Beecardia

Beecardia Cloud

User Manual

Table of content

Introduction

Beecardia's solution consists of hardware devices, a mobile application, and a web cloud service.
This document explains the operation of the Beecardia cloud service.

Each study that you record with the Beecardia application on the tablet is uploaded to the cloud (as long as the tablet has WiFi connectivity), where you can view, analyze, share your studies and refer them to a cardiologist.

Setting up an account

Before you can use the mobile app, you must have a Beecardia account.
In order to sign up to the site and create a new account:

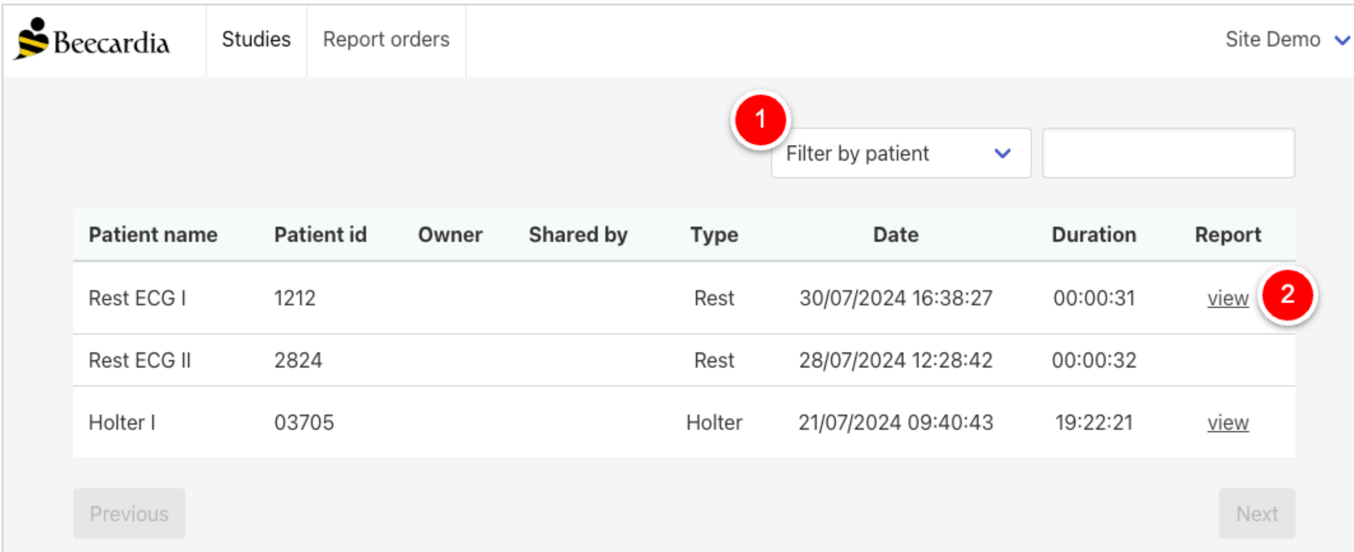
1. Browse to: http://clinic.beecardia.com
2. Click on “Create new account”
3. Choose your account type
4. Fill all the relevant details
5. When done click on “Create account”

After signing up you will get an email to activate your account, please follow the instructions in that mail to finish the signup process.

Login to the cloud

Go to http://clinic.beecardia.com, enter your email and password, and click on “Login”.

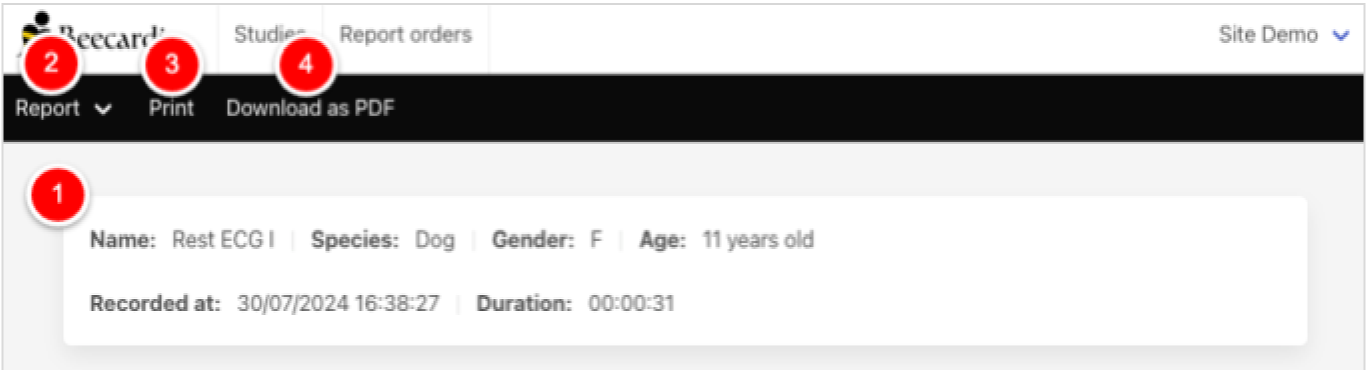
Studies list



The studies list page contains the list of your studies, for each study you can see the patient name, duration, etc.

- Clicking on a study takes you to that study page
- You can filter the studies list by patient, study type or tags (1)
- If the study has a report you can view it from here (2)

Study

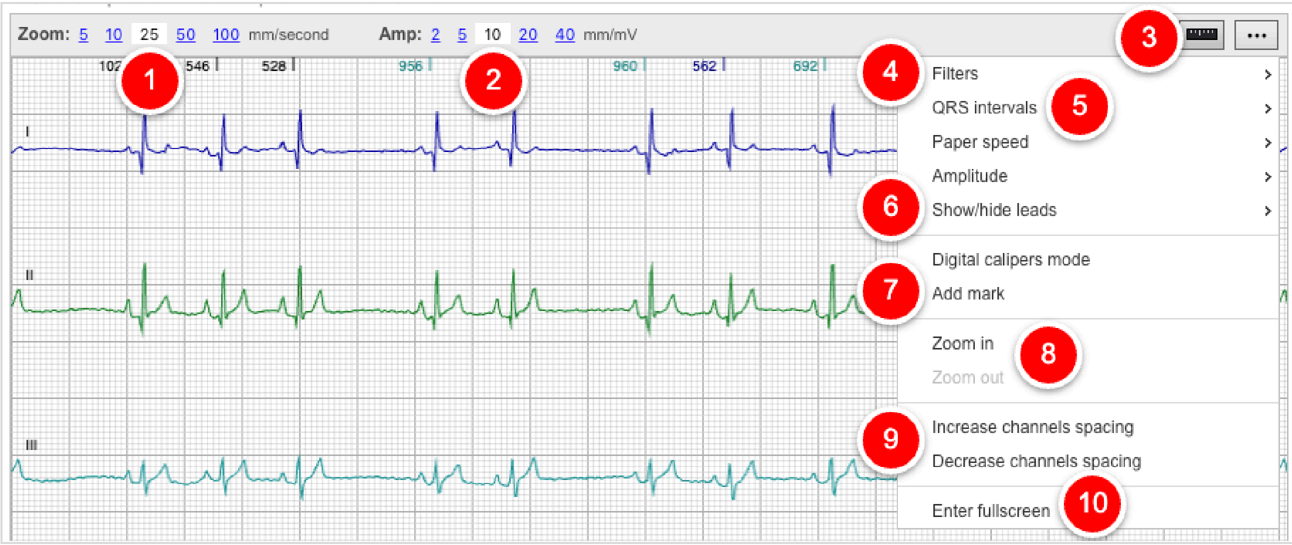


The study page shows you the patient details and the ECG viewer.
On this page, you can view/write a report, order a diagnosis from a cardiologist, print/download the study.

- Summary of the patient details (1)
- Using the report menu (2) you can:
  - View or create a report
  - Order a remote ECG interpretation from a cardiologist
- Print the study to a regular A4/letter printer (3)
- Download the full study as PDF (4)

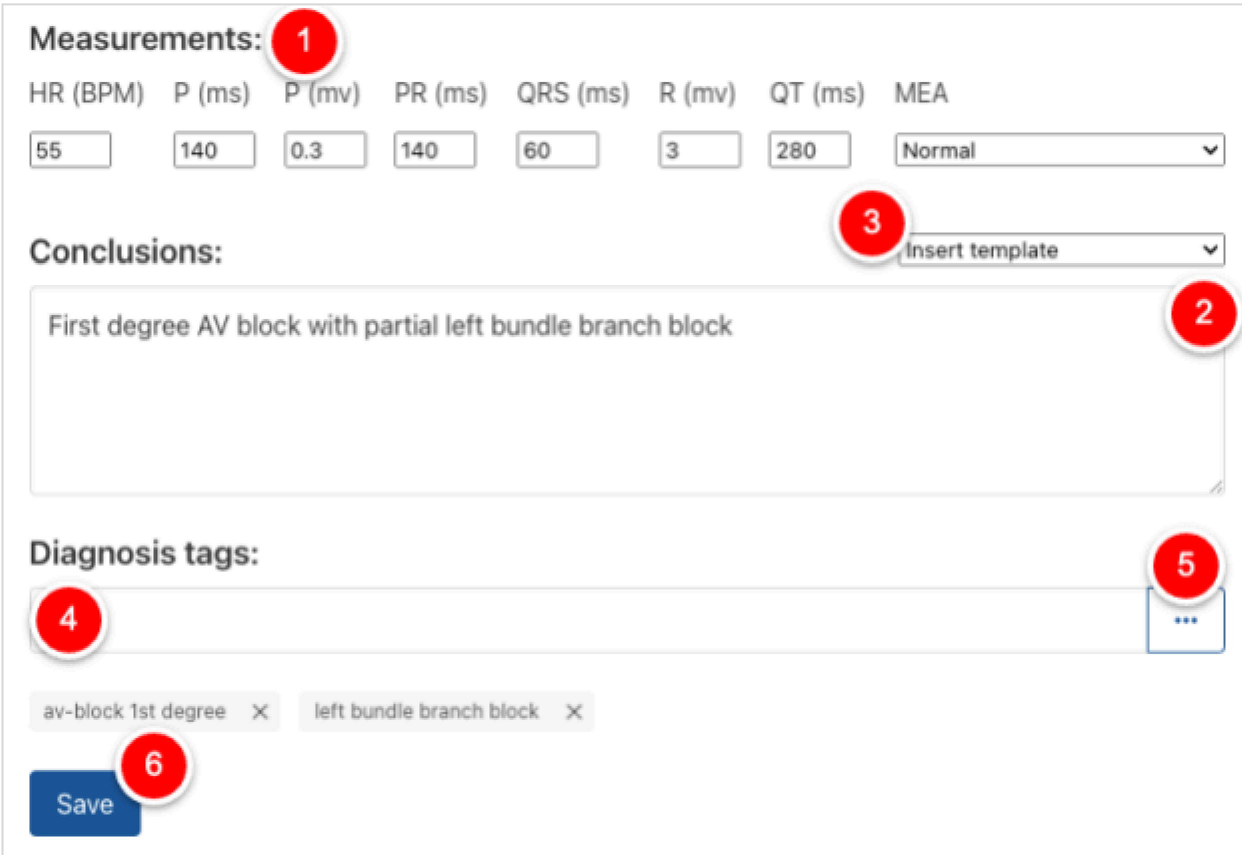
The main part of the page shows you the ECG signal.

- View calculations and events (for example, the mean electrical axis) under the “Events and calculations” tab (1)
- The full patient’s details are available under the “Patient details” tab (2)
- If you order a diagnosis, you can use the discussion tab to communicate with the doctor performing the diagnosis (3)
- You can write your diagnosis in the diagnosis tab (4)
- Click on any point in the timeline on the top to jump to a specific time of the exam (5)
- The main viewer shows you the ECG signal, dragging left or right moves the signal accordingly. You can also move left or right using the keyboard arrows (6)
- There is a context viewer at the bottom, which shows a wider context of the exam. The rectangle shows you the part that is currently visible in the main viewer (8)
- The context viewer shows channel “I” by default, you can change the channel using the channel selection menu (7)



- Change the main viewer paper speed (1) and amplitude (2)
- Zoom in/out (8)
- Show/hide specific leads (6)
- Increase/decrease the space between the leads (9)
- Measure distances on top of the viewer using the digital calipers mode (3). To use this tool click with the mouse on the signal area and draw a rectangle (while still holding the mouse button). The width of the rectangle measures duration in ms and the height - amplitude in mkV
- Two filters are applied by default - baseline correction and noise removal. You can turn those filters on/off (4)
- Choose whether to see the QRS intervals or the HR (5)
- Add a mark at a specific location (7)
- Enter fullscreen mode (10)

Diagnosis



The diagnosis tab is where you enter your diagnosis:

- If you'll generate a report, it will get auto-populated with your diagnosis
- ECG measurements (1). If you used the digital calipers to save measurements then it will auto-fill the measurements fields
- You can write your conclusions here (2)
- Insert templates (3). See how to add templates here
- Add diagnosis tags (4). Diagnosis tags are a way to filter your studies. For example, clicking on the "left bundle branch block" tag will show all of your studies that were marked with that tag
- Click on the three dots (5) to select tags from a pre-defined tags list
- Click on "Save" (6) to save your diagnosis

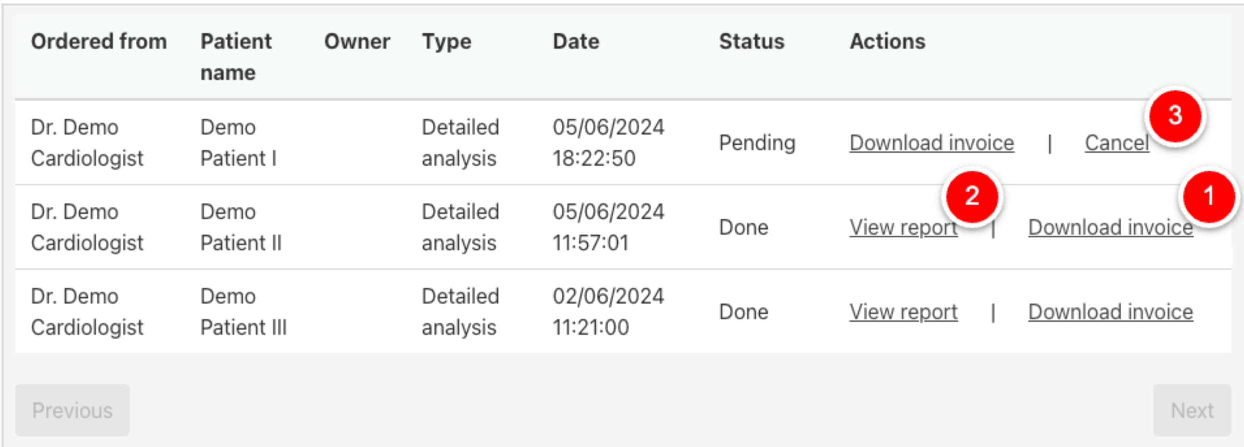
Report

« View study
Dr. Site Demo
Download as PDF
Print
Type: Rest ECG
Date: 30/03/2015 11:58:28
Duration: 00:00:22
Patient name:
Rest ECG 1
Weight:
75.0 kg
ID:
Height:
178.0 cm
Email:
Anamnesis:
Phone Number:
Medications:
Sex:
M
Birthday:
Age:
Unknown
ICD-10 code:
11:58:28 25 mm/second 10 mm/mV
HR (BPM)
P (ms)
P (mv)
PR (ms)
QRS (ms)
R (mv)
QT (ms)
MEA
Normal
Conclusions:
Insert template
Save report
Signature:

The report page contains details about your clinic, the patient details, a snapshot of a specific area from the viewer, and conclusions about this study.

- By default, your name appears with the title “Dr.” at the top of the page (1), you can change that under the report settings
- You can download the report as a PDF file (2) or print it (3)
- Above the ECG signal, you can see the patient details (4)
- The ECG signal appears in the same zoom/amplitude and the same time position as chosen on the study page (5)
- ECG measurements (6). If you saved your measurements in the diagnosis tab then it will auto-fill here
- Insert templates (7). See how to add templates here
- You can write conclusions at the bottom of the report (8). If you order an ECG diagnosis from a cardiologist then his/her conclusions will appear here and you will get an email notification once the report is ready
- When the report is ready, you can save it by clicking on the “Save report” button (9)

Report orders

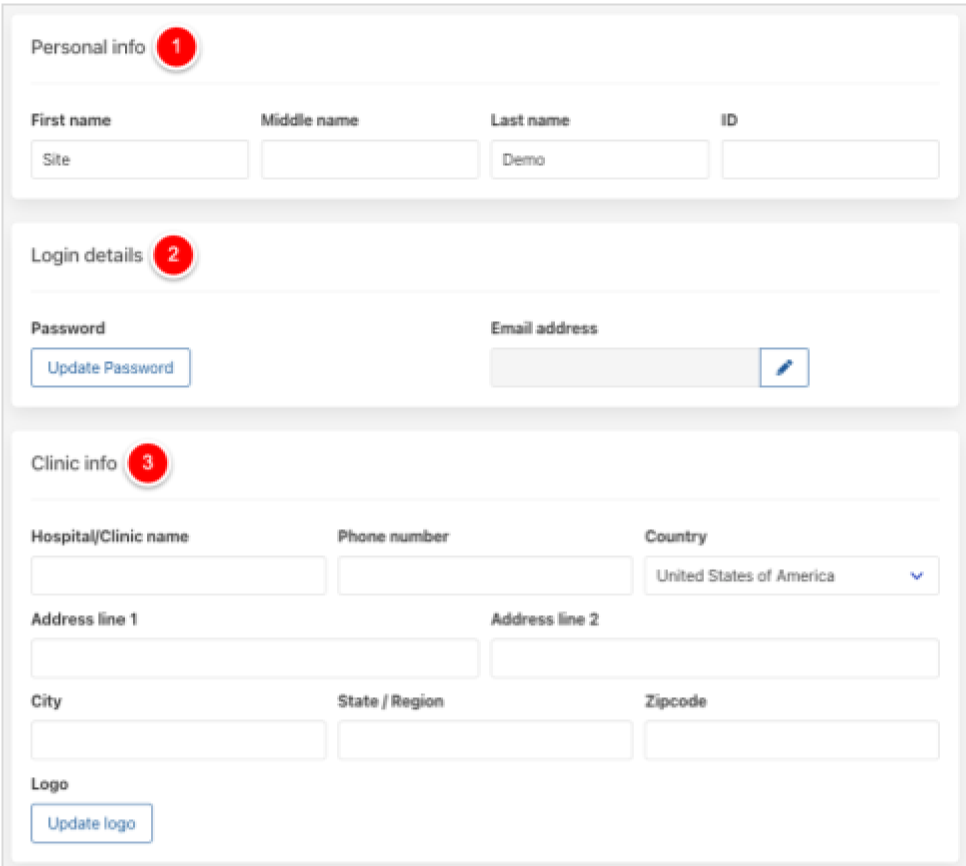


Ordered from	Patient name	Owner	Type	Date	Status	Actions
Dr. Demo Cardiologist	Demo Patient I		Detailed analysis	05/06/2024 18:22:50	Pending	Download invoice | Cancel
Dr. Demo Cardiologist	Demo Patient II		Detailed analysis	05/06/2024 11:57:01	Done	View report | Download invoice
Dr. Demo Cardiologist	Demo Patient III		Detailed analysis	02/06/2024 11:21:00	Done	View report | Download invoice

You can view all of your report orders under the “Report orders” tab.

- Download the invoice (1) if applicable
- View the report when it’s ready (2)
- You can cancel the report order if it was made by mistake (3) as long as it’s still under the “Pending” status

Profile



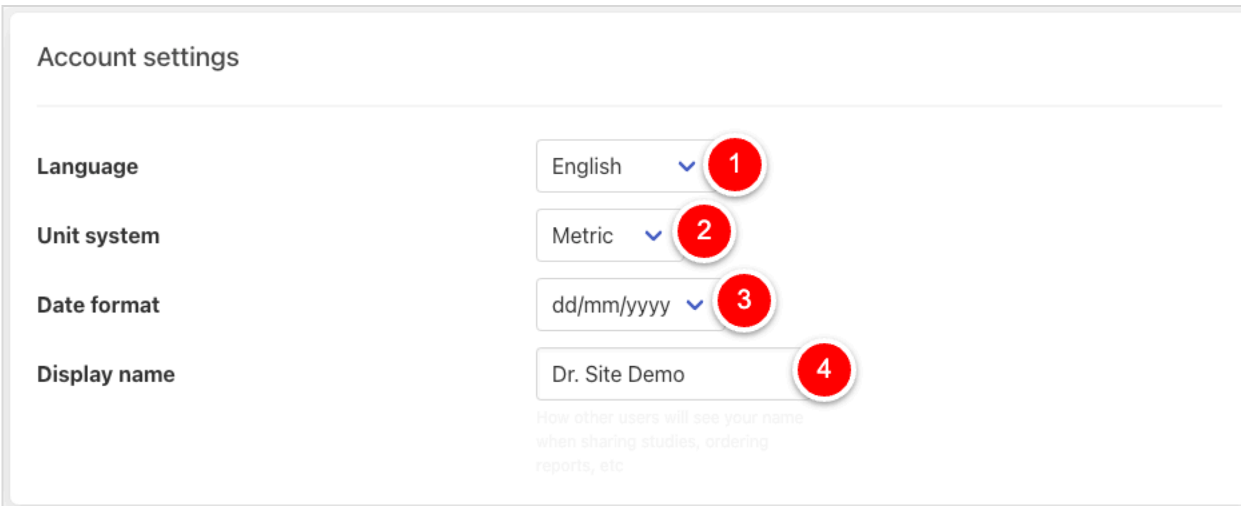
To update your profile, go to Main menu > Profile.

- Update your personal details (1)
- Update your login details (2)
- Set your clinic information (3)

Settings

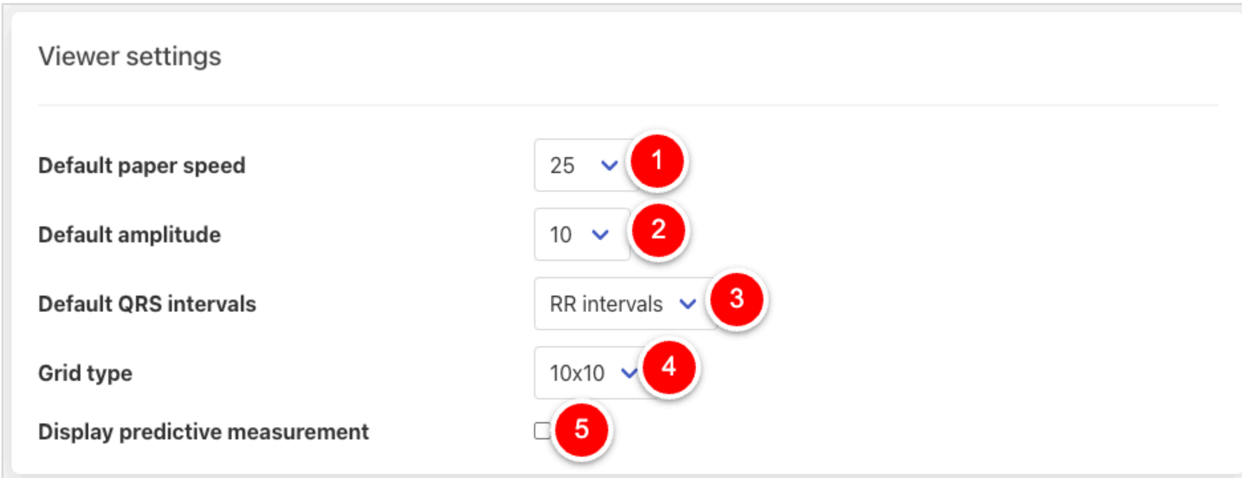
To update your settings, go to Main menu > Settings.

Account settings



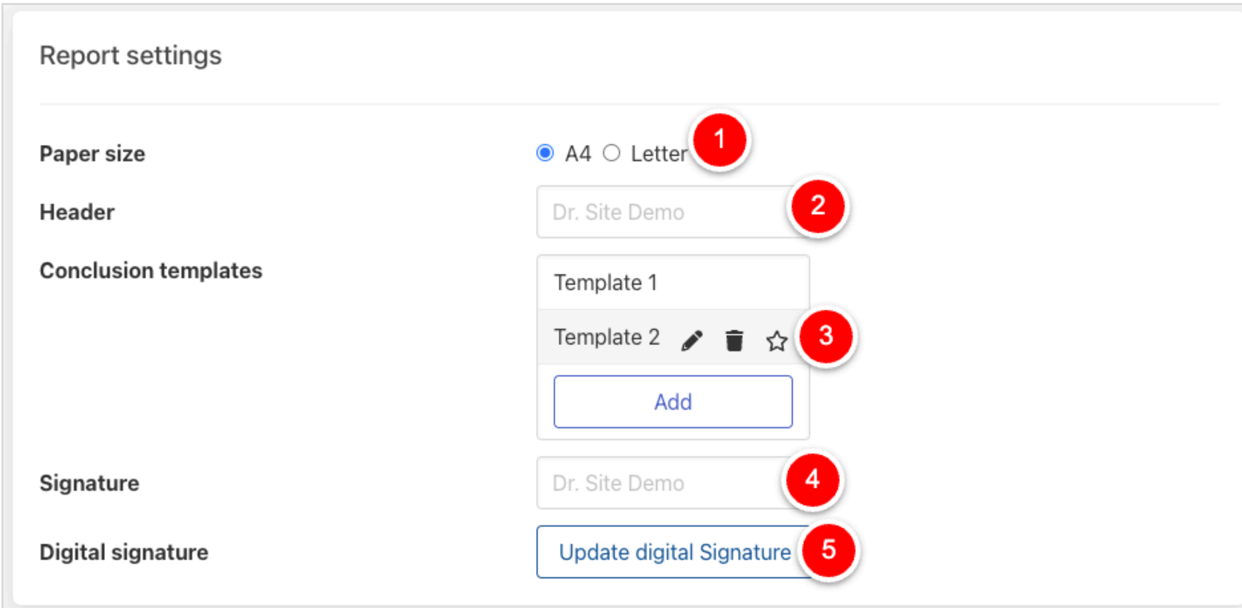
- Set the site language (1)
- Choose unit system - metric/imperial (2)
- Choose the preferred date format (3)
- Set your display name (4). The display name is how everyone are going to see your name across the site (by default it's set to your name plus the title "Dr.")

Viewer settings



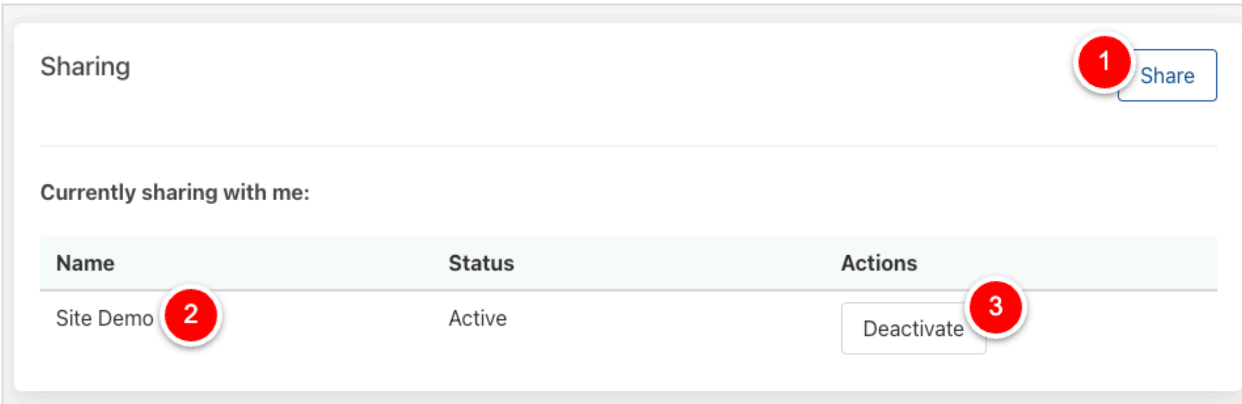
- Change the default paper speed (1) and amplitude (2) of the viewer
- Change the default QRS intervals (3)
- Change the default viewer grid (4)
- Show predictive lines when using the digital calipers tool (5)

Report settings



- Choose the default printing paper size (1)
- By default, your display name appears at the top of the report page, you can change that by entering a different report header (2)
- You can add conclusion templates. Mark a template with “star” to make it the default one. The default template will automatically get pre-filled for every new conclusion (3)
- If you enter your signature (4) then it automatically appears at the bottom of your report once you write new conclusions. The signature default is your display name
- You can draw your signature and have it appear on your reports (5)

Sharing



You can set auto sharing by going to Main menu > Sharing.

- You can automatically share all of your studies with someone by clicking on “Share” (1) and add their email
- That person will receive an email asking him to approve this sharing. Once they approve it, all of your studies will be shared with them and they will get an email notification on every new study that you upload
- You can see who’s sharing studies with you under the “Currently sharing with me” section (2)
- You can activate or deactivate this sharing (3)