

# **STANDARD OPERATING PROCEDURES**

7. Adjust monitor controls for brightness and contrast.
8. Turn key switch to fluoro.
9. Prepare TV monitor and VCR for recording (see other sheet).

#### **IV. EQUIPMENT USE - FLUOROSCOPY**

1. After switching to fluoro mode, press enter to select auto continuous mode.
2. Select large field.

NOTE: You can record on VCR only when toggle switch is in bypass. TV monitor will display images as seen on left monitor. Images cannot be saved with the switch in bypass. To hold/save images, flip switch to normal, but then you are not recording.

## **VI. ROADMAPPING**

1. On monitor cart, press roadmap, peak opacity, averaging 4, and auto switches (#1-4).
2. On power panel of monitor car, toggle switch to normal.
3. Use the fluor only side of footswitch (left pedal) to obtain proper positioning of animal.
4. Depress process footswitch (right pedal), inject contrast after the beep.
5. When desired image mask appears, release footswitch, and press L R switch to save last image.
6. To begin roadmap subtraction, depress process footswitch (right pedal) again.
7. Process footswitch may be pressed repeatedly for subtractions from same mask.
8. Press left footswitch or exit mode to cancel mask.

## **VII. POST PROCESSING RECORDED IMAGES (For Roadmapping)**

NOTE: During processing, the monitor cart can be operated without the main frame powered up; only video and service breakers need to be turned on.

1. Set up monitor cart for roadmap mode.
2. Rewind VCR tape to beginning of roadmap run and press play.
3. Immediately press process on to begin image processing.
4. Press process off to obtain mask and immediately pause VCR.
5. Press record on VCR and process on again to begin roadmapping subtraction.

NOTE: The TV monitor is displaying the exact image as seen on left monitor of cart. In bypass mode, you can display realtime only. To save or freeze any images, must switch to normal mode. If the left monitor is not displaying any realtime activity, TV monitor will just roll until realtime fluoroscopy is engaged.

## **VIII. MAINTENANCE**

1. Clean unit by wiping with a mild disinfectant and soft cloth.

2. Unit is visually inspected by the University's Radiation Safety Office yearly and monitored for radiation every two months using a radiation monitoring badge,
3. Unit is functionally tested by the State of Florida every 5 years.
4. Unit is calibrated every 5 years.
5. Any malfunction should be reported to the Surgical Core Manager.
6. Any additional maintenance/service should be performed by authorized personnel and unit re-certified in writing.

#### **IX. REFERENCES**

1. Refer to the manufacturers manual for additional information for contact G.E. Walker (813) 623-2481.