Fluoroscopy Protocol

**Voiding Cystourethrogram-VCUG-Female**

**Fluoro Time Target Limit- 2.5**

**Scheduling and Prep:**
* There is no prep for this exam
* Patient must fill out a contrast questionnaire
* Patient should empty bladder before exam

**Supplies:**
* Cystografin or Cysto-Conray II or equivalent
* Absorbent sheet/pad
* Foley catheter kit *Foley Catheter-Appropriate size for the patient
* 5cc syringe to inflate Foley balloon *Bed pan *Sterile gloves
* Extension tubing *Anatomical marker
* 13mm Tablet- if your machine does not have built-in measuring capabilities

**Room Prep:**
* Place absorbent sheet on table top
* Position anatomical marker to ensure it will be visible on each image
* Prepare sterile catheterization kit
* Hang contrast from IV pole and spike with extension tubing
* Flush air from the tubing.

**Procedure:**
* Take a scout KUB. Use anatomical marker and Scout marker.
* Catheterize the patient using sterile technique.
* Allow contrast to flow into the bladder until the patient feels **very full**
  (This will vary from patient to patient)
* Once the bladder is full, clamp the tubing to stop the flow of contrast.

**Spot Images:**
1. AP of full bladder- *document amount of contrast used on this image, in lower left or right corner.*
2. Right oblique bladder
3. Left oblique bladder
4. Left lateral bladder (Flip this image after exam)

*Place a bed pan under patient, remove the catheter, and ask the patient to urinate with a forceful stream

**While the patient is voiding, look for any urinary reflux

5. Right kidney spot image
6. Left kidney spot image

*Document any urinary reflux seen and label it as “Reflux “and with an up arrow.

7. Take 1 to 2 images or hold images of the patient voiding to demonstrate the contrast filled urethra. Do not use rapid imaging.

8. Post void spot- after patient feels empty. You may need to allow patient to finish emptying their bladder in restroom.

**Be sure to flip the lateral correctly and that all images are labelled. Scout, Right, Left, Reflux, Post Void image, and amount of contrast used (on full bladder image)

** These are the minimum images needed to demonstrate the proper Anatomy for this exam. When deemed necessary, more images May be taken to demonstrate pathology or for other reasons.

**Care should be taken to minimize patient and technologist exposure
VESICOURETERAL REFLUX

RT

Reviewed: February 24, 2023