document/d/1SwFXwcrBjzvh3ElFcNKH3f5OzTWID-x4qCy3qnM7dw>

### CONTACT INFORMATION

CARDIOLYSE OY,

GE Health Innovation Village, 2 Kuortaneenkatu, Helsinki, 00510.

<https://cardiolyse.com>

Contact: [info@cardiolyse.com](mailto:info@cardiolyse.com)

### INTENDED USE

The Cardiolyse is intended to record, store, analyze, display and transfer up to twelve (12) leads electrocardiogram (ECG).

The Cardiolyse software performs QRS, Ventricular Ectopic Beats, Supraventricular ectopic beats detection, QRS feature extraction, interval measurement, heart rate measurement, rhythm analysis and abnormal ST-T changes for up to 12 leads ECG.

Cardiolyse software also performs automatic ECG interpretation of common abnormalities, including ventricular hypertrophy and myocardial infarction for 12 leads ECG.

The Cardiolyse interpretation results are not intended to be the sole means of diagnosis for any abnormal ECG. They are offered to physicians on an advisory basis only in conjunction with the physician's knowledge of ECG.

The device has not been tested and it is not intended for pediatric use.

### **CONTRAINDICATIONS**

People below 18 years old

### **SAFETY AND PERFORMANCE**

Cardiolyse.me software as a medical device safety and performance was validated based on device's equivalence and clinical evaluation data.

ECG algorithms were validated on widely acceptable databases MIT-BIH, NST, CU, ESC as well as CSE.

Algorithm's sensitivity and specificity is highly dependent on signal quality provided by device.

## VitalSignum Information

### Beat2Phone ECG Service

VitalSignum Oy  
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[www.vitalsignum.com](http://www.vitalsignum.com)  
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