


# ImageVue CR20 Digital Imaging System


## Quick Reference Guide

### Starting and stopping the system

#### To start the system:

1. To turn on the scanner, press the **Standby** switch  on the scanner operation panel. The Ready lamp illuminates.
2. Turn on the computer; the software starts automatically.

#### To shut down the system:

1. Tap  in the upper right corner of the software window, and then select **Shut Down**.
2. Tap **OK** to confirm. Both the computer and the scanner shut down.

### Requesting an image capture



#### From the Cornerstone\* software:

1. Set up invoice items to initiate the Image Request special action.

OR

From the Patient Clipboard\*, open the patient record, right-click the patient's name in the **Patient List**, and then select **Imaging > Image Request**.



Requests are listed by patient in the ImageVue\* CR20 RIS window.

2. Select the patient in the ImageVue CR20 RIS window, and then tap .
3. In the Study window, tap  to display the Shot Selection window. See "Capturing the images."


#### From a non-Cornerstone practice management system:

1. Use the modality worklist feature to send the image request to the ImageVue CR20 software.
2. Follow steps 2–3 in the previous section.




#### From a standalone ImageVue CR20 system:

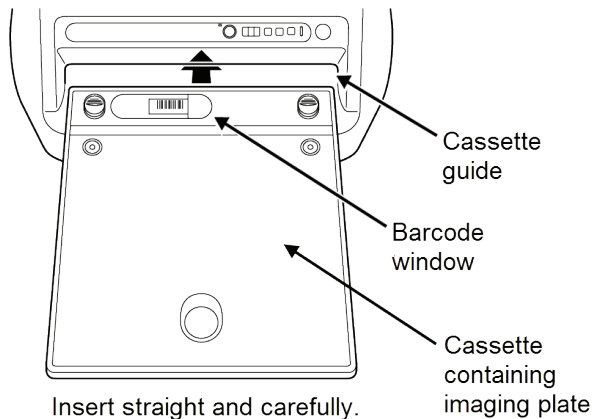
1. In the RIS window, tap  to display the Patient Information window.
2. Enter a new patient record, and then tap . See "Capturing the images."

## Capturing the images

1. Make sure the image request has been started (see the previous section).
2. In the Shot Selection window, select an anatomical region at the top, select one or more shots below, and then tap **OK** or .

### Tips:

- To replace a shot, tap it in the shot list, and then select the new shot.
  - To delete a shot, tap it in the shot list and then tap .
  - To save the study for later, tap .
3. In the Study window, highlight the first shot you want to take.
  4. Position the cassette dark side up (barcode window down), and with the green mark  on the left.
  5. Position the patient facing left, and then capture the image.
  6. When the scanner Cassette Ready lamp is lit (green), turn the cassette over so the dark side is **down** (barcode window is **up**), and then insert it into the scanner in alignment with the guide on the right. Be sure to remove any exposure markers before inserting cassette.



7. When the image appears onscreen, add annotations or markers as needed, using the editing tools below the image.
8. When the Cassette Removal lamp is blinking (blue), remove the cassette from the scanner.
9. Capture remaining radiographs.

**IMPORTANT:** Do not capture a radiograph while the scanner is reading an image.

**Tip:** Use these buttons to add or change shots in the capture list if needed:



Add more shots.



Replace currently selected shot with a different shot.



Add another instance of the currently selected shot.



When On, you can take as many instances of the currently selected shot as needed.

Tap again to turn Off, so you can take the next shot in the list.




Delete selected shot.




10. Tap  to complete and save the study. The images are sent to the IDEXX-PACS\* Imaging Software.

## Viewing and editing images in a completed study

(Recommended) View or edit images in the IDEXX-PACS or IDEXX Web PACS software:

- In the IDEXX-PACS software, search for the patient from the IDEXX-PACS Home window.
- If you use the Cornerstone software, open the image from the Cornerstone Patient Clipboard.
- If you subscribe to IDEXX Web PACS software, tap the  icon in the lower right corner of the ImageVue CR20 Study window. When VetConnect\* PLUS opens, log on, and then select **Imaging**. Your images may not be immediately visible; you can view them as soon as they are uploaded to the cloud.

(Alternative) View or edit images in the ImageVue CR20 software:


1. From the RIS window, tap one of the study list buttons at the top, such as **Completed Studies**.
2. In the Study List window, select the study you want, and then tap .
3. In the Study window, tap the thumbnail of the image you want to view.
4. Use the shortcut tools below the image to zoom or pan the image; use the QA tools on the right to rotate, add markers, or crop an image (if the tools are not visible, tap ).
5. When done, tap  to exit QA mode.

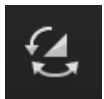
## QA tools in ImageVue CR20 software



### Order information

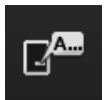
Displays the shot name and other options.

To reprocess an image that was captured using the wrong shot: Tap the 3 dots  next to the shot name, and then select the correct shot. The image is reprocessed using the new processing parameters.



### Image rotation/reversal

Tap to display image rotation and reversal tools.



### Marker

Tap to display marker and free-text tools. Tap the numbered buttons at the top of the Marker palette to see additional options.

To apply a marker or text, tap the option, and then tap the image.

To remove a marker or annotation, tap the marker or text box, and then tap .



### Shadow-masking processing

Tap to display masking tools you can use to exclude white areas from the image.

Tap a tool and then tap the image. To adjust size/shape, drag the handles on each tool angle.



### Exposure list

Tap to display a list of all images in the study.




### Distribution setting

Tap to display a dialog box with options for printing or viewing image destinations.





### Trimming

To crop the image, tap  in the Study window, and then tap the Trimming tool. Select the size and then tap the image.

## Cleaning the scanner, cassette, and imaging plate (IP)

### Scanner

Perform these steps monthly:

- Vacuum the air vents on each side of the scanner regularly to remove dust and pet hair.
- Run the cleaning cycle: Remove the cassette, and then press the **Standby** switch  and the **Eraser** button  simultaneously. Cleaning takes about 5 seconds.

### Cassette

Wipe the exterior of the cassette as needed with a clean, dry cloth. Do not use a solvent.

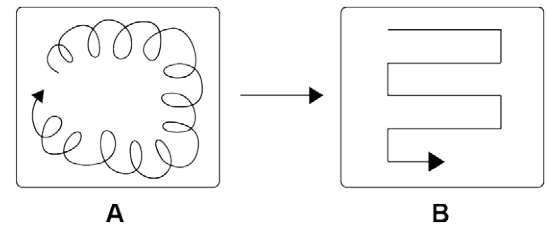
### Imaging plate (IP)

#### Erase each IP before you use it the first time each day:

1. Before inserting a cassette, press the **Eraser** button  on the scanner. The green status light turns orange, indicating erasure mode.
2. Insert the cassette; erasure begins automatically.
3. Remove the cassette when the Cassette Removal lamp blinks.



#### If images are streaked, clean the IP:

1. Press down the latches at the top of the cassette, tilt open the top, and then remove the IP.
2. Using the towelettes provided with your system, wipe the IP surface lightly, in the order shown (A, then B).
3. Return the IP to the cassette, with barcode visible in the window.




## Troubleshooting

### Buzzer sounds and LED displays an error code

- To cancel the error and stop the buzzer, press the **Standby** switch ; press the **Standby** switch  again to release the cassette.
- Level 500 error codes: No shot selected. Select the appropriate shot in the study window and reinsert the cassette.
- Level 300 error codes: Usually mean the cassette was not inserted correctly. Cancel the error, remove the cassette, and then reinsert it. If the cassette cannot be unlocked, push the cassette toward the far right.
- Refer to the *ImageVue CR20 Operator's Guide* PDF for a complete list of error codes and actions to take.

### Excessive X-Ray lamp is illuminated and error code 480 is displayed

The IP has received an excessive radiation dose and is overexposed. Press the **Standby** switch  to cancel the error, and then press the **Eraser** button  to erase the cassette. Erasure may take some time.

### Streaks on the image

Clean the scanner and the IP as described above.

**Tip:** A white streak of about 5 mm (0.2 in.) may occur at the edge of the image, but this is not a defect.

### For more information

Call IDEXX Diagnostic Imaging Customer Support at 1-877-433-9948.



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