

USER MANUAL

SC PACS MOBILE APPLICATION

(Android, iOS)



СОФТУЕРНА КОМПАНИЯ ЕООД

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Sofia

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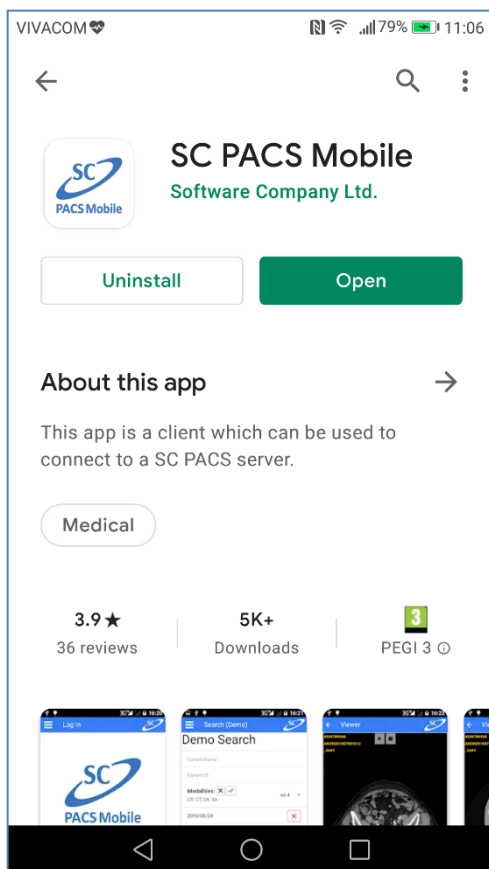
Requirements

- ✓ In order to use the SC PACS Mobile, a smartphone, tablet or other mobile device with Android or iOS operating system is required, with minimum requirements:
 - for Android – version 4.1 and above
 - for iOS – version 8.0 and above

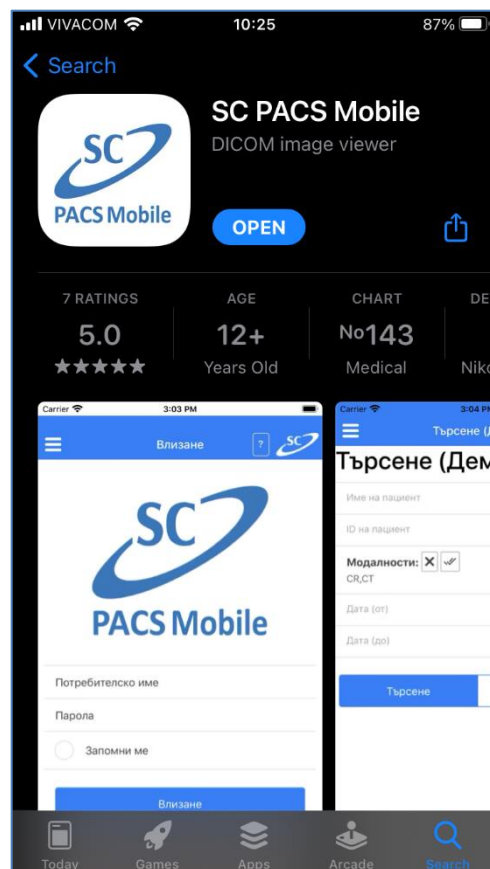
Installation

- ✓ The mobile app can be downloaded from the respective „store“ of the operating system, using „SC PACS“ in the search field.

Android



iOS



User Interface

- ✓ After installation is complete, the icon SC PACS Mobile will be visible on your mobile device:



- ✓ The Log in screen is the first one to be viewed after the app is opened. User name and password fields are to be filled in, and the option “Remember me” can be ticked - upon marking it the next time the application is opened the fields will be automatically filled in and in order to sign in you will only need to tap the Log in button.

Android

The Android version of the SC PACS Mobile app's Log In screen. The status bar at the top shows 'VIVACOM', signal strength, 79% battery, and the time 11:07. The app's header is blue with a menu icon (three horizontal lines), the text 'Log In', a help icon (question mark in a square), and the SC PACS Mobile logo. The main content area is white and contains the SC PACS Mobile logo, followed by 'Username' and 'Password' input fields, a 'Remember Me' checkbox, and a blue 'Log In' button. The bottom of the screen shows the standard Android navigation bar.

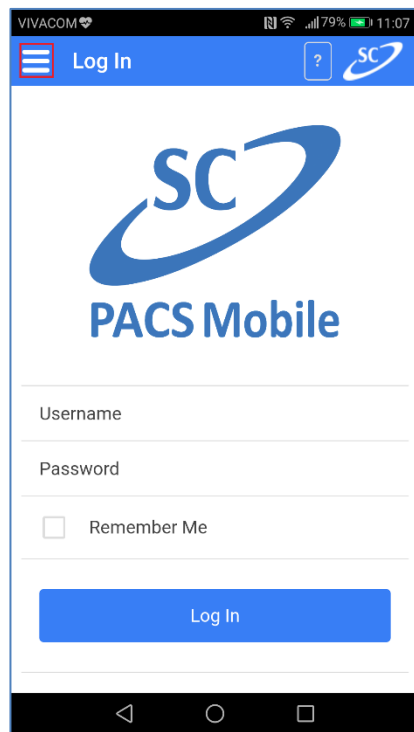
iOS

The iOS version of the SC PACS Mobile app's Log In screen. The header is blue with a menu icon, 'Log In' text, a help icon, and the SC PACS Mobile logo. The main content area is white and contains the SC PACS Mobile logo, followed by 'Username' and 'Password' input fields, a 'Remember Me' radio button, and a blue 'Log In' button. At the bottom, there is a red text warning: 'The mobile version of SC PACS is not intended for diagnostic purposes!'.

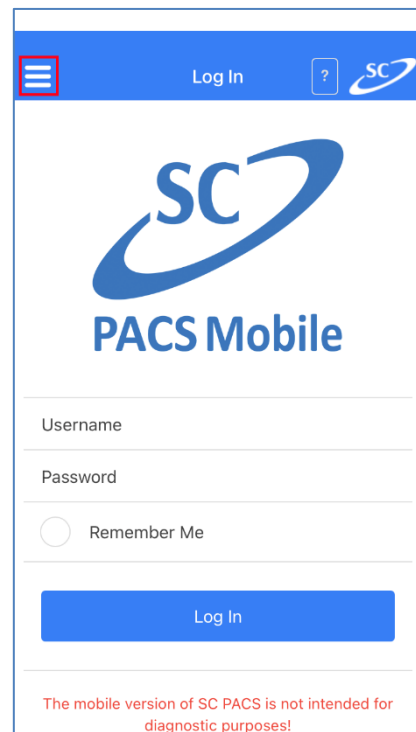
- ✓ The “Menu” button is visible in the upper left corner of the start screen (marked in red)

below):

Android

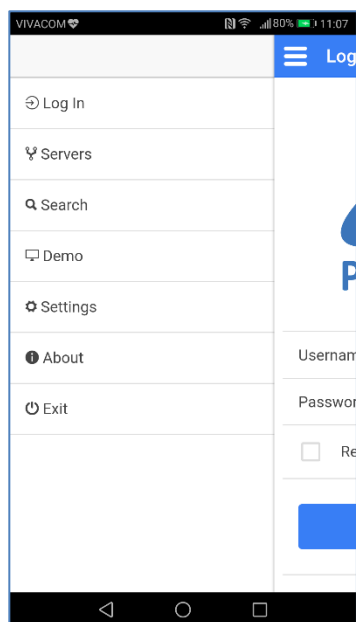


iOS

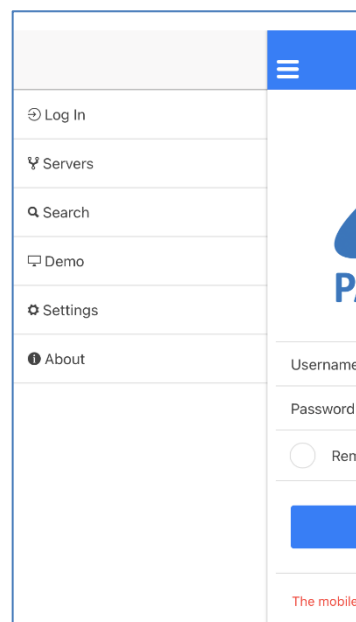


✓ The main menu of the app is expanded upon pressing the “Menu” button:

Android



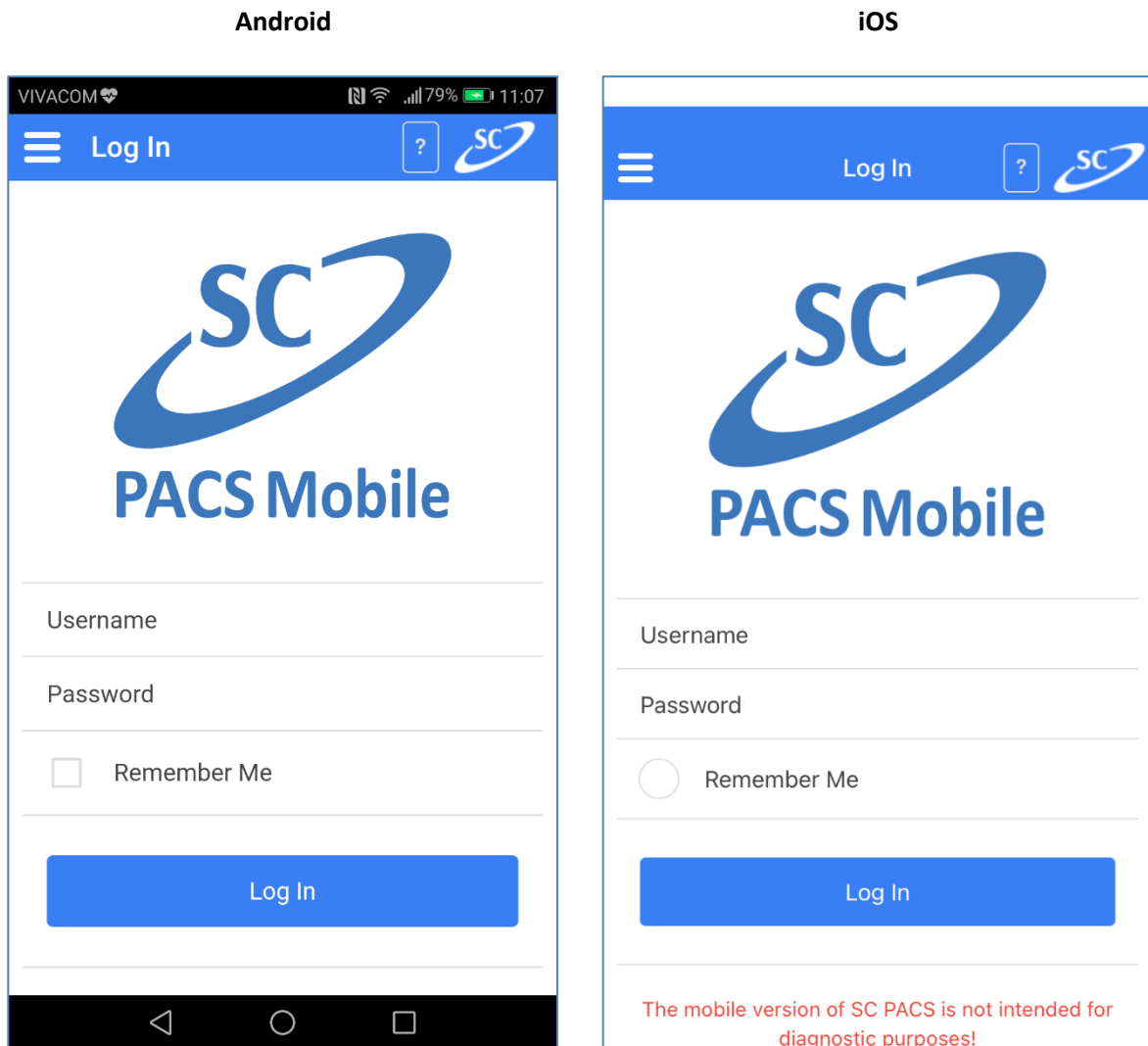
iOS



✓ Options in the main menu include:

- „Log in“
- „Servers“
- „Search“
- „Demo“
- „Settings“
- „About“
- „Exit“ (in Android version)

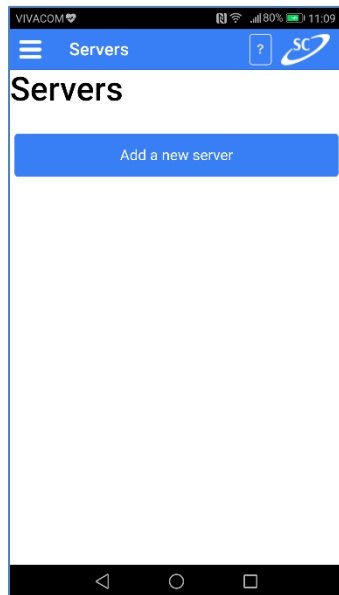
- ✓ „Log in“ – opens the initial screen of the app, where user name and password fields can be filled in and the option “Remember me” can be marked:



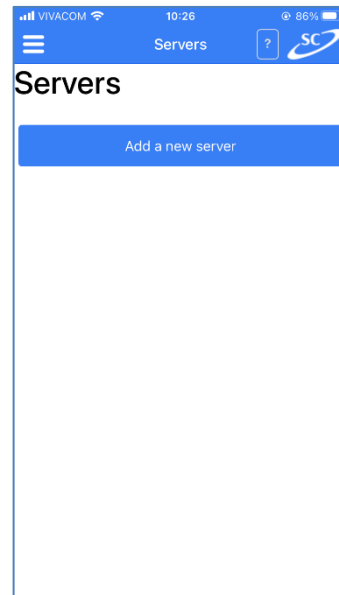
- ✓ „Servers“– enables configuration of access to different SC PACS Servers. On initial

opening the menu is empty:

Android

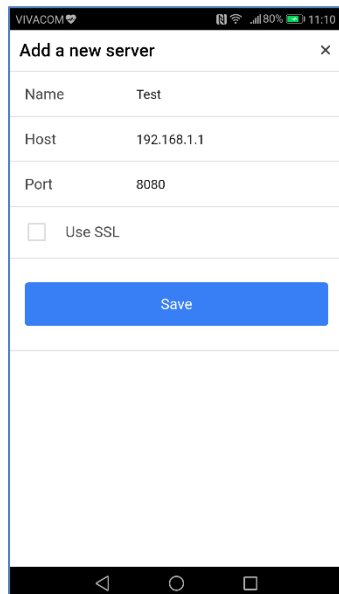


iOS

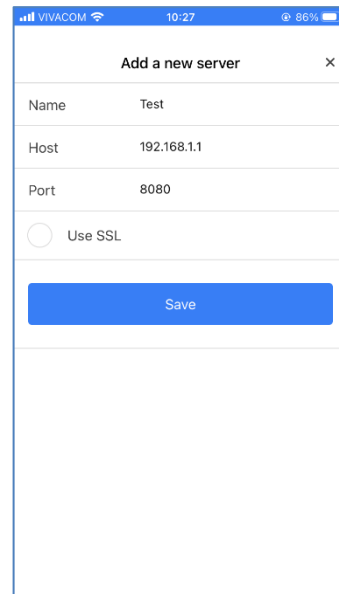


The button „Add new server” opens a menu, in which fields for the name of the server, IP address, Communication Port and an option for SSL encryption are available. Unlimited number of servers can be added.

Android

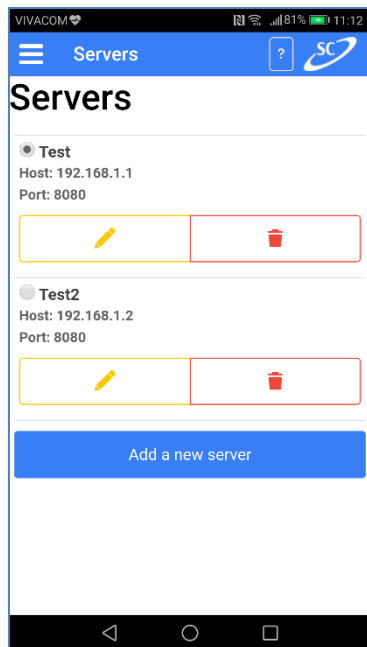


iOS

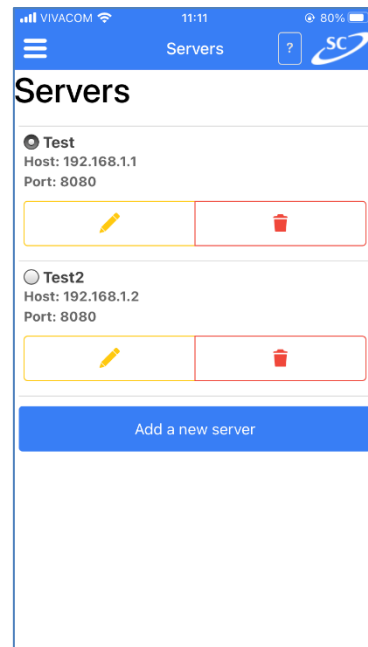


- ✓ If more than one server is configured, selection among them is through radio button, i. e. select the desired server to be activated and go back to the Log in menu in order to sign in using your username and password.

Android

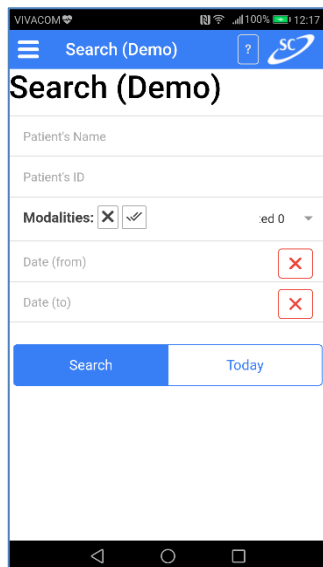


iOS

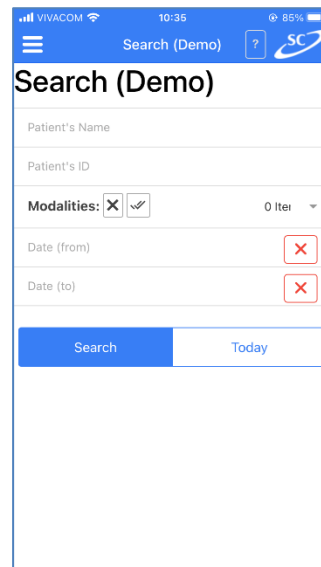


- ✓ „Search“ – after selection of active SC PACS Server and logging in, searching in the database is available on a single or multiple criteria. These include: Patient's name, Patient's ID, Modalities, Date (from), Date (to) and a 'Today' button, which shows all results from the present date.

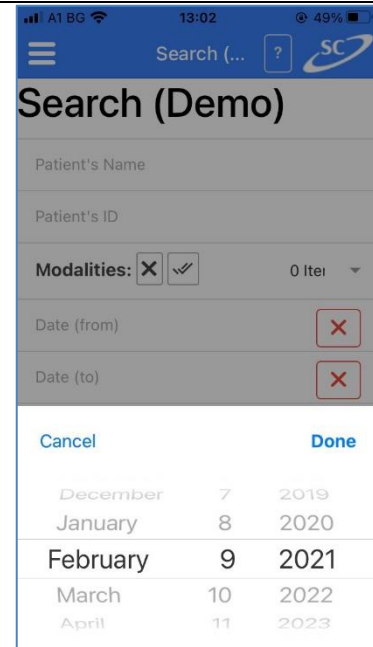
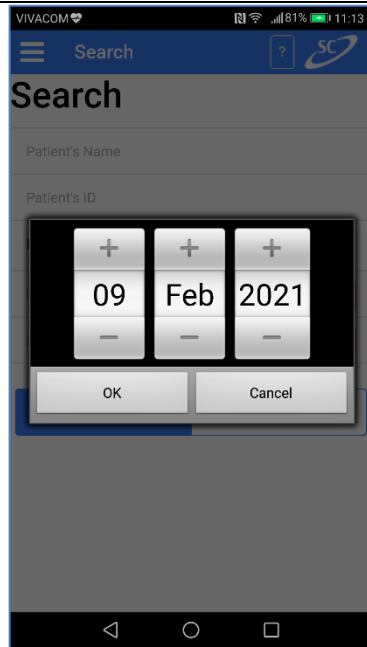
Android



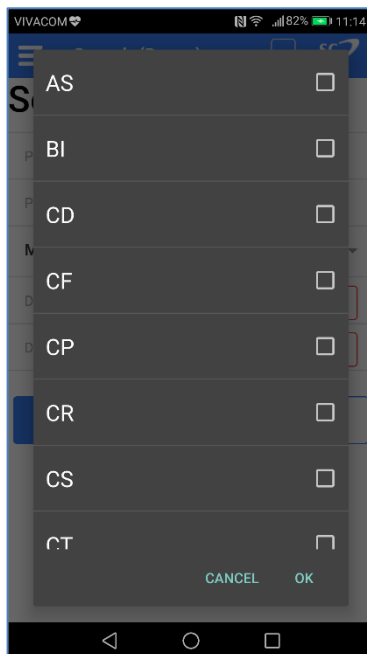
iOS



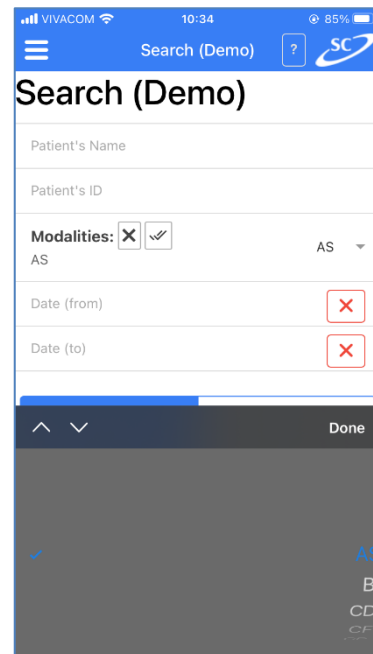
Android	iOS
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Android



iOS



- ✓ „Demo“ – this option allows the user to connect to a demo server to test the application. The search menu can be tested and different modality type anonymized exams can be opened. The

app can also be tested connecting it to your own SC PACS Server.

Android

Search (Demo)

Patient's Name

Patient's ID

Modalities: ☒ ☒ ed 0

Date (from)

Date (to)

Search Today

iOS

Search (Demo)

Patient's Name

Patient's ID

Modalities: ☒ ☒ 0 Iter

Date (from)

Date (to)

Search Today

- ✓ „ Settings“ – additional settings menu, where the following options can be configured: „Auto Login“, „Pixel Interpolation“, „Scale“ and „Language“ (English or Bulgarian)

Android

Settings

App Settings

Auto Login ☐

Pixel Interpolation ☒

Scale ☒

Language English

Reset Defaults

iOS

Settings

App Settings

Auto Login ☐

Pixel Interpolation ☒

Scale ☒

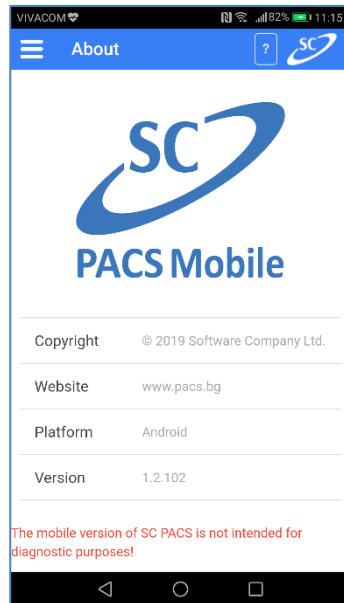
Language English

Reset Defaults

- Auto Login – if this option is activated, once the username and password are filled in, they will be used in each subsequent app start
- Pixel Interpolation – quality improvement when images are enlarged
- Language – language can be changed, Bulgarian and English are available

- ✓ „About“ – information for the application: copyright, developer website, platform the app uses, app version

Android



iOS

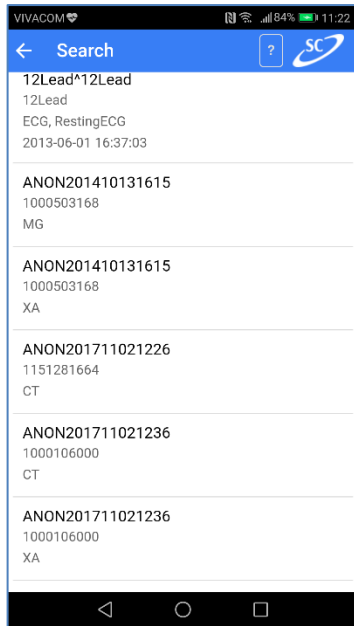


- ✓ „Exit“ – existent in Android only. When selected, the app will close and upon next app launch username and password will be required.

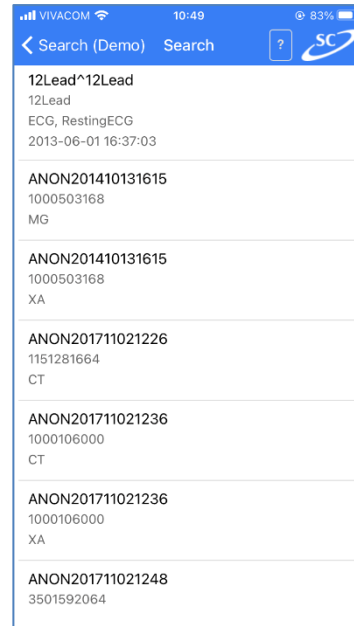
Using SC PACS

- ✓ SC PACS Mobile app is very easy to use. It provides a wide range of tools, practical search and the ability to search in multiple databases. The app is protected through username and password and SSL encryption is also available.
- ✓ Once the app is launched, select the desired SC PACS Server from the Servers tab in the main menu. After username and password are filled in and signing in is complete, the search screen is opened, where different search criteria are available. After input of the desired criteria tap the Search button and the search results will be loaded:

Android

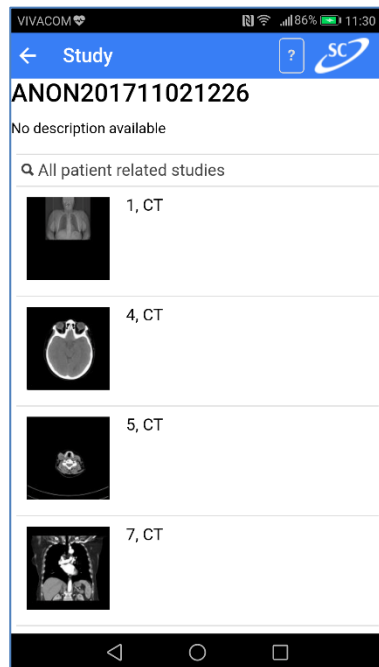


iOS

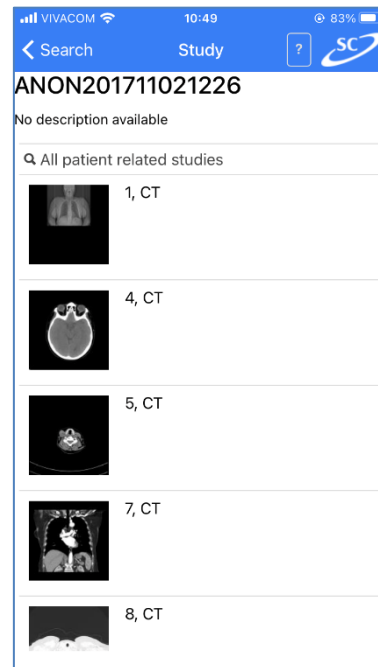


✓ When the desired patient is selected, the series of the study are loaded:

Android

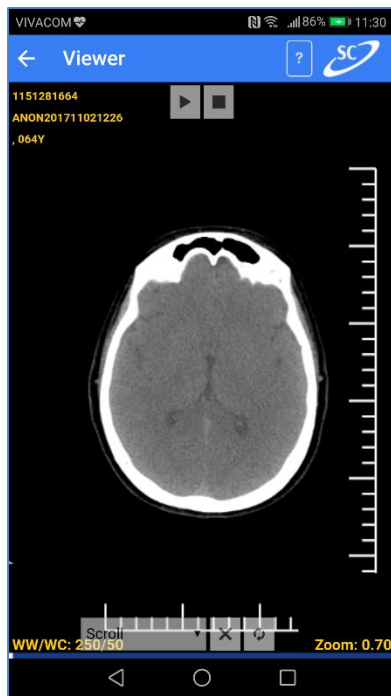


iOS

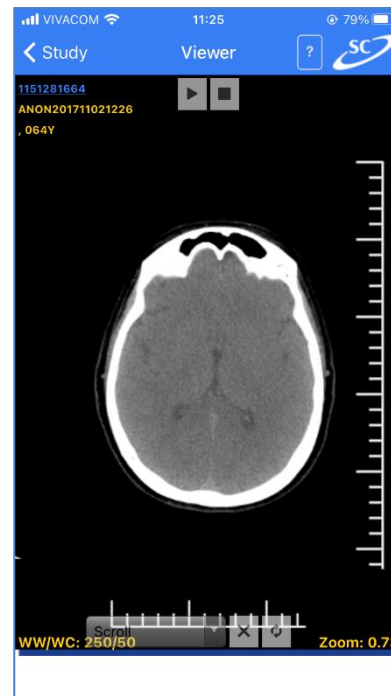


✓ When the desired series is selected, all images from that series are displayed:

Android

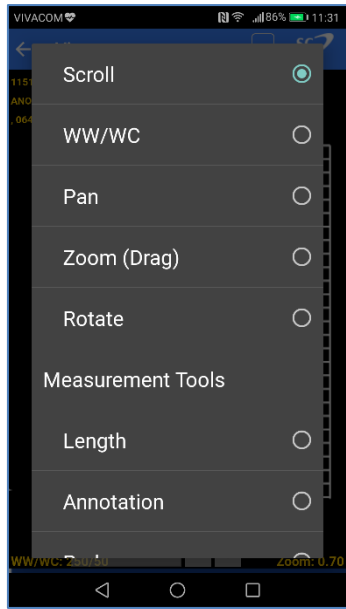


iOS

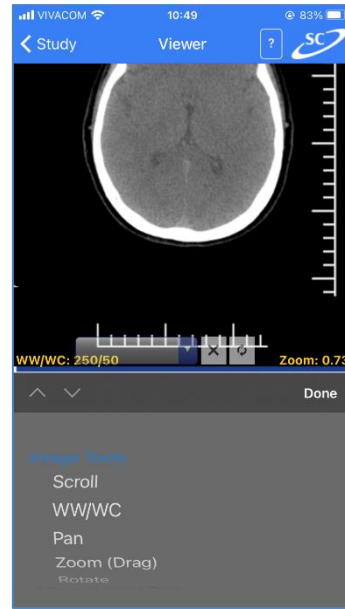


- ✓ After the series is loaded different types of annotations, measurements and image processing are available. The series can be played as a video if more images are available. Images can be increased and decreased by pinching and stretching your fingers over the image.
- ✓ A drop-down menu is displayed at the bottom of the screen, where different measurement tools and two buttons ('X' and 'Reload') are displayed. The 'X' button clears the annotations and measurements performed, while the 'Reload' button turns the image to its original appearance.
- ✓ Tapping the arrow next to "Viewer" in the upper left corner brings you back to the series menu. Tapping the arrow next to "Study" in the upper left corner (while in the series menu) brings you back to the initial search results.
- ✓ In a loaded series, after opening the drop-down tool menu, the following is displayed at the bottom of the screen:

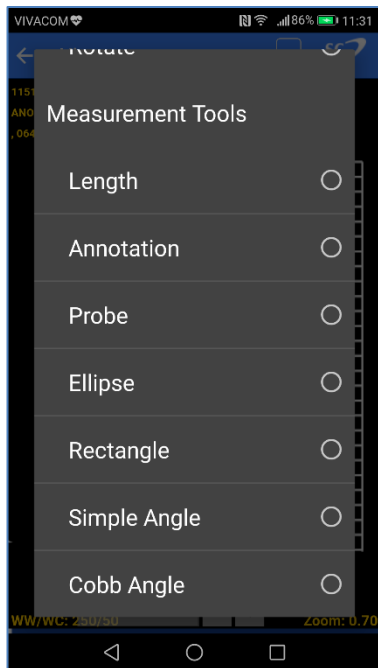
Android



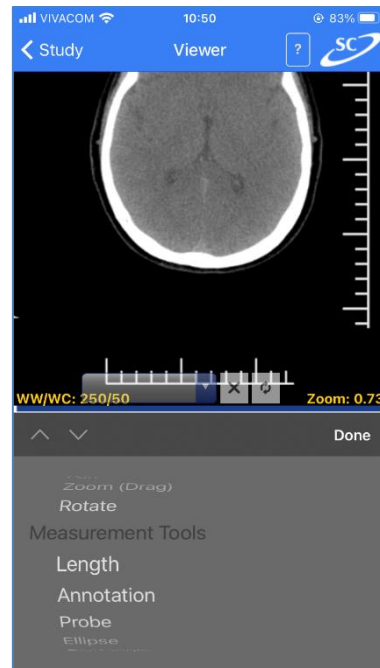
iOS



Android



iOS



The following options are available:

Image Tools:

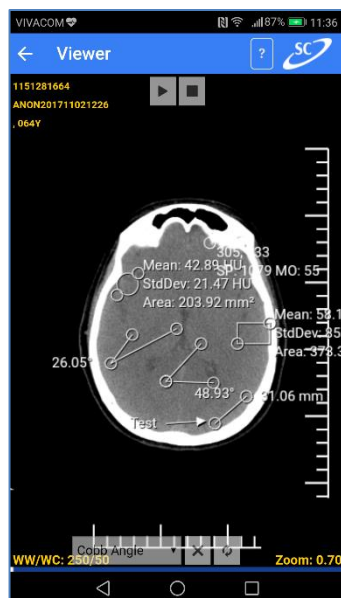
- „Scroll“ –scroll the image
- „WW/ WC“ –change contrast
- „Pan“ –move the image on the screen
- „Zoom (Drag)“ –zoom in/out; zooming in/out is also available in any other viewing mode using pinching and stretching
- „Rotate“ – rotate the image

Measurement tools:

- „Length“ – measure length in a straight line
- „Annotation“ – add annotations
- „Probe“ – density measurement
- „Ellipse“ – draw an ellipse, information about area, mean and standard deviation is provided
- „Rectangle“– draw a rectangle, information about area, mean and standard deviation is provided
- „Simple Angle“ – angle measurement
- „Cobb Angle“ – Cobb angle measurement

Images with different annotations and measurements are provided below:

Android



iOS

