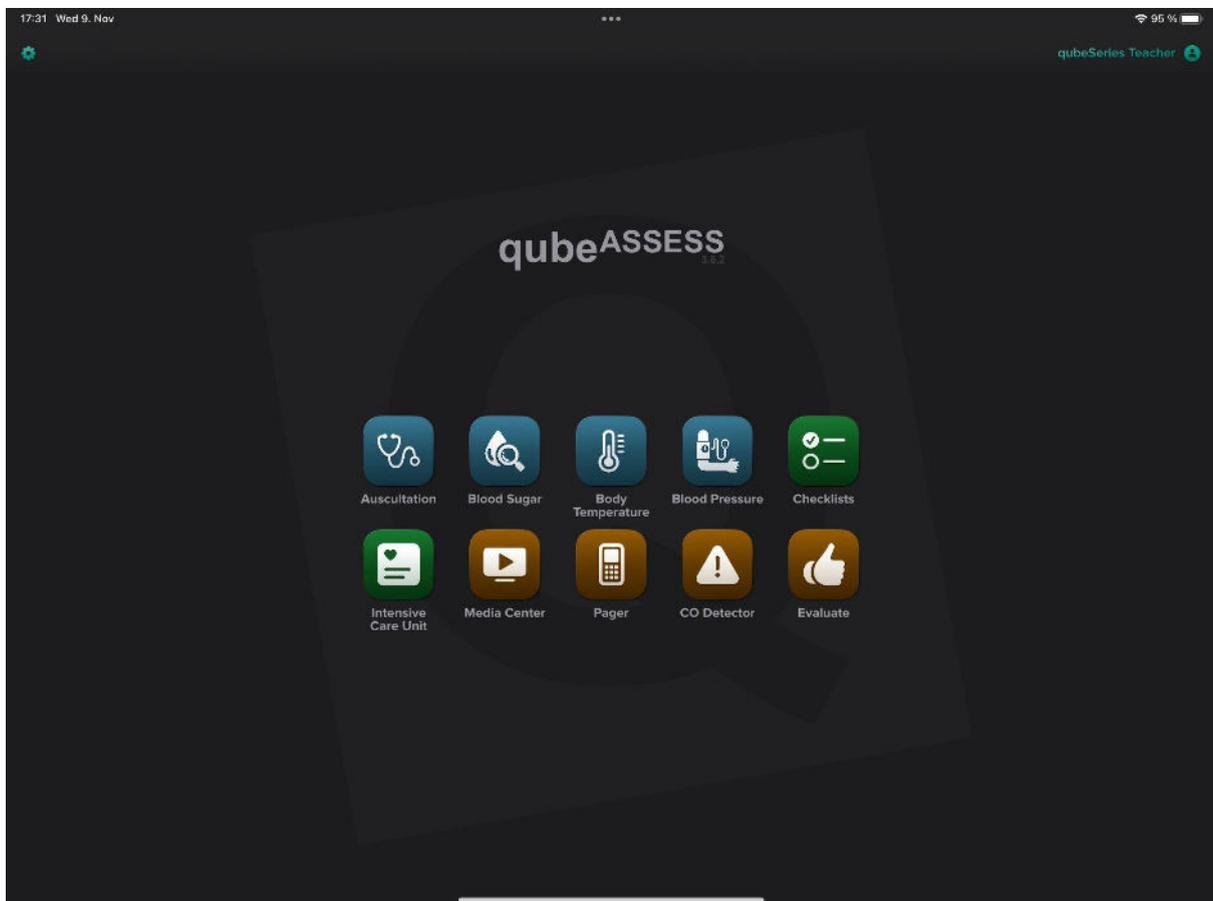


# User Guide Version 3.6

# qubeASSESS



Updated Nov 1, 2022



## Welcome to SKILLQUBE

We are delighted to welcome you to the SKILLQUBE global network. At SKILLQUBE, our mission is to revolutionize simulation of clinical and pre-clinical care. The goal of our Mission360 program is to

facilitate lasting learning in all fields, with a focus on the recursive nature of learning. In addition to the qubeSERIES simulation systems, which include our ECG simulators, respiratory simulators and audio-video debriefing systems, we also offer realistic simulation phantoms such as our SIMBODIES. In addition to AHA-certified training courses such as ACLS, PALS and BLS, we also offer our own simulation trainer courses. We put all our passion and experience into our simulation products to offer you the most successful training experience possible. We are constantly improving and expanding our products, with the goal of making our simulations part of your everyday routine.

**SKILLQUBE – Innovation through passion**



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# General

## Overview

SKILLQUBE's assessment software is used to display content that cannot be found on the original monitors. This includes measuring temperature and blood sugar, ausculting and many other functions. To control and set the values, the software must be connected to SKILLQUBE's qubeCONTROL app. See the qubeCONTROL manual for instructions on how to do this.

Please ensure that the software is always up to date to guarantee safe and reliable use. You can see which version of the software is currently installed on the right below the software logo.

## Using an Apple device

The assessment software can run on various devices such as iPhone, iPod, iPad and others. If you have questions about your device, please refer to:

[https://support.apple.com/en\\_US/manuals/](https://support.apple.com/en_US/manuals/)

Please refer to the following links for information on important, frequently used functions:

### **Connecting to Wi-Fi:**

<https://support.apple.com/en-us/guide/ipad/ipad2db29c3a/ipados>

### **Opening the access control center on an iPad:**

<https://support.apple.com/en-us/HT210974>

### **Downloading apps from the App Store:**

<https://support.apple.com/en-us/guide/ipad/ipad9b4cea76/ipados>

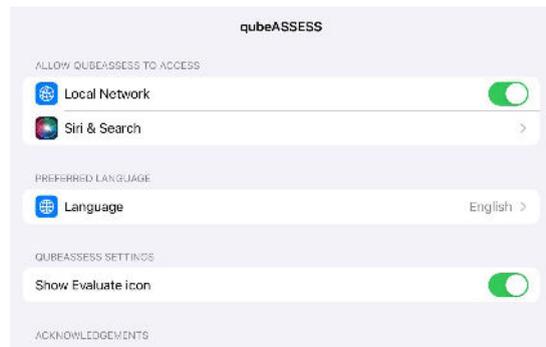
### **Turning an iPad on/off:**

<https://support.apple.com/en-us/guide/ipad/ipad63d30b5a/ipados>



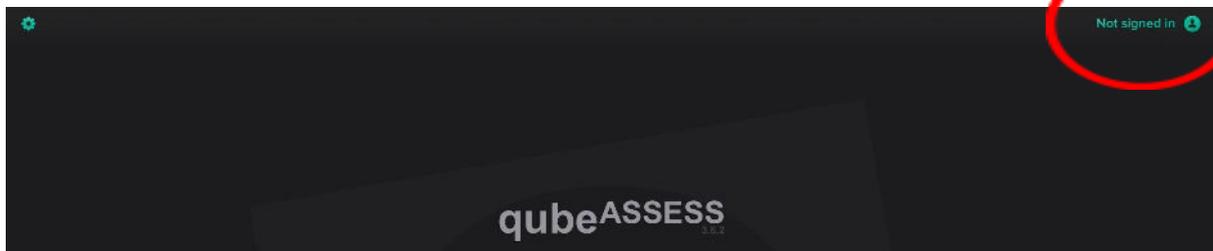
## App settings

In the local app settings you can select the language, enable or disable the evaluate function and approve access to the local area network. This access is necessary for the qubeSERIES apps to connect to each other!

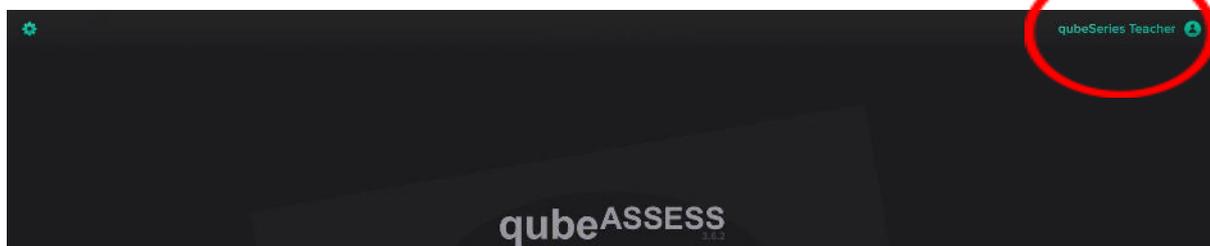


## Logging in to qubeCLOUD

To access all the data in the qubeCLOUD, you first have to log in with your access credentials. The data is automatically synchronized after you log in.



To synchronize manually, tap the name at the top right. Synchronization will now start.





## Overview of the software

Once you have started the software on your device, the arrangement of the icons may differ from the images shown below. This is normal and is due to the software automatically adapting to the screen size. The media used here have been created on a 10.2" iPad to ensure a clear overview.

After installing and opening the software for the first time, you can tap “Sign in” in the upper right corner and use the access credentials provided to you to log in to the qubeCLOUD. The benefit of qubeCLOUD is that you can load large media (images or videos) onto the assessment software in advance so that you only have to release them for viewing instead of sending them. Once you are logged in, your name or organization will be displayed.

1. Login
2. Software version
3. Auscultation
4. Blood sugar measurement
5. Temperature measurement
6. Blood pressure measurement
7. Checklists
8. ICU values
9. Media center
10. Pager
11. CO detector
12. Evaluate
13. Device info



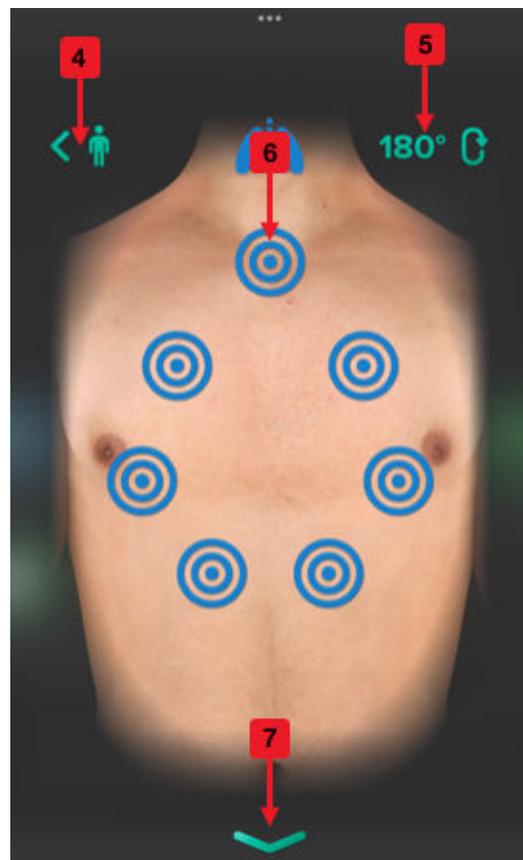
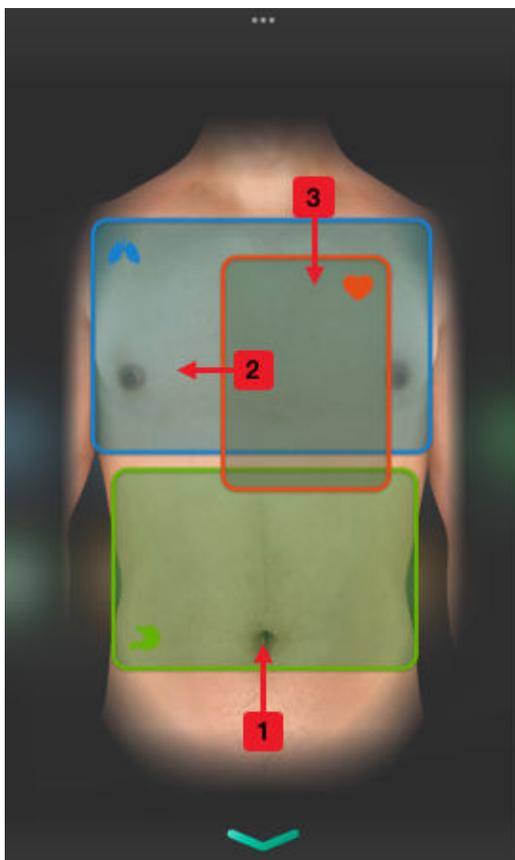
Tap a field to access the corresponding area. Once opened, you can exit the selected view by swiping down or pressing the down arrow at the bottom of the screen and return to the main screen as shown in the figure.

## Auscultation

To open the application, tap the corresponding icon (3). Here you will find an overview of the available auscultation options. The blue area is for the lungs, the green area for the abdomen and the red area for the heart sounds.

Once you have selected an area, you will see a torso with colored dots. These dots represent the auscultation points where you would place the head of the stethoscope. If you tap and hold a point, the sound configured in the qubeCONTROL unit will play. Use the arrow on the upper left to return to the auscultation overview and use the bottom arrow or the down-swipe gesture to close the auscultation application. During lung auscultation, you can rotate the torso by 180°.

1. Auscultation of the abdomen (green)
2. Auscultation of the lungs (blue)
3. Auscultation of the heart (red)
4. Back to the auscultation overview
5. Rotate the torso by 180° (only for the lungs)
6. Auscultation point (tap and hold to listen)
7. Back to main screen (alternative: swipe)



## Blood sugar

To switch to the blood sugar measurement view, tap the corresponding icon (4). A view with a blood sugar meter opens. This is not intended to replace the device used in real clinical practice, but merely to simulate the time delay that occurs when taking the blood sugar measurement. This virtual device must be “switched on” and the blood must be “applied.” After a delay, the blood sugar value set on the qubeCONTROL unit is displayed in mg/dL or mmol/L.

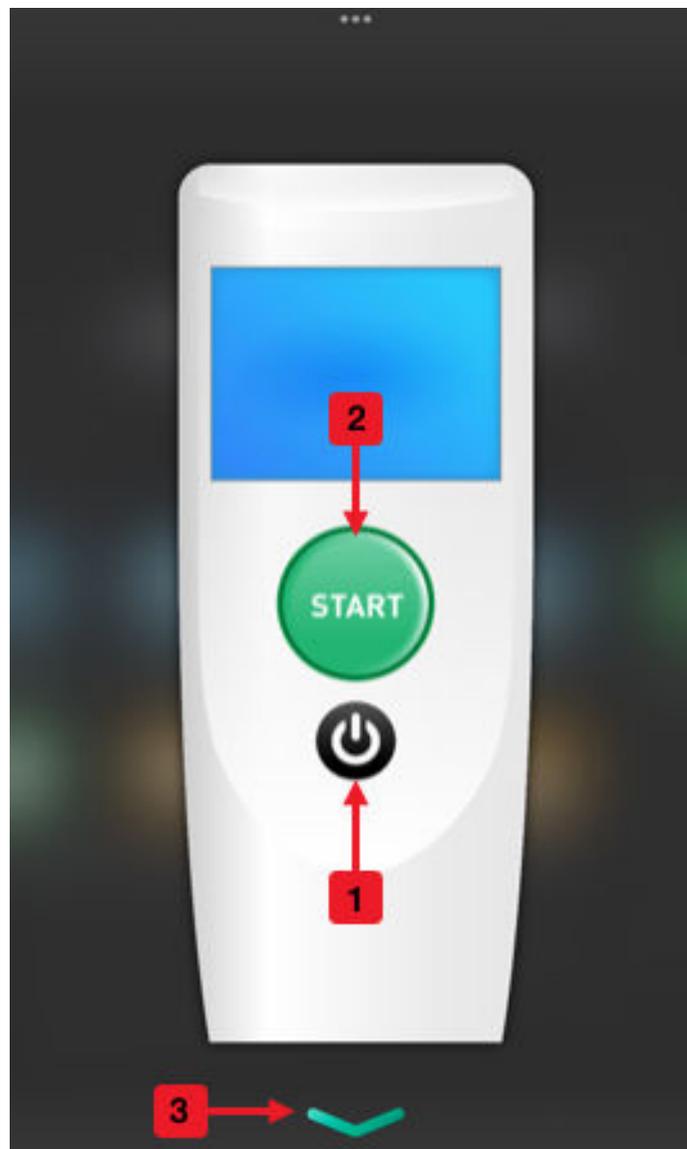
1. Switch the device on/off
2. Apply blood by tapping and waiting for the measurement
3. Prepare device for new measurement
4. Close the view (alternative: swipe)



## Body temperature

To switch to the temperature measurement view, tap the corresponding icon (5). The view with the temperature measuring device opens. This is not intended to replace the device used in real clinical practice but merely to simulate the time delay that occurs when taking the measurement. This virtual device must be “switched on” and “Start” pressed. After a certain delay, the temperature value set on the qubeCONTROL unit is then displayed in °C or °F.

1. Switch on/off
2. Start the measurement
3. Close the view (alternative: swipe)



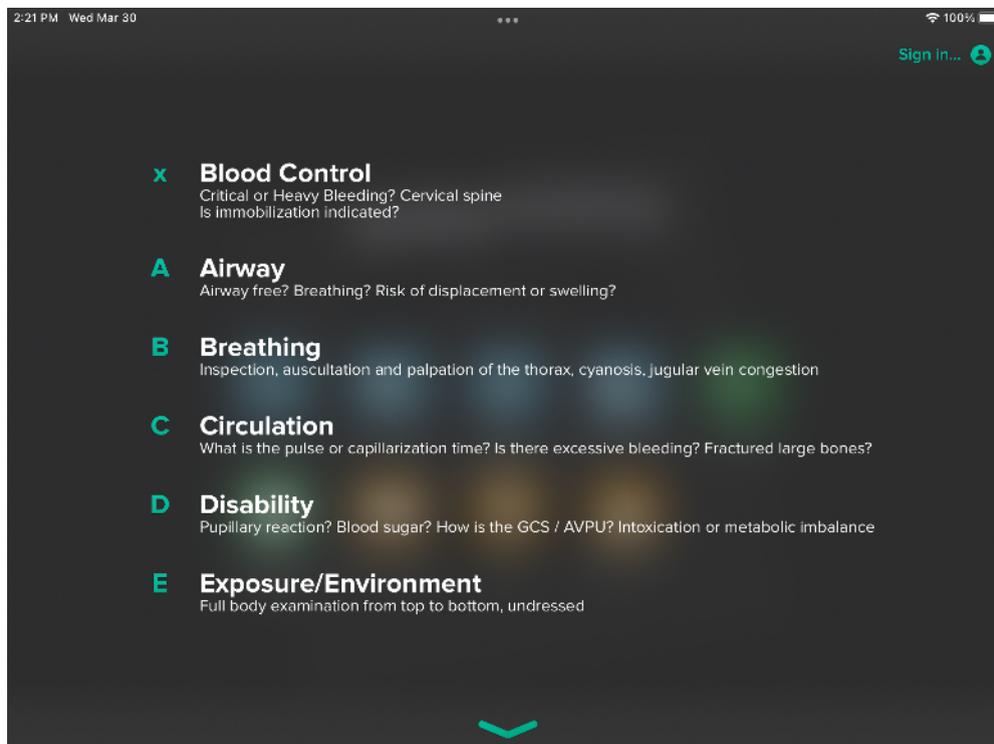
## Blood pressure

Tapping the blood pressure icon (6) does not open another window. Rather it is indicated on the qubeCONTROL unit that the user has just measured the blood pressure. If this is confirmed by the trainer, the blood pressure value is displayed to the user accordingly. This function is intended to simulate the first “manual” blood pressure measurement, if used.



## Checklists

Tapping “Checklists” (7) opens a small overview in which you can select various checklists to view. By default, these are divided into the classic categories used in emergency services. You also have the option to calculate the GCS value, for example.

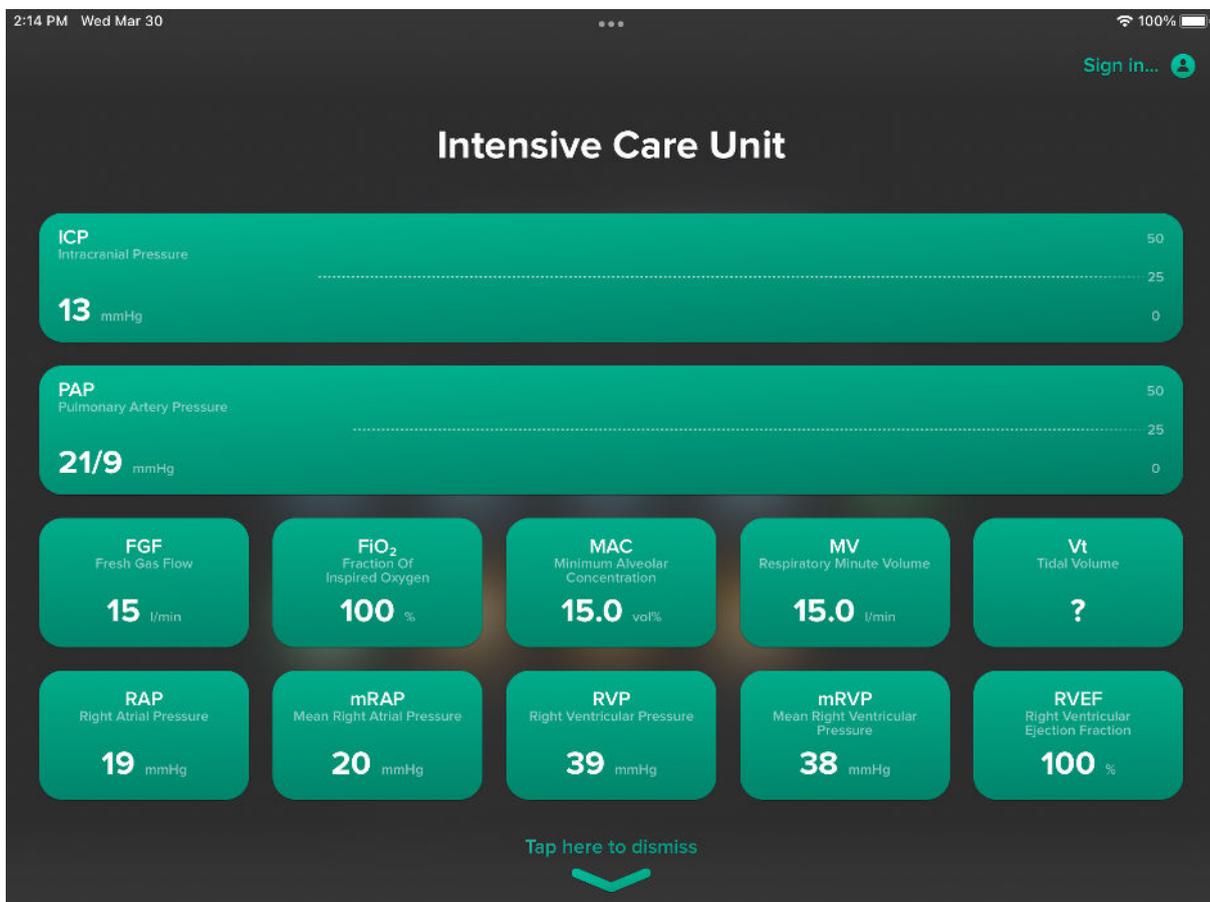




## ICU values

To switch to the view for ICU values, tap the corresponding icon (8). You will find two waveform graphs at the top. In these graphs you can display the values ICP, CVP, PAP and BIS. To change waveforms, tap the graph and then select the waveform you want.

Below this are numerical fields with all the values you would expect in an intensive care unit. You can activate/deactivate these and the waveforms on the qubeCONTROL unit and adjust the values accordingly.

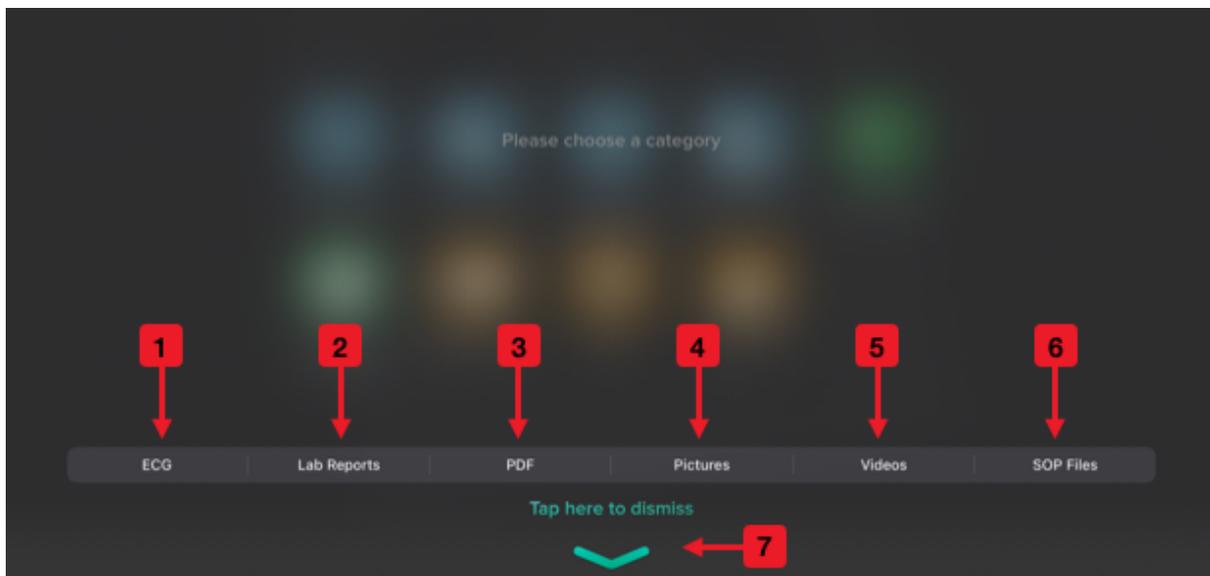


## Media center

To switch to the Media Center view, tap the corresponding icon (9). Here you can view all files that are important for your scenario. This includes all printed ECGs, laboratory reports, PDFs, images and videos that are assigned to your scenario.

When you send one of these data types from the qubeCONTROL unit, this is indicated by a badge. This means that a small red dot appears to inform the participants that new files are available. You can retrieve the files at any time. These will remain available for review even after a scenario has ended. Only when you start a new scenario will they be reset. Similarly, the SOPs or PDF files uploaded to the cloud can be displayed in the Media Center under item 6.

1. ECG – All ECGs printed on the monitor are stored here.
2. Lab Reports – Display the lab reports prepared on the qubeCONTROL unit.
3. PDF – PDF documents such as SOPs or other information.
4. Images – Images or drug charts for realistic simulation.
5. Videos – Videos pertaining to a scenario can be displayed here.
6. SOP / cloud PDFs
7. Close the view (alternative: swipe)





## Pager

To switch to the pager view, tap the corresponding icon (10). This allows you to start the scenario realistically. In qubeCONTROL, enter the text of the emergency message and send it to qubeASSESS. After receiving the message, the pager opens automatically and displays the message. Tapping the confirm button (1) acknowledges the alarm. If you want to see the emergency message again, you can open it by tapping the icon again. If more than one message is sent to the pager in a scenario, these can be browsed and displayed using the control buttons (2, 3).

1. Confirm and close
2. Previous message
3. Next message
4. Close the view (alternative: swipe)



## CO detector

To switch to the CO detector view, tap the corresponding icon (11). This view allows you to set up incidents involving carbon monoxide in the scenario, which could be used to train the learning goal “safety at the emergency site.” In qubeCONTROL, enter the desired value and send it to qubeASSESS. Once the value has been received, the CO detector opens automatically and displays the value. Tapping the confirm button (1) acknowledges the alarm. The alarm levels are divided into 3 ranges.

Alarm 1 – 30 to 60 ppm

Alarm 2 – 60 to 150 ppm

Alarm 3 – > 150 ppm

Different alarm tones are used to indicate the danger, based on the alarm level.

1. Alarm display with value
2. Red warning light
3. Close the view (alternative: swipe)





## Viewing SOP files on the assessment unit

In the cloud, you can assign SOPs or PDF files to the scenarios. These can then be displayed by the participants in the assessment software. For this you have to be logged in to the qubeCLOUD (see section “Logging in to qubeCLOUD”).

## Already measured values

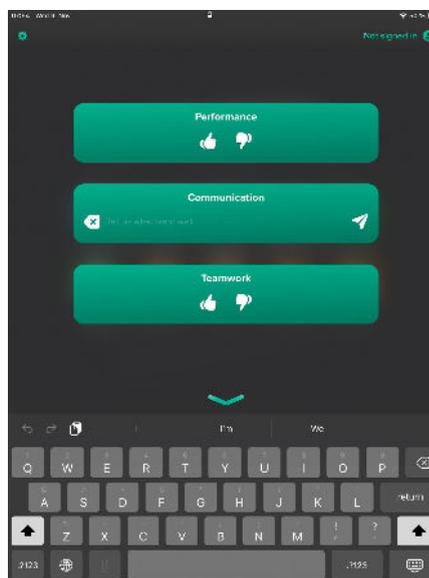
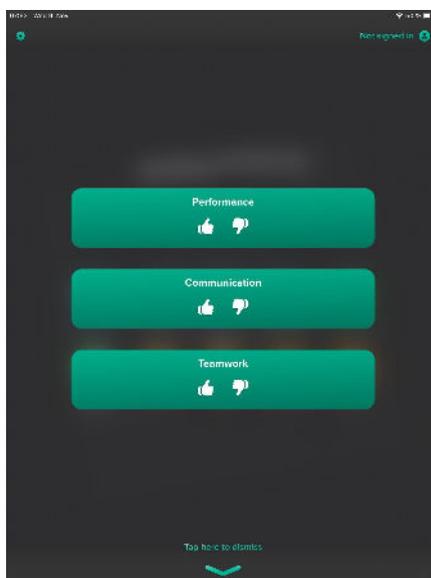
Values that have already been measured are displayed in qubeASSESS with a batch as shown in the figure below. Here you can find all the information already measured or see that new files have been received in the media center.



## Evaluate

Active and passive participants have the option to give feedback while a scenario is running. All they have to do is tap the thumbs-up or thumbs-down icon in the areas of performance, communication or teamwork. They can also enter an explanatory text. Tapping the paper airplane icon sends the feedback and saves it in the training log for later feedback/debriefing.

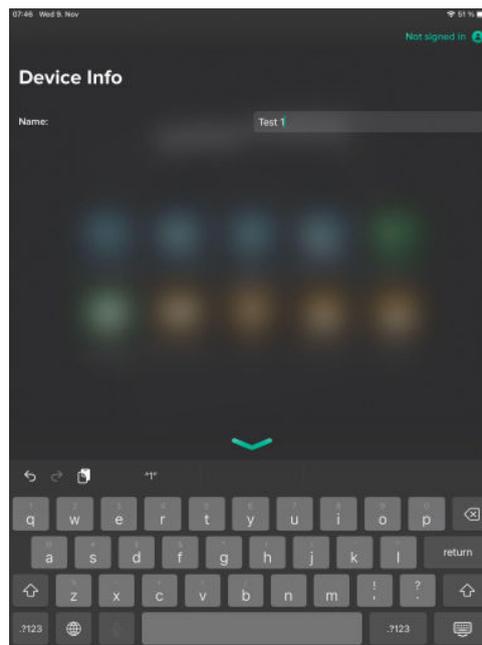
You can select or deselect this feature in the local app settings. Go to Settings -> qubeASSESS on the assessment iPad (see also “App settings” below).



## Device information

Tapping the gear icon takes you to the Device Info screen. Here you can see the name of the app. This is important for selecting the correct assessment app when searching for connections on the controller.

You can also rename the assessment app here. Simply tap the name and edit it as desired.





# Legal notice

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Online dispute resolution according to Art. 14 (1) ODR-VO: The European Commission provides an online dispute resolution (ODR) platform, which can be found at <http://ec.europa.eu/consumers/odr/>.