

# Stryker Studio3 iPad App

# stryker®

## User Manual



Studio<sup>3</sup>  
archive. edit. share.

# **Stryker Studio3 iPad App**

## **User Manual**

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**Stryker Studio3 iPad App User Manual**

**P22611A Rev B**

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## 1. Indications for Use

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The intended use of Studio3 is to provide for the storage of surgical videos, images and related documents and allow physicians the capability to search and retrieve these assets for viewing. The Studio3 product is indicated for use with the Stryker Endoscopy SDC™ (Stryker Digital Capture) product line. The users of the Studio3 product are surgeons who would like to access stored videos or images that were previously recorded. The intended life of Studio3 is three years in duration. There is no technical limitation that dictates the product life for Studio3 but rather it is dictated by the need to enhance functionality or implement technology improvements.

### 1.1 System Requirements

- The iPad device must have version iOS 5.0.1 or higher.
- Studio3 must be version 1.2 or higher.

## 2. General Warnings and Cautions

Please read this manual and follow its instructions carefully. The words WARNING and Note carry special meanings and should be carefully reviewed:



**WARNING** The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient.



**Note** Special information to make maintenance easier or important information more clear.

To avoid potential serious injury to the patient, the user must adhere to the following warnings.

### 2.1 Warnings

1. Read this manual thoroughly, and be familiar with its contents prior to using this software.
2. Be qualified medical personnel, having complete knowledge of the use of this software.

### 2.2 Notes

1. Video being streamed is not HD quality.

### 2.3 Product Symbol Definition

<b>DIGITAL IMAGE STORAGE DEVICE</b>	Indicates the device is intended as a digital storage device.
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### 3. Installing the Studio3 App

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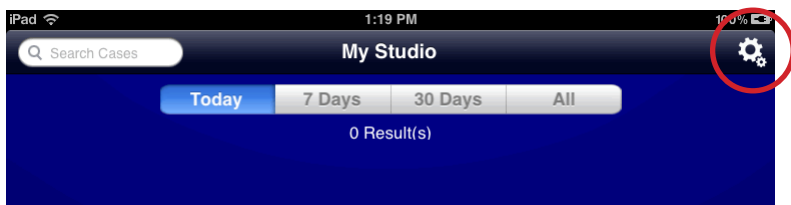
To install the Studio3 iPad App, download it from the iTunes store, and install as you would any other App.

## 4. Setting up the App

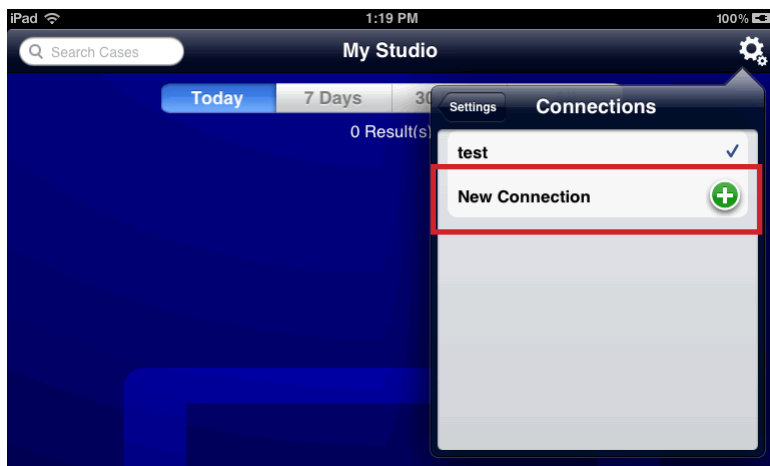
### 4.1 Connecting to a Server

To connect to a server, follow the steps below:

1. Press the Settings icon in the upper right corner of the screen.



2. From the **Settings** menu, press the **Connections** button.
3. Press the **New Connection** button.



4. Enter the following information in the Add Connection popup dialog box:





- **Display Name** - The name associated with the server.
  - **Server** - The IP address of the server.
  - **User Name** - The User Name of the user associated with the connection being created.
  - **Password** - A password for the server connection
  - **Remember Password** - To have the password for the connection automatically remembered, slide the button to the **On** position.
  - To save the settings, press the **Save** button. To cancel the new connection, press the **Connections** button or anywhere outside of the Connection window.
5. To return to the Settings menu, press the **Settings** button in the upper left corner of the dialog box. To close out of Settings, touch anywhere on the screen.
  6. To connect to a server, press and hold the **Studio3** button.



7. Select a server from the dialog box that appears.



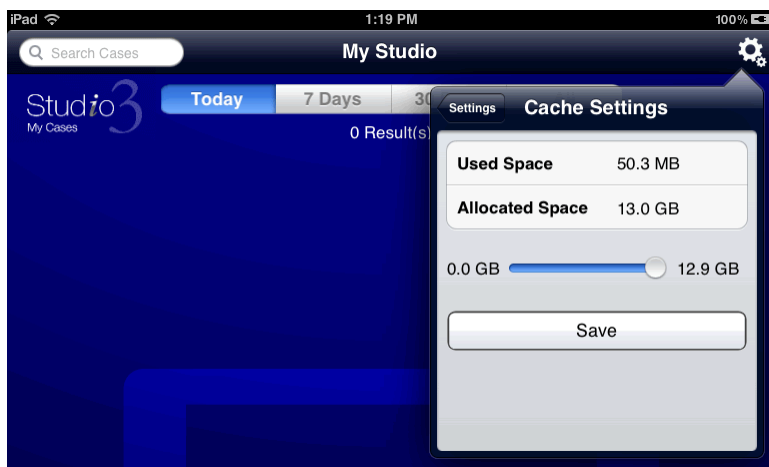
**Note** If a server has been previously selected, Studio3 will automatically connect to it each time the application is opened.

## 4.2 Cache Settings

Cases downloaded from Studio3 to an individual iPad will be stored in a cache. The amount of space set aside on the iPad can be adjusted using the Cache setting.

To change the cache settings, follow the steps below:

1. Press the Settings icon in the upper right corner of the screen.
2. Press the **Cache Settings** button.
3. The Cache Settings popup dialog box will display how much space is currently being used for cases stored on the iPad and the amount of space that is being allocated for case storage.

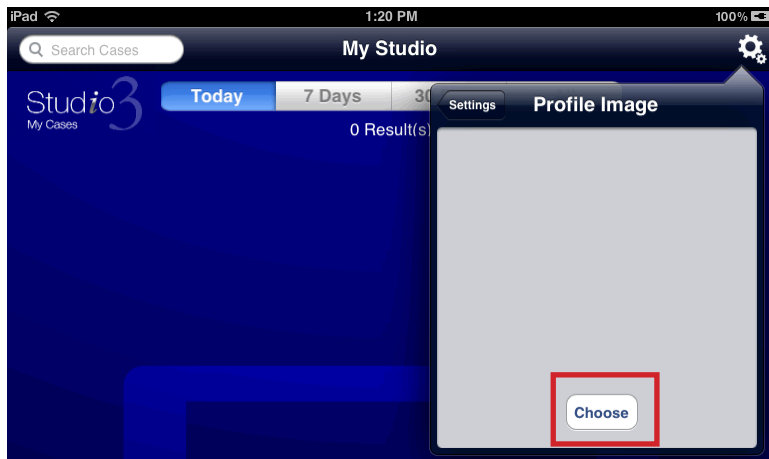


4. Use the slider to add or reduce the amount allocated space.
5. Press the **Save** button.
6. To return to the Settings menu, press the **Settings** button in the upper left corner of the dialog box. To close out of Settings, touch anywhere on the screen.

## 4.3 Profile Image

To add or change a profile image, follow the steps below:

1. Press the Settings icon in the upper right corner of the screen.
2. Press the **Profile Image** button.
3. Press the **Choose** button and navigate to the desired picture on the iPad. The image will then be set.



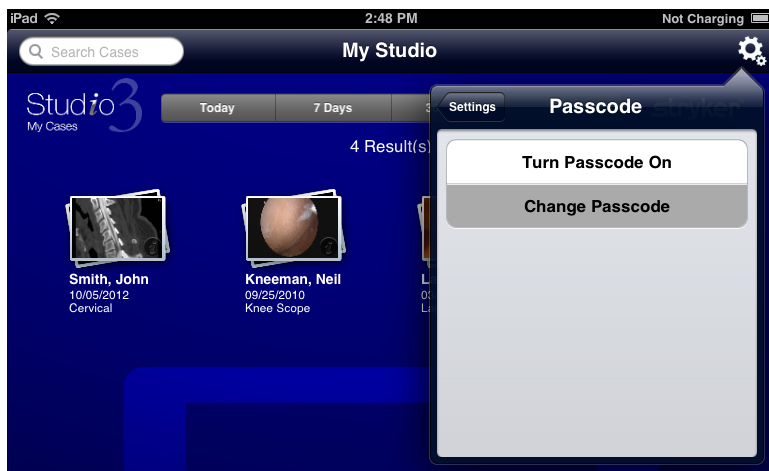
4. To return to the Settings menu, press the **Settings** button in the upper left corner of the dialog box. To close out of Settings, touch anywhere on the screen.

## 4.4 Setting a Passcode

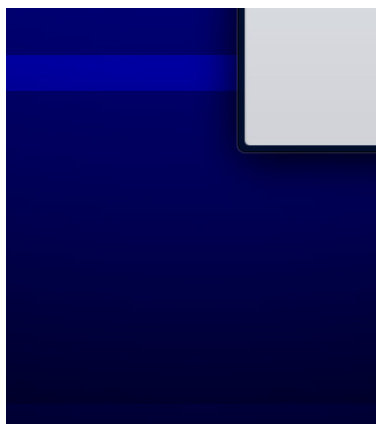
Studio3 provides the ability to set a passcode that is required upon launching the application.

To set or change a passcode, follow the steps below:

1. Press the Settings icon in the upper right corner of the screen.
2. Press the **Passcode** button.
3. Press the **Turn Passcode On** button. If a passcode is already set, and you wish to change it, press the **Change Passcode** button.



4. Enter a 4-digit passcode in the Enter Passcode dialog box.



5. Press the **Enter** or **Cancel** button when done.
6. To return to the Settings menu, press the **Settings** button in the upper left corner of the dialog box. To close out of Settings, touch anywhere on the screen.

## 4.5 Creating Notes

General notes can be created as templates placed in the body of an email when emailing a case from the application (see Section 5.6).



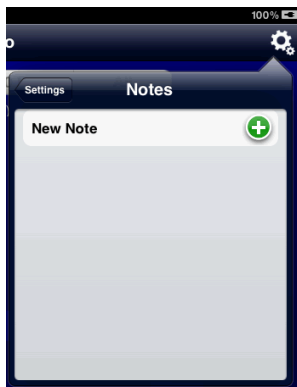
### Note

Notes are limited to 300 characters.

### 4.5.1 Creating a New Note

To create a note, follow the steps below:

1. Press the Settings icon in the upper right corner of the screen.
2. Press the **Notes** button.
3. Press the **New Note** button.



4. In the New Note dialog box that appears, enter a display name for the note.



5. Enter a description.
6. Press the **Save** button.

## **4.5.2 Editing an Existing Note**

To edit a note, follow the steps below:

1. Press the Settings icon in the upper right corner of the screen.
2. Press the **Notes** button.
3. Select the note to be modified.
4. Modify the current information and press **Save**.

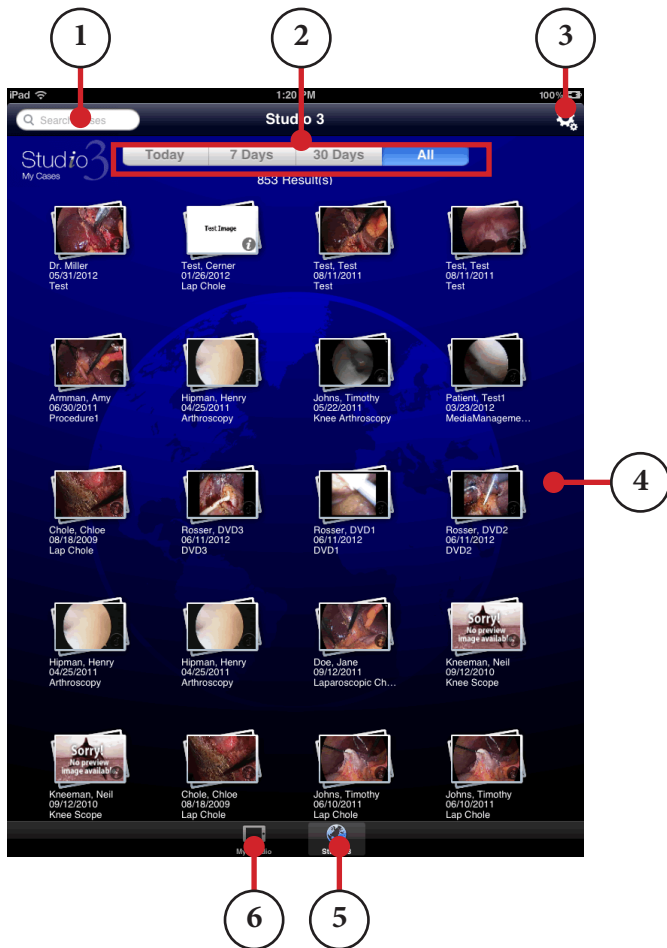
To delete a note, press the **Delete** button.

## 5. Navigating Studio3 and My Studio

### 5.1 Home Page Overview

The interface for both the My Studio and Studio3 desktops are the same with only a few minor differences. The Studio3 home page will appear similar to the following figure.

All of the features on the home page are described in greater detail in the sections that follow.



1	Search Term Box
2	Date Range Filter Buttons

3	Settings Button
4	Asset Finder
5	Studio 3 Button
6	My Studio Button

## 5.2 Sorting Studies by Date

Cases can be filtered by specifying a date range anywhere from the current date, past 7 days, or past 30 days using the Date Range Filter buttons. You can view all cases, regardless of date by selecting the **All** filter button.

The application will automatically open to show cases that are new as of the current date (i.e., today).

To sort the studies, press the desired date range or **All** button.

## 5.3 Searching for a Case

A basic search can be performed using one general search criteria, such as a patient's first or last name or procedure type.

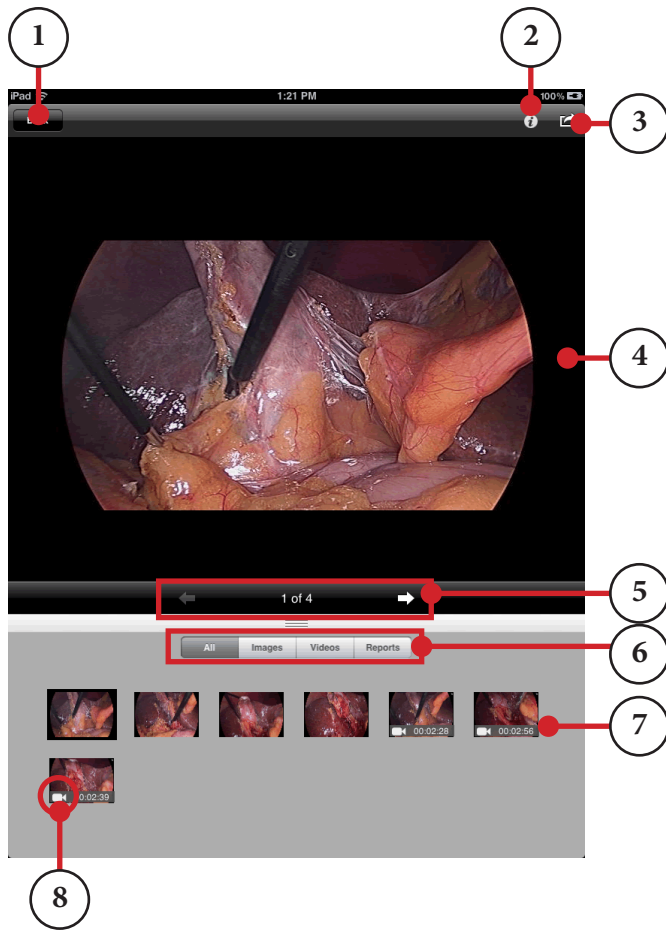
To perform a basic search, enter your criteria into the Search Term box and press the **Search** button. The cases appearing in the Asset Finder will be reduced to those matching any part of the search criteria. A date range filter may also be applied.

To clear the search criteria, click on the “**X**” button located within the search box, and then refresh the page.

## 5.4 Viewing a Case

To view a case, press the thumbnail image. This will open the case in the Viewer.





1	Back to Home Page Button
2	Case Information
3	Email/Download Case Button
4	Case Viewer Window
5	Image Navigation Buttons
6	Case Navigation Buttons
7	Case Thumbnails
8	Indicates Thumbnail is a Video

The Viewer automatically opens to show thumbnails for all images and videos.

### 5.4.1 Viewing Images

To view a specific image, press on the thumbnail. Images will appear in the Viewer.

To navigate between images, either press the respective thumbnail, or use the Image Navigation buttons located directly beneath the viewing window.

**Note**

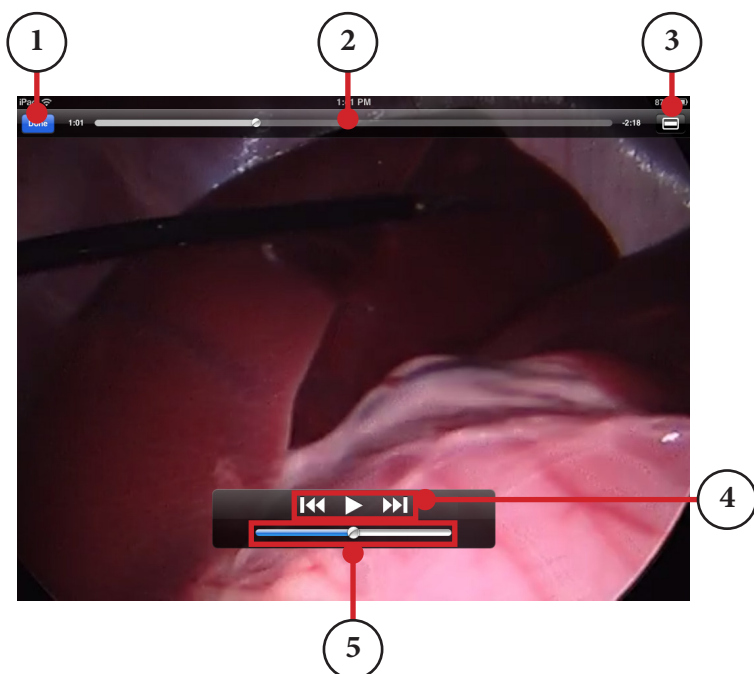
The Image Navigation buttons will only be available if there are two or more images.

To view the images only in the case, press the **Images** button.

### 5.4.2 Viewing Videos

To view a video, press on the thumbnail. Videos will expand to full-screen mode and automatically begin playing.

To access the playback options, touch anywhere on the screen during video playback.



1	Done Button
2	Video Scroll Bar
3	Full Screen Button
4	Previous/Next Chapter Buttons
5	Volume Scroll Bar

To exit viewing a video during playback, press the **Done** button.

Use the Video Scroll bar along the top of the screen to manually navigate to anywhere in the video.

Videos automatically begin playing in landscape mode. To reduce the size of the video, press the Full Screen button. To return to full screen, press the button again.

To pause the video, press the **Pause** button. To resume playing the video, press the **Play** button.

Press the Previous/Next Chapter buttons to skip to the beginning of a previous or next chapter.



#### Note

This feature only works if there is more than one chapter in the video. If there is only one chapter, the Previous Chapter button will take you to the beginning of the current video.

Use the volume scroll bar to control the volume of the video.

## 5.5 Downloading Cases from Studio3

Cases can be downloaded from the Studio3 server and stored to an individual iPad. This allows them to be accessed easier and when there is no connection to a server.



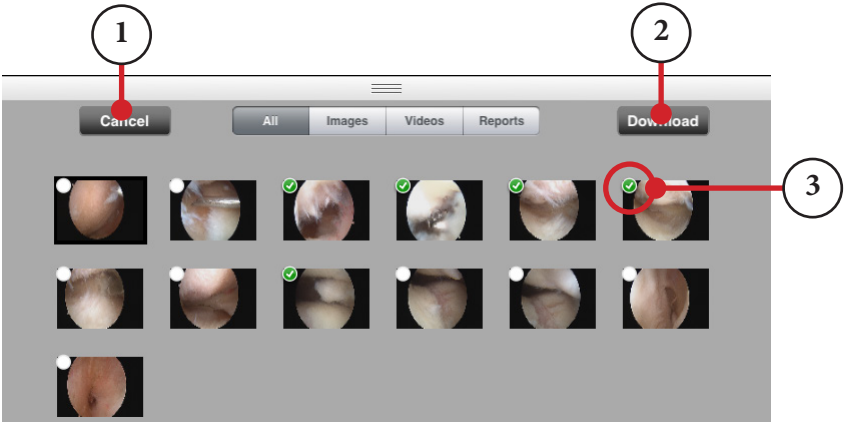
#### Note

This option is only available from Studio3 to My Studio.

To download a case, perform the following steps:

1. Open the respective case in the Viewer.
2. Press the **Email/Download Case** button.

3. Select either the **Download** or **Download All** option.
4. To download specific case items, skip to the next step. To download an entire case, press the **Download All** button.
5. Select the thumbnails to download. A selected item will be indicated by a green check mark in the upper left hand corner of the thumbnail.



1	Cancel Download Button
2	Download Button
3	Selected Item Confirmation

6. Once all of the desired items have been selected, press the **Download** button. The case will be sent to the My Studio desktop.



**Note**

Cases downloaded from the Studio3 server will still be sorted by the date of the case in My Studio, rather than the date of the download.

### 5.5.1 Checking Download Status

When a case is being downloaded, the status can be checked by doing the following:

1. Press the Settings icon in the upper right corner of the screen.

2. Press the **Downloads** button. The status of any current downloads will appear in the dialog box.



**Note**

If there is nothing currently being downloaded, this dialog box will display “No Active Downloads.”



To cancel the download, press the red “X” button.

Once a case has been downloaded, it will appear in My Studio.

## 5.6 Emailing Case Images

Images from a can be emailed from both Studio3 and My Studio and will use the email account associated with the iPad.

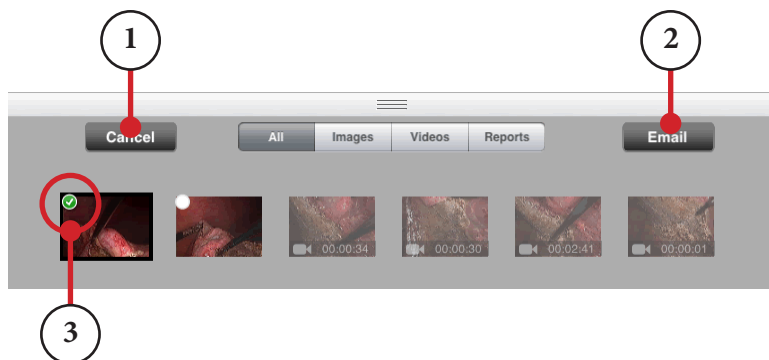


**Note**

Videos and reports cannot be emailed.

To email a case, perform the following steps:

1. Open the respective case in the Viewer.
2. Press the **Email/Download Case** button.
3. Press the **Email** button.
4. Select the thumbnails to email. A selected item will be indicated by a green check mark in the upper left hand corner of the thumbnail.



5. Once all of the desired items have been selected, press the **Email** button.
6. A dialog box will open. To include patient information, ensure the slider is set to the ON position. To anonymize the case, set the slider to the OFF position.
7. If desired, select a pre-created note (see Section 4.5).
8. Press the **Email** button. A new message will be created using the email account associated with the iPad.

Cancel
New Message
Send

To:

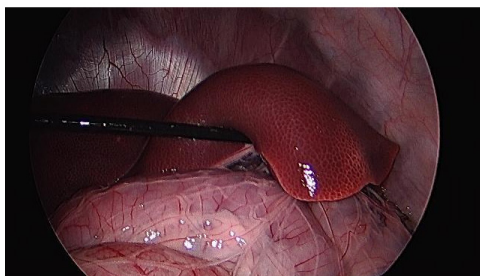
Cc/Bcc:

Subject:

Procedure: Pig Lab  
Procedure Date: 06/11/2012 00:00:00  
Specialty :  
Hospital: Stryker Memorial Hospital

Patient Details:  
Patient Name: PigLab, Test  
Patient DOB: 05/11/2011

Patients case images and associated information.



Sent from my iPad

9. Enter the email information to the recipients and a subject. If a note was selected in Step 7, it will appear in the body of the email, along with the selected images.
10. Once all information has been entered, press the **Send** button.

## 6. Troubleshooting

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Error	Solution
End-Users are unable to share a case with external users via email address.	The SMTP server settings may be configured incorrectly, or they may not be an SMTP server configured in the Administration settings. Check the SMTP settings and configure correctly.
The email option is not working.	Make sure there is an account set up in the mail application, as the email operation uses the default email account.
Receiving error message “Media not connected” or “Error saving data.”	Disconnect and reconnect the device. Retry the operation after approximately 5 seconds.
Videos are not transferring to the iPad. Videos are missing from a saved case.	Make sure the video format is set to MPEG4 (AVC) on the SDC3.
Receiving error message for insufficient memory.	Check and adjust the Cache settings to allocate more space. Otherwise, removed old files to free up space.



## 7. Maintenance

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Make sure that the device has version iOS 5.0.1 or greater, and the SDC3 is version 1.2 or greater.

The user should use the Cache Settings page to check how much space is allotted to the App and how much is being used.

## 8. Stryker Limited Warranty

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Stryker warrants that the Software will operate in substantial conformance with its then-current Documentation for a period of ninety (90) days after the Software is installed by Stryker. Stryker agrees to correct or replace, at no charge, any nonconformity of which it receives notice during the warranty period.

## 9. Contact Information

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Contact Stryker Customer Service with questions or concerns.

Stryker Communications  
1410 Lakeside Parkway #100  
Flower, Mound, TX 75028  
Toll Free: (866) 841-5663  
1-972-410-7100

For international service locations, refer to the Stryker website at the following URL:  
**[www.stryker.com](http://www.stryker.com)**.



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**Communications**

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**EMS Equipment**



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