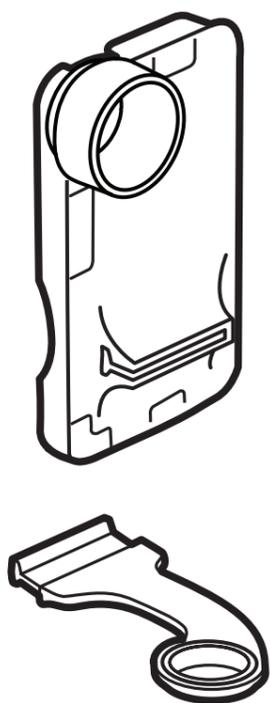


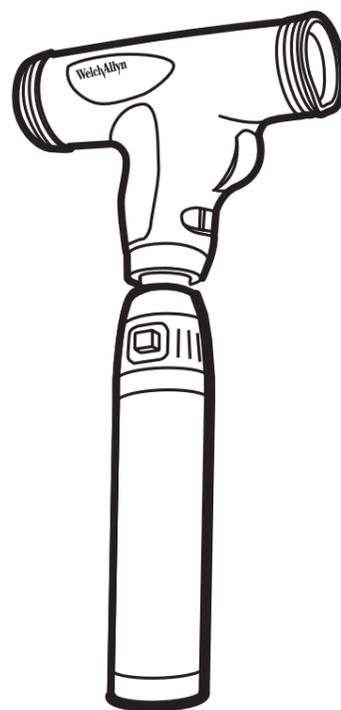


# **iExaminer® Pro Quick Reference Guide**

# 11810 / 11820



**iExaminer  
adapter**



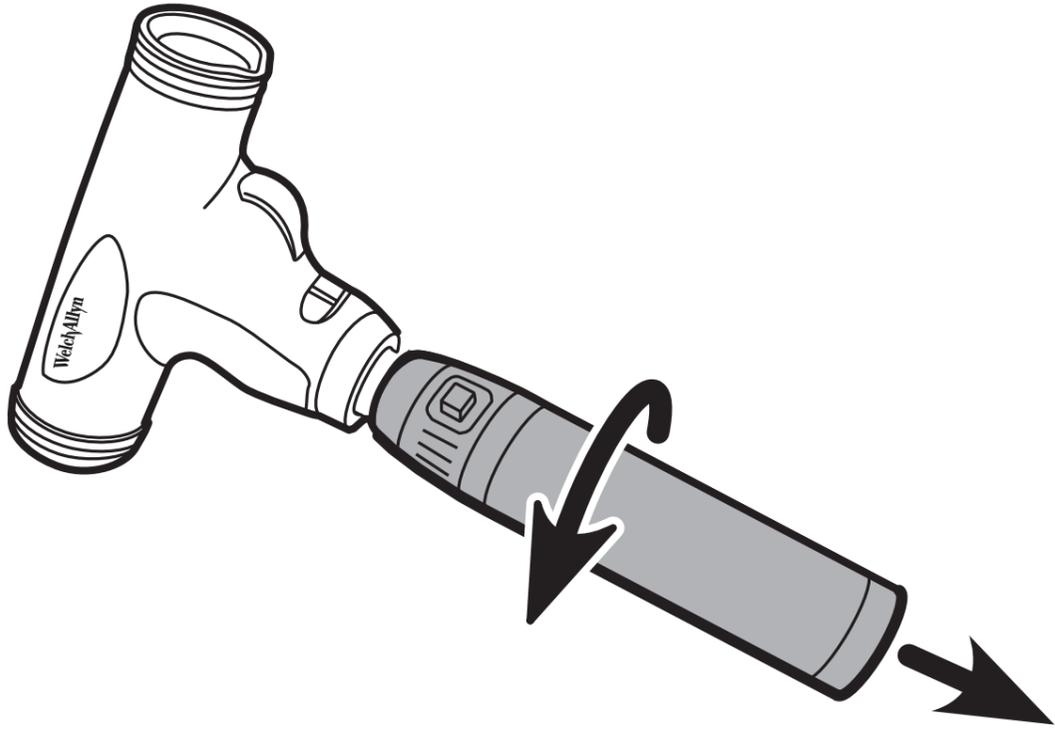
**PanOptic  
ophthalmoscope**

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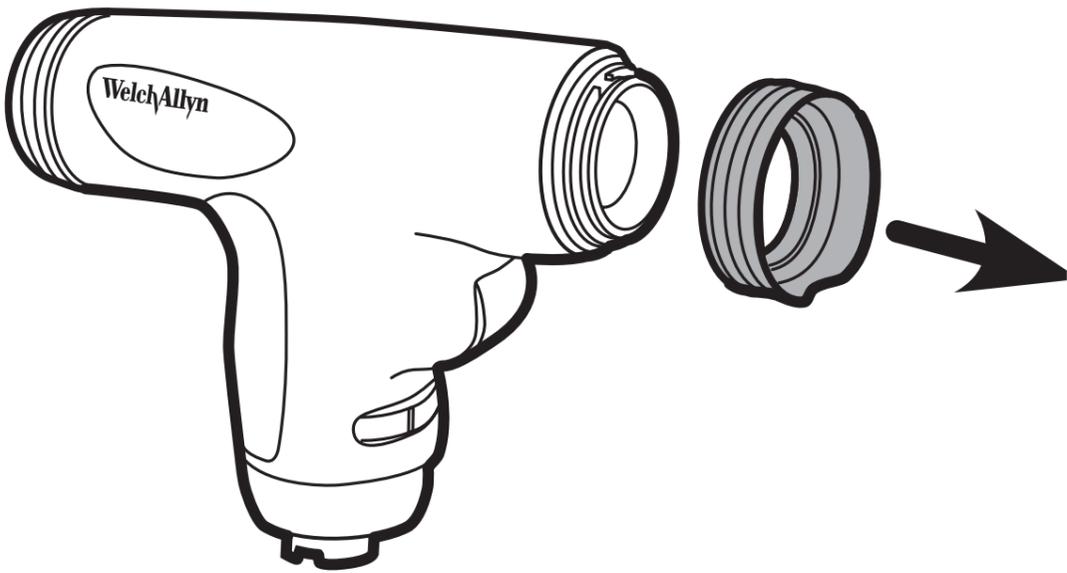
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# Assembly instructions

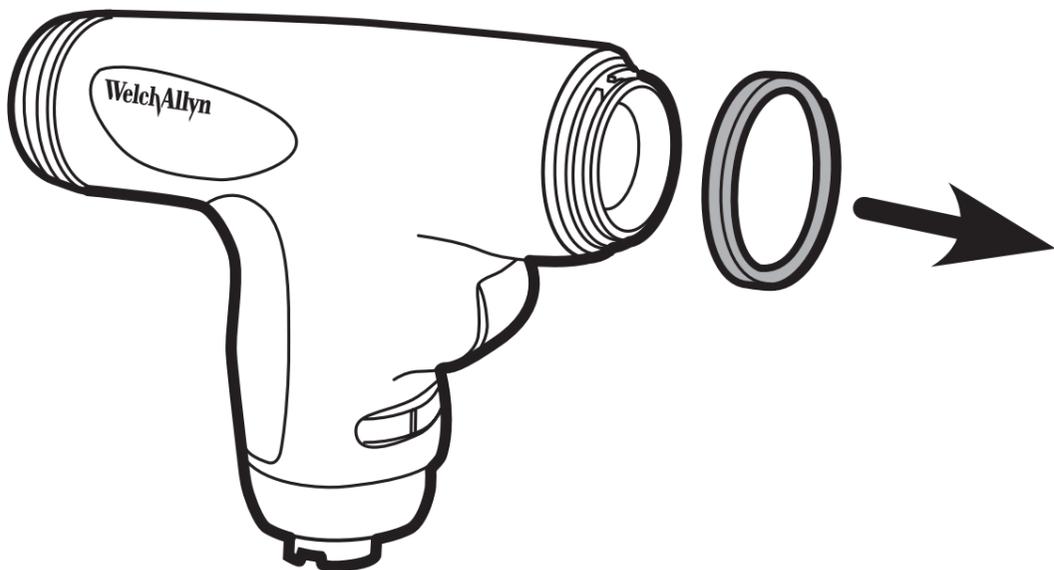
1



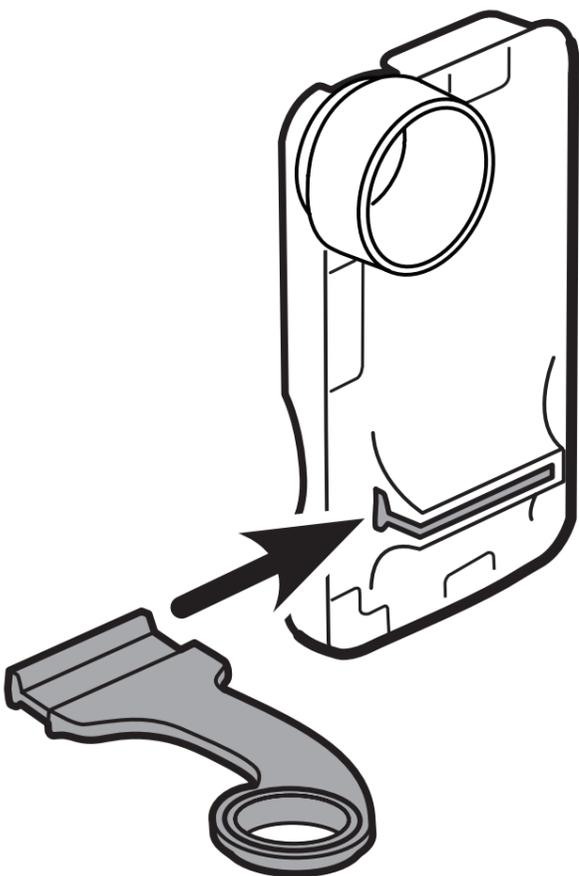
2



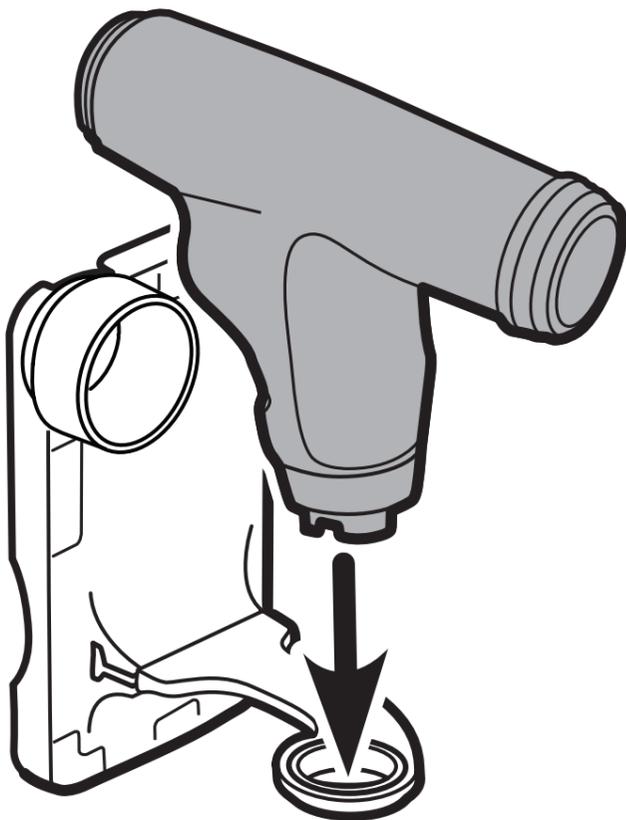
3



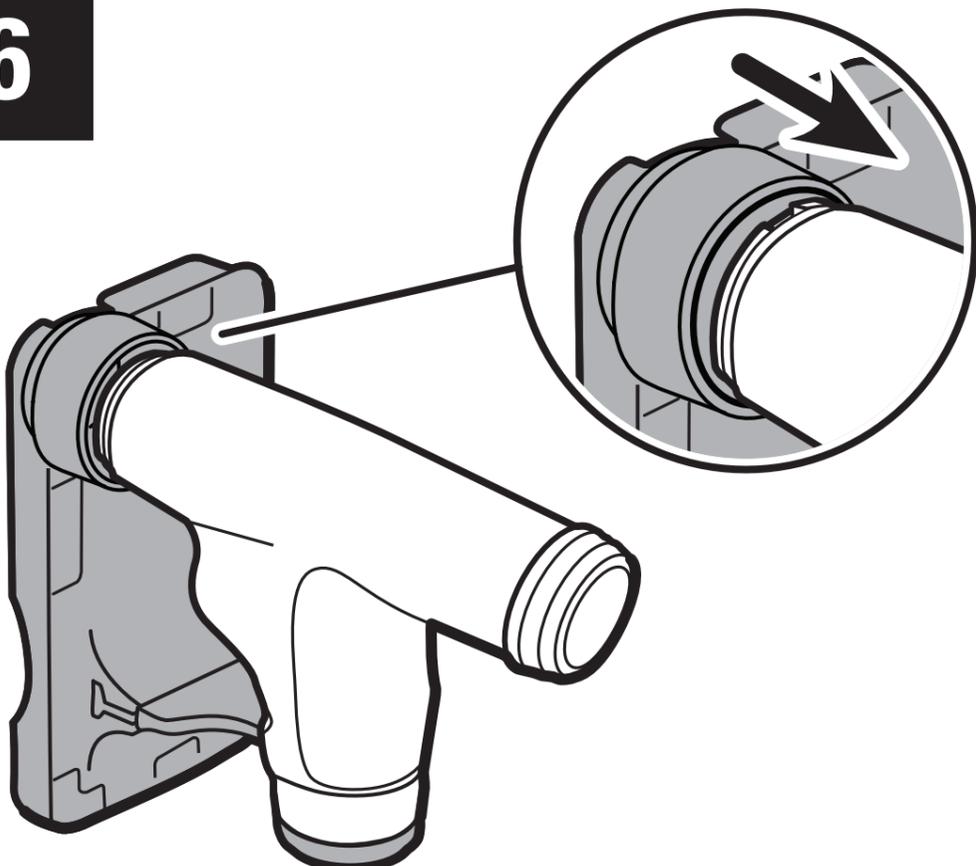
4



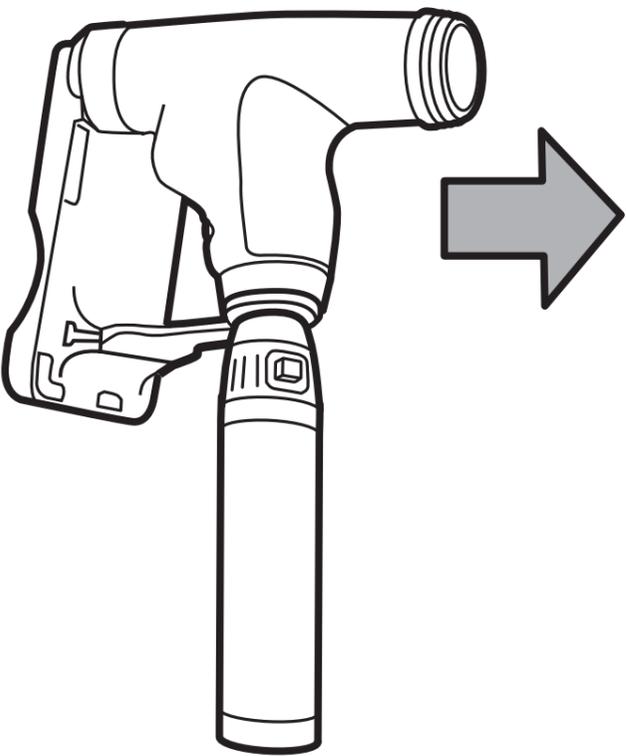
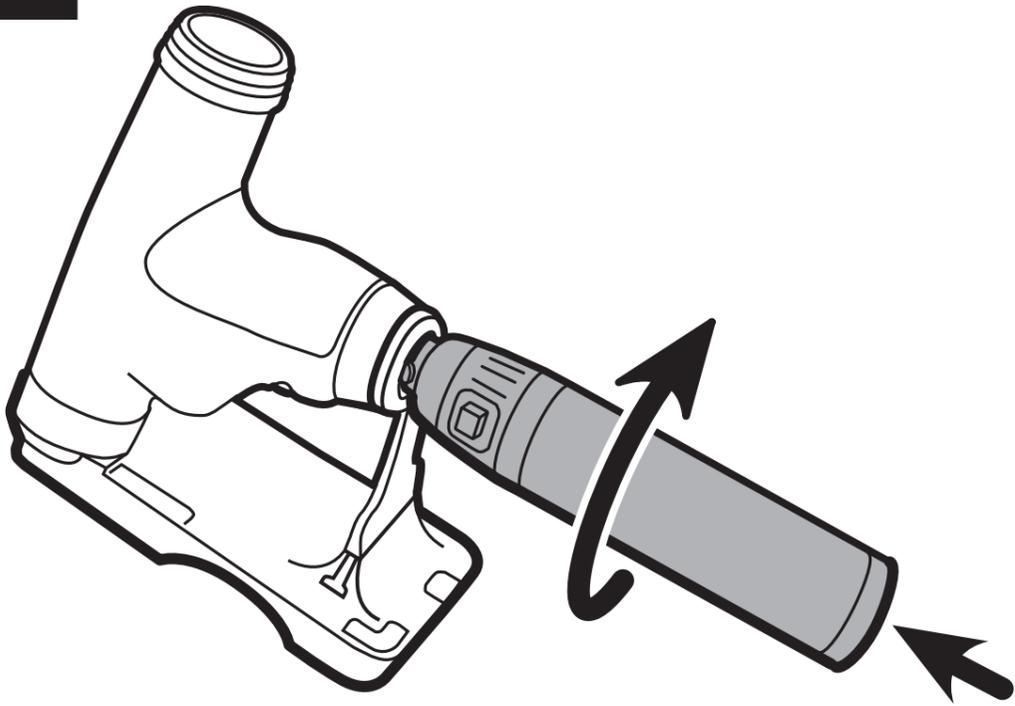
5



6



7



## Training

Learn the best techniques for an eye exam and more at:

[www.welchallyn.com/diagnosis101](http://www.welchallyn.com/diagnosis101)

# Indications for use

The iExaminer® is an attachment and software used only with mobile devices in conjunction with the Welch Allyn PanOptic™ ophthalmoscope to allow users to capture, send, store, and retrieve images of the eye. The device is intended to be used by trained personnel within a medical or school environment.

Currently the iExaminer is designed for use with the iPhone 6, 6 Plus, 6s and 6s Plus.

Use of the iExaminer must be consistent with the iExaminer indications for use and the PanOptic ophthalmoscope Directions for use.

 **WARNING** Always use the iExaminer application when sending images or patient files. Do not send patient images from the camera roll to prevent associating patient images incorrectly. Limit use of the camera roll images to training and non-clinical uses only.

 **CAUTION** Evaluate images on the Welch Allyn iExaminer in adequate light. Image evaluation has not been tested in low-light conditions.

 **CAUTION** When using the Welch Allyn iExaminer, use the Welch Allyn model 03800 Halogen lamp in the PanOptic ophthalmoscope.

# Before using the iExaminer application

Confirm that you have completed the following:

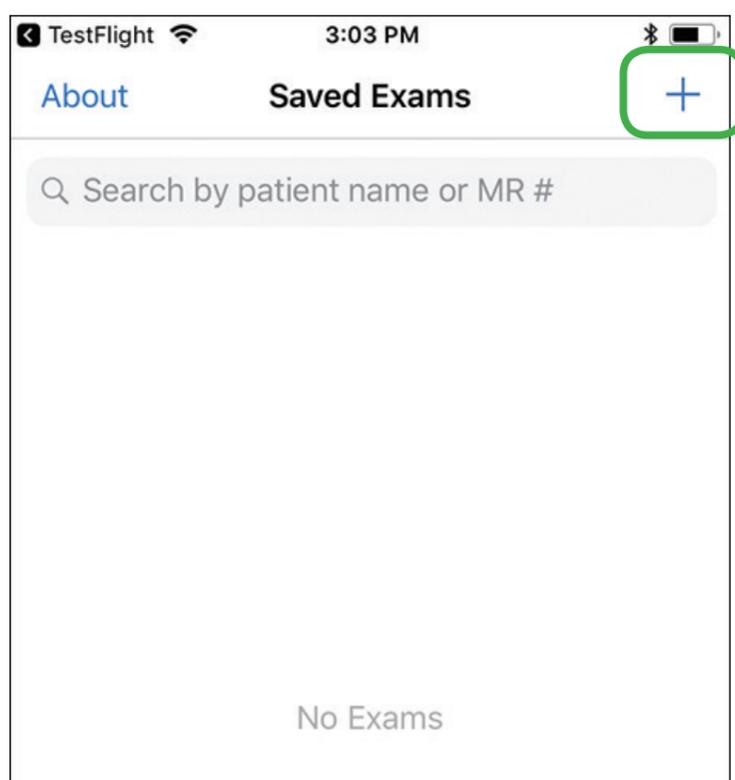
- Attach the Welch Allyn iExaminer adapter to the PanOptic ophthalmoscope.
- Download the iExaminer application from the iPhone App Store.
- Slide the iPhone into the iExaminer adapter.

## Capture a retinal image

### Overview

The iExaminer application allows you to rapidly capture a series of retinal images. After capturing the images, you can review and store any images that you determine to be high quality.

1. Open the iExaminer application.
2. Tap **+** to add a new examination record.



3. Tap **“Add Picture”** to capture retinal images for the right eye (OD) or left (OS).

No SIM 3:04 PM

Cancel Exam Save

**Patient Information**

**Patient name** Tap to enter

**Date of birth** Tap to enter

**MR #** Tap to enter

**Hx** Tap to enter

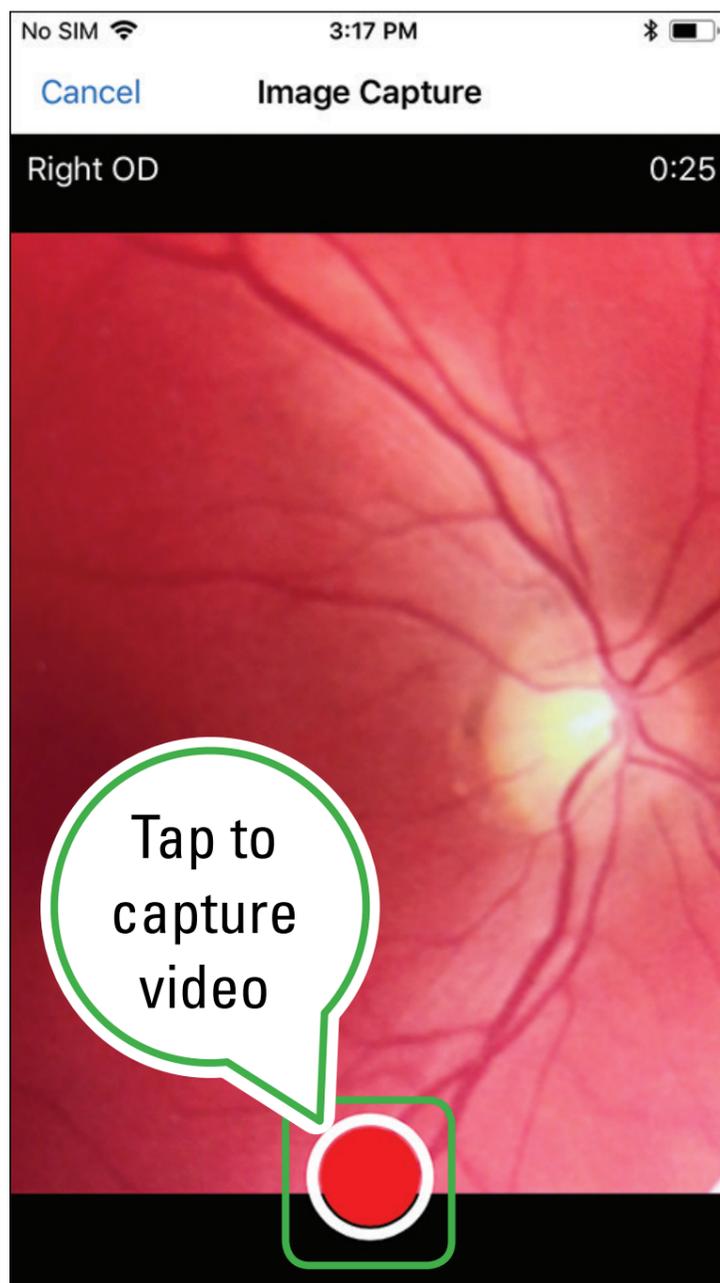
**Right OD**

Add picture				
-------------	-------------	-------------	-------------	-------------

**Left OS**

Add picture				
-------------	-------------	-------------	-------------	-------------

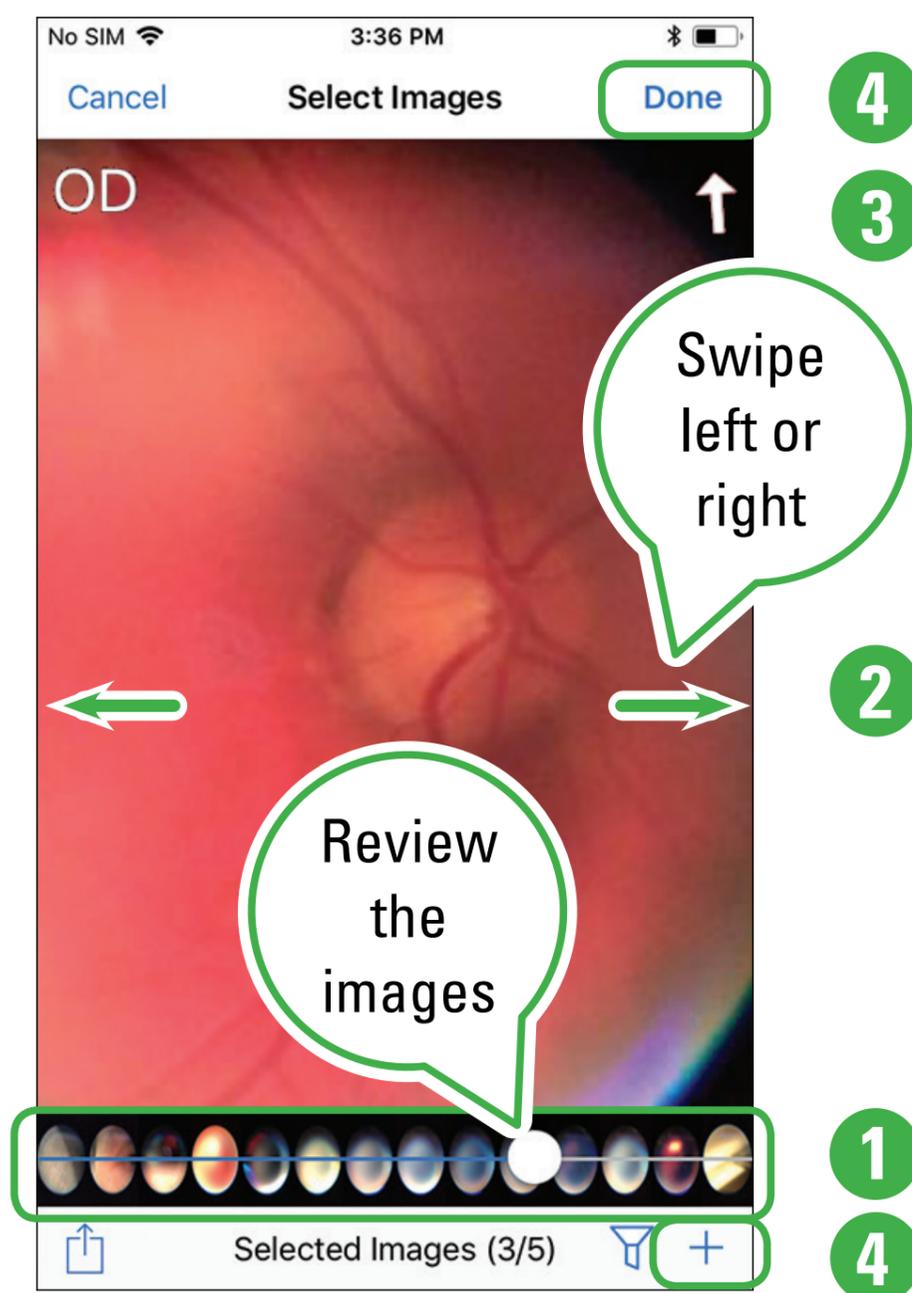
4. Tap the record button to start recording.



5. Position the ophthalmoscope in front of the selected eye to capture the desired image.
6. Tap the record button to stop. Recording will stop automatically at the default setting.

# Review a retinal image

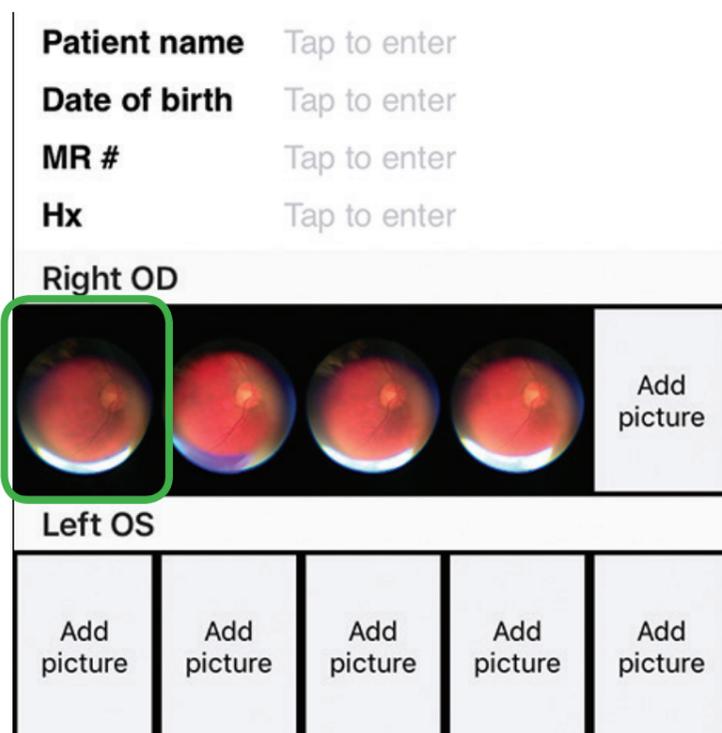
1. Use the slider to review the images.
2. Individual images can be viewed by swiping left or right.
3. Vertical orientation arrow. This arrow indicates which direction is up on the captured image.
4. Tap **+** to select the image you want to save. You can select up to five images per eye. Press **Done** to view the record.



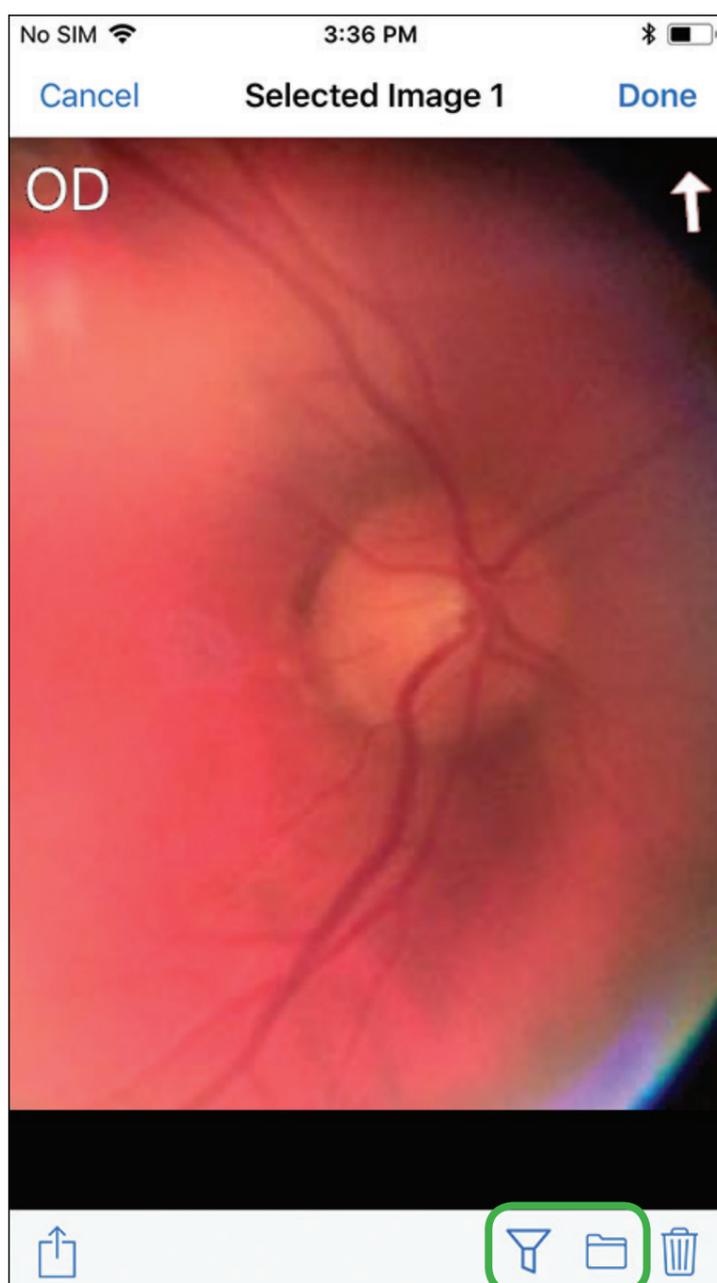
**Note** You can save up to five frames for each eye.

# Image filters and move an image

Tap an image to apply a filter or move an image.



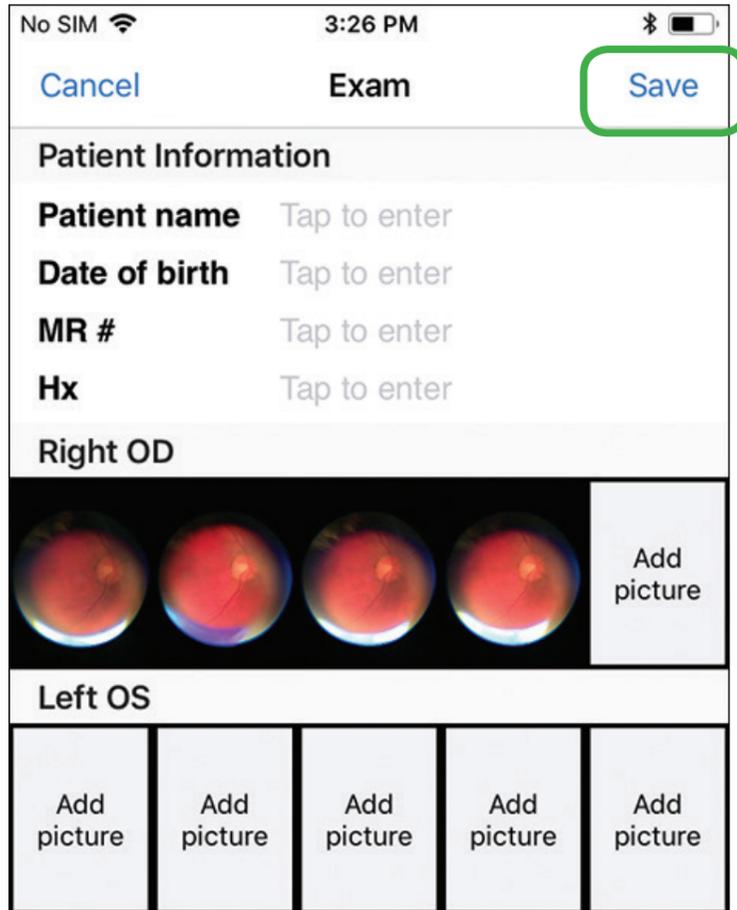
1. Tap  to apply a grayscale filter, high-contrast filter, or red-free filter. Filters are only saved on stored or transferred images.
2. Tap  to move the image to the other eye.



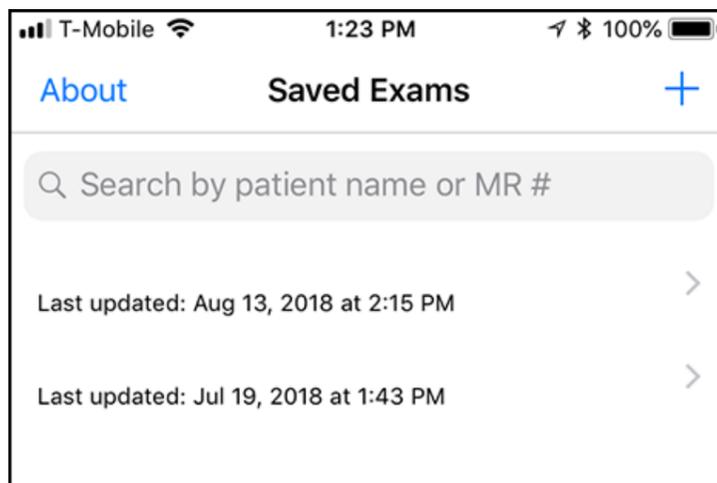
1 2

# Save a patient file

When the patient file is complete, tap **Save**.

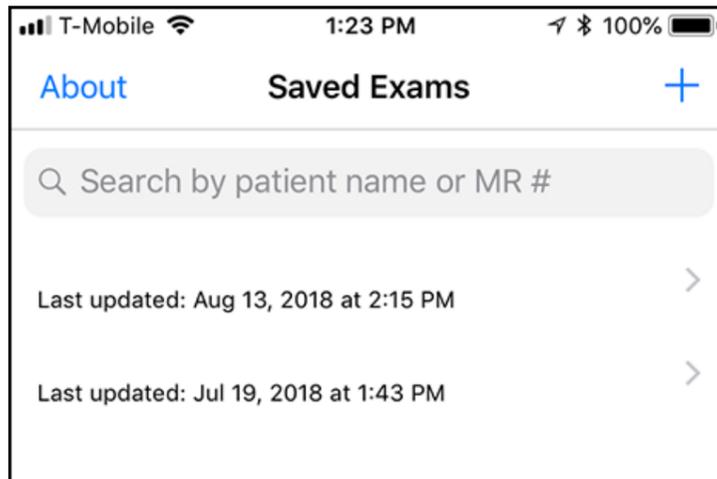


**Note** You can add patient information before or after you save a patient record.



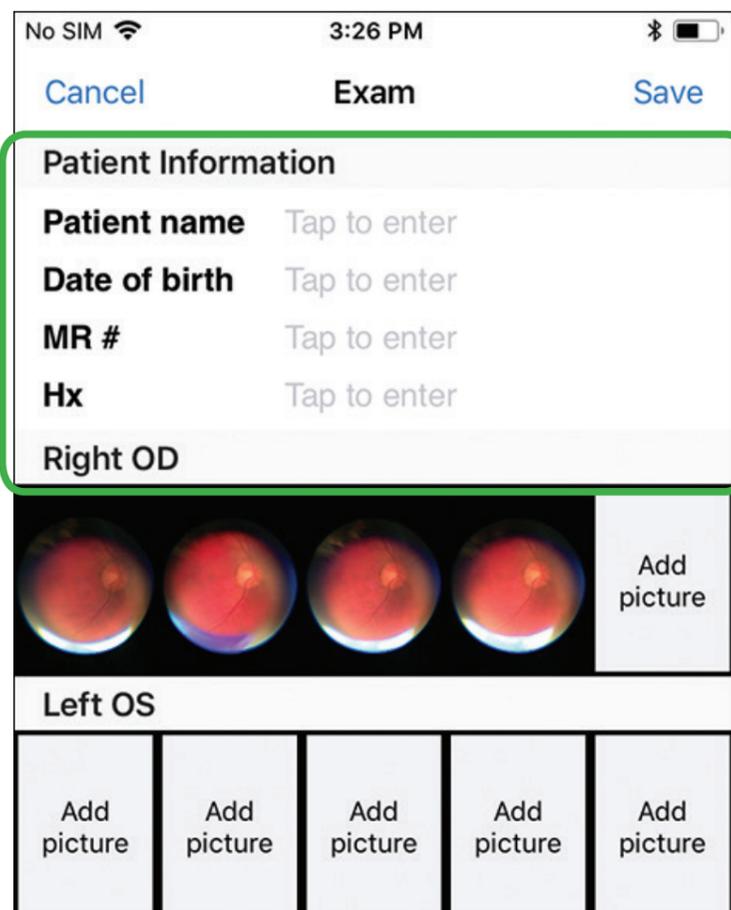
# Open and edit a patient file

1. From the item screen, tap the desired saved exam.



The Patient information screen opens, displaying the selected exam.

2. To enter patient information, tap the active area of each field you want to change.



3. Based on the field you select, use the keyboard or numeric pad to enter Name, MR # (medical record number) and Hx (history).

The screenshot shows a mobile application interface for an eye exam. At the top, there are status indicators: "No SIM", signal strength, "3:26 PM", and battery level. Below the status bar are three buttons: "Cancel", "Exam", and "Save".

The main content area is titled "Patient Information" and contains the following fields:

- Patient name**: Dave P
- Date of birth**: Tap to enter
- MR #**: Tap to enter
- Hx**: Tap to enter

Below the patient information are two sections for eye images:

- Right OD**: A row of four circular images showing the right eye, with an "Add picture" button to the right.
- Left OS**: A row of five "Add picture" buttons.

A keyboard is overlaid at the bottom of the screen, with a green box highlighting the letters q through p. The keyboard includes a "Done" button and a "space" button.

4. Choose a date of birth in the dialog.

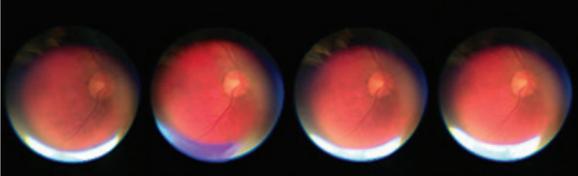
No SIM 3:27 PM

Cancel Exam Save

**Patient Information**

**Patient name** Dave P  
**Date of birth** Aug 23, 1960  
**MR #** Tap to enter  
**Hx** Tap to enter

**Right OD**

 Add picture

**Left OS**

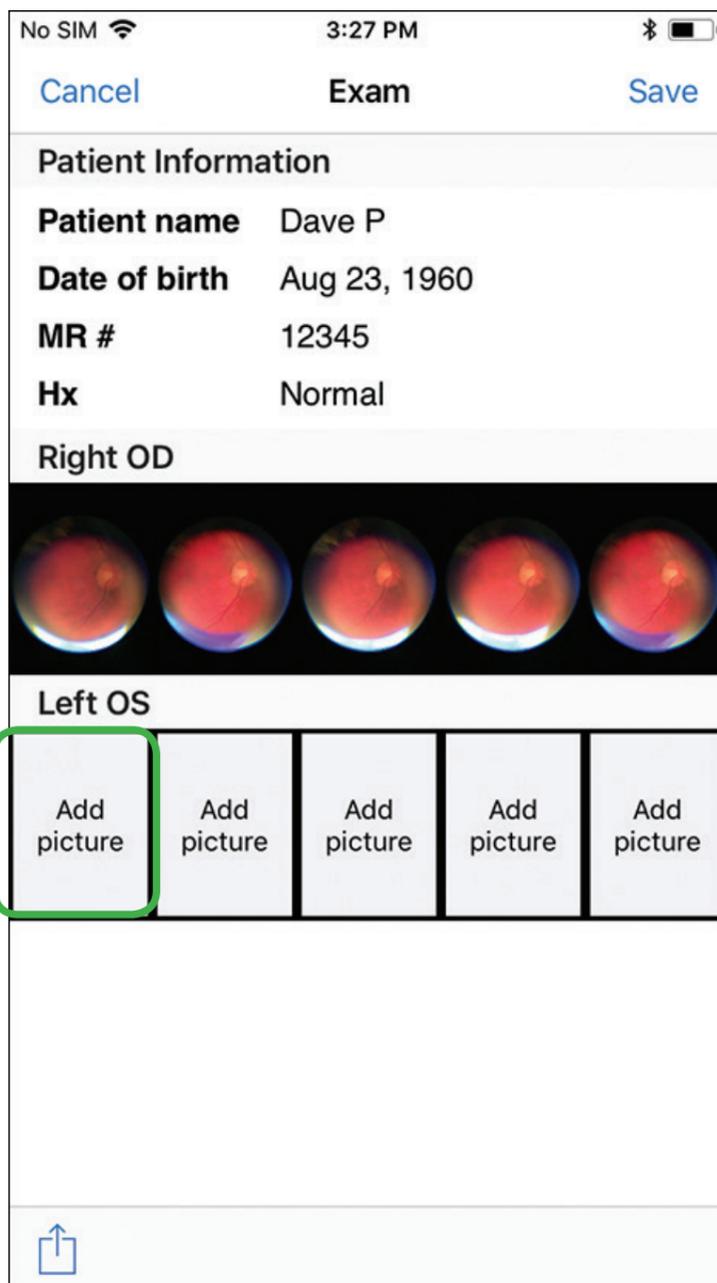
Add picture	Add picture	Add picture	Add picture	Add picture
May	20	1957		
June	21	1958		
July	22	1959		
<b>August</b>	<b>23</b>	<b>1960</b>		
September	24	1961		
October	25	1962		
November	26	1963		

5. To capture additional images for the Right OD, tap **Add picture**, then follow previous steps.

The screenshot displays a mobile application interface for an eye exam. At the top, the status bar shows "No SIM", "3:27 PM", and a battery icon. Below the status bar, there are three buttons: "Cancel" on the left, "Exam" in the center, and "Save" on the right. The main content area is divided into sections. The first section is titled "Patient Information" and contains the following details: "Patient name" (Dave P), "Date of birth" (Aug 23, 1960), "MR #" (12345), and "Hx" (Normal). The second section is titled "Right OD" and features four circular images of the right eye. To the right of these images is a button labeled "Add picture", which is highlighted with a green rectangular border. The third section is titled "Left OS" and contains five buttons, each labeled "Add picture". At the bottom of the screen, there is a small blue icon of a document with an upward-pointing arrow.

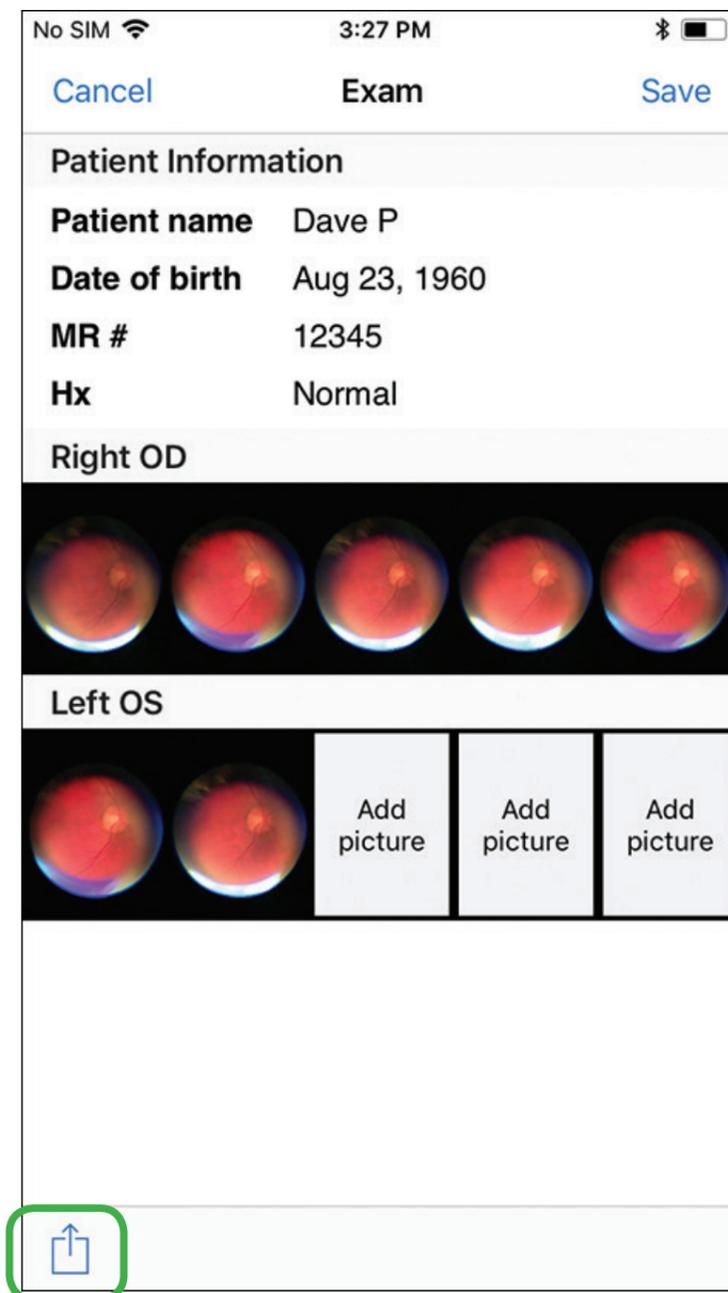
**Note** You can save up to five frames for each eye.

6. To capture retinal images of the Left OS, tap **Add picture**, then follow previous steps.



# Send or print a saved exam

1. From the Patient Information screen, tap  .

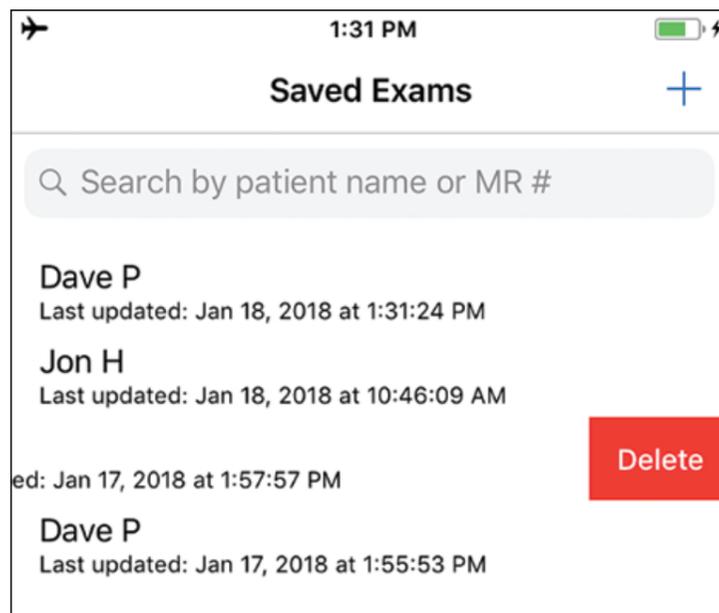


2. Tap **Mail** or **Print** to e-mail or print the exam. Follow the prompts.



**Note** To print, your iPhone must be configured to print to a specific printer. To save to iCloud, first configure your iCloud settings.

3. To delete a patient record, swipe left from the patient list and tap **Delete**.



## **For users of iOS 9 and earlier**

**Note** For new users who are not on iOS 10 or newer version, perform the following:

1. With the Welch Allyn PanOptic™ Ophthalmoscope and iExaminer® adapter attached as described, open the iPhone Camera App.
2. Switch to video recording mode and start recording. Press stop when you see a clear view of the retina.
3. In Camera Roll, start the video and pause it. This will let you scroll the video to select the best image captured, which can be saved with a screen shot.
  - Press and hold the Sleep/Wake button on the top or side of your device.
  - Immediately press and release the Home button.
4. To find your screen shot, go to the Photos App > Albums and tap Camera Roll.
5. This image can be saved, emailed, or added to more details in the Notes App.

As always, Welch Allyn recommends clinicians use proper caution whenever storing images on their phones or sharing with email.

# **Security, confidentiality, integrity, and availability**

Welch Allyn recommends enabling a passcode in iOS to further protect the iPhone. Users are responsible for the security of the phone password. The iExaminer application does not guarantee that the data transmitted is secure enough to satisfy HIPAA regulations. Protecting patient data is the user's sole responsibility. Users must verify patient identity before storing or sending patient records.

## **Warranty**

Welch Allyn, Inc. warrants the Welch Allyn iExaminer adapter to be free of original defects in material and workmanship and to perform in accordance with the manufacturer's specifications for a period of one year from the date of purchase. If this instrument is found to be defective or at variance with the manufacturer's specifications during the warranty period, Welch Allyn will repair or replace the instrument or component at no cost to the purchaser. This warranty only applies to Welch Allyn iExaminer adapter purchased new from Welch Allyn or its authorized distributors or representatives. The purchaser must return the adapter directly to Welch Allyn or an authorized distributor or representative and bear the cost of shipping.

This warranty does not cover breakage or failure due to tampering, misuse, neglect, accidents, modification, or shipping. This warranty is void if the instrument is not used in accordance with the

manufacturer's recommendations or if repaired or serviced by anyone other than Welch Allyn or a Welch Allyn authorized representative.

No other express or implied warranty is given.

## Welch Allyn Technical Support

[www.welchallyn.com/support](http://www.welchallyn.com/support)



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**R<sub>x</sub> ONLY**

80023987 Ver. A  
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Revision date: 2018-09  
**REF** 901090 iExaminer with Device



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Consult PanOptic  
Instructions for use