



The BiliPic System

Application Usage
Instructions

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Installing The BiliPic Application

Step 1



Ensure that the phone is connected to the internet.

Step 2



Install the “BiliPic” app on the Google Play Store.

Step 3



Find and tap on the BiliPic app that was downloaded to your Android device.

Launch the application from your Android device.

The application will launch and display the home screen.

Navigating The Home Screen



The BiliPic App's Home screen has four (4) buttons.

About Jaundice, Clinic, Language, and Settings.

About Jaundice provides detailed information about Jaundice, as well as public teaching modules.

Clinic has a great amount of features, these will be expanded upon in future pages.

Language provides the option to change to your preferred language.

Settings provides basic settings to help make your experience using the app easier.

First Time Setup

Activate

Please activate your device

Serial Number

34984519-c3c7-4ca3-94e8-4d1ef108d21a

1234
Code

Location

Code Activation

Enter Code

Tap blue arrow to submit

Each device will be identified by the clinic where it is used. When the application is initially installed, it does not know what clinic to record data under.

Clicking the **Clinic** button will then show a screen to “activate” your device. Before a phone can use the clinic features it must enter the code for that clinic.

Click the **Code** button and enter the code provided.

Several users can be registered for each device.

Select User

1 Richard Wennberg

2 Iman Iskander

3 Zubaida Farouk

Each clinic has a unique set of users to help with data collection.

Select your name from the list provided.

Patient

New Patient

Recent Patient

Existing Patient

When taking a photo of the BiliPic test for the first time, the application needs to create a record number to represent the patient information for the website.

The **New Patient** button begins taking readings for a new patient.

The **Recent Patient** and **Existing Patient** buttons append more information.

BiliPic, Reading,
& Patient Tools

Result Locator 705983



Record



History



Examination



BiliPic



Photo



Lab



Notes

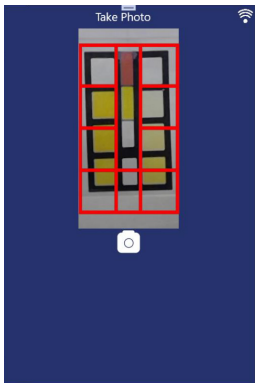
This section will walk through the process of taking the reading of the test strip, using the **BiliPic** and **Lab** buttons.

Within the readings tab, If you tap on the **BiliPic** button, you will be prompted to take a photo of your test strip.

If you tap on the **Lab** button, you will be prompted to enter laboratory values.

For the sake of this explanation, the other buttons will be expanded upon in future clinical trials.

Tap on the **BiliPic** button, and we will continue with this trial process.



Once you have clicked the **BiliPic** button, its time to take the reading.

Using the camera on your Android device, align the test card within the red template displayed within the app.

Be sure to align the test strip (blood) at the top of the photo, and be sure to keep the card straight across on the top of the template.

Additionally, it is important to keep the test strip centered in the middle of the template.

When the test strip is perfectly aligned with the red template, tap the **camera** button to take a picture.



Result Locator 415073

6/20/2021 12:35 PM

29.7 mg/dl

507.87 μ mol

Details

Follow Procedure



Once the results are ready, they will be displayed on the screen.

Results will be transmitted to the website, but we will need to backup this data manually on the provided data sheets:

Locator Number:

ex: 415073

Patient Clinic ID:

to match lab data

Bilirubin Value:

ex: 29.7

For the study, obtain and **record three (3) photo results** for each BiliPic test sample.

When done, tap the **blue next arrow**.

Result Locator 705983



Record



History



Examination



BiliPic



Photo



Lab



Notes

For this study **take three (3) BiliPic readings** for each test strip.

In the excel spreadsheet, record each value in sequence and date/time of the first photo.

When done with this blood sample, tap the **back arrow** to reach the new patient page and start a new BiliPic assay

Ensure you go back and select New Patient (i.e., new locator number) for each new blood sample. It is okay to obtain serial blood samples from a given patient but, for the validation study, treat each sample as a new patient.

Patient



Recent Patients

List of patients recently seen

988512	06/20
BiliPic	25.4

To add new lab data to the digital file or if you mistakenly press the back button before 3 BiliPic photos were taken, tap **Recent Patient**.

A list of recent patients will be displayed from most recent on the top to least recent on the bottom. Tap on the patient to see more details about their results.

Alternatively, tap **Existing Patient**. Within there you can enter the locator number for that patient. You can match locator number with clinic ID using the excel sheet.

Patient

New Patient

Recent Patient

Existing Patient

Existing Patient

Enter existing result locator:

Tap blue arrow to submit

4 1 5 0 7 3 | x

To load an existing patient record that is not found on the Android device through the **Recent Patient** button, tap on the **Existing Patient** button.

Once pressed you will be taken to an additional screen, on this screen you will be to enter the patient's existing result locator number.

Once the patient's existing result locator number is entered tap the **blue next arrow** to find that patient.

Patient

New Patient

Recent Patient

Existing Patient

Laboratory

Result Locator: 988512

Enter Laboratory Value

Tap blue arrow to submit

➔

When the laboratory value is returned, enter the lab value in the Excel sheet and application.

Tap on **Recent Patient** or **Existing Patient**.

Once within the Patient tab, tap on the **Lab** button.

Enter the laboratory value recieved as a decimal (e.g., 24.2)

After entering the laboratory value press on the blue next arrow to finish the process.

