

CT CYSTOGRAM PROTOCOL

SUPPLIES:

500 cc IV bag normal saline
Cystogram connector tubing (high flow)
50 cc syringe
18 G needle
25 cc of IV contrast (either Hypaque 60 **or** Omnipaque 300 only)

- 1) Remove and discard 25 cc of normal saline from 500 cc bag.
- 2) Place 25 cc of 60% contrast or equivalent into 500 cc bag.
Example: Use 25 cc Omnipaque 300 **or** 25 cc Hypaque 60
(Use only one of these two exact compounds. This makes an overall solution of **5% dilution**)
- 3) Shake bag to mix.
- 4) Insert cystogram connector tubing into IV bag port. Be sure that tubing is occluded first with flow control device to control leakage.
- 5) Fill connecting tubing with contrast mixture to expel air.
- 6) Insert cystogram connector tubing tip into Foley catheter securely. (Be sure that Foley has been to gravity drainage prior so the bladder is empty before beginning the exam, then disconnect the Foley bag from the catheter and insert the contrast bag connector into the same large lumen that the Foley bag was connected to. The second smaller Foley catheter lumen is for the balloon – do not connect here.)
- 7) Open flow control device on connector tubing to begin instillation.
- 8) Instill dilute contrast mixture by gravity into bladder. Continue instilling contrast until either 350 cc instilled or flow stops. (Do not ever inject with pressure or squeeze bag as bladder injury could occur or worsen.) Estimate the amount of fluid instilled and place the amount on the Radiology requisition for documentation in the official report.
- 9) Image 8/8 axial helical images through the pelvis from the iliac crest to the pubic symphysis.
- 10) Look at images and decide if additional images are needed.
- 11) If additional images not needed, disconnect contrast tubing and hook back up to Foley bag and drain bladder to gravity prior to any other images.
- 12) CT cystography should be performed after routine abdominal and pelvic CT and renal images so dense extravasated contrast does not obscure other significant pathology.

If questions please call:

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