Veterinary Assistant/Technician Training- Level 1

RADIOLOGY

Supplies: Lead apron, lead thyroid shield, lead gloves, anesthesia machine (if needed)

Entering Patient Information: touch screen monitor

Touch the green circle at the bottom of the screen if not in the TO DO screen.

Touch the green plus at the bottom left of the screen to bring up the screen to enter the patient information: Patient name, Client last name, Patient ID, Weight in Kg, Species, Technician initials, Veterinarian must be entered.

Hit start

A cartoon dog will appear on the screen. Touch the area of the body to be imaged (Front limb, thorax, abdomen, etc.)

Once that is touched it will zoom in and allow you to break down the body area more (femur, shoulder, etc.)

Procedure:

Put on lead apron and thyroid shield

Place lead gloves on table

Make sure the pedal to take the radiographs is reachable with a foot

Position patient on the radiology table with head to the right unless taking left limb radiographs.

Collimate to only include the area of interest in the field of view using the light

Put lead gloves on and confirm patient position

The machine will supply the appropriate amount of radiation based on the patient's weight. There is no need to adjust machine settings such as KVP and MAS.

It will bring up the views for the selected study (right lateral, left lateral, V/D, etc.). Pay attention to what order the system has the radiographs listed in.

Once patient is positioned depress pedal to take exposure.

If the marker does not show up in the radiograph or it was forgotten, you are able to label the radiographs after from the computer. Go to the screen to edit. You can drag the corner of the radiograph to crop out unnecessary anatomy. Just touch the corner and drag your finger over the screen to crop out the area you don't need. Then touch the R/L button at the bottom of the screen and chose the appropriate side. You can touch on the R or L that appears on the screen and drag it to the location you chose on the radiograph in order to label it properly. You can also rotate the image to get it to the correct position for the doctor to view it. The tools are in the tool bar at the bottom of the screen.

Once radiograph is cropped and labeled you can hit save. The system will move to the next view to take and it will tell you its ready. Reposition patient and take exposure for next view. Crop and label the radiograph. Hit save. This will continue until all views have been taken.

Once everything is completed you touch END STUDY

The radiographs are then sent to the server.

Anesthesia in radiology:

Plug oxygen and scavenger into the ports in the room

Set up the room with the machine on the left (towards the monitor) if a right-sided study is being performed. Position the machine on the right side of the room (near the door) if a left-sided study is being performed.