

CT Cystogram WO Contrast (Pelvis WO Contrast)

Position/Landmark	Above Iliac Crest through Lesser Trochanters
Scout	
Scan coverage	Above Iliac Crest through Lesser Trochanters
Respiratory Phase	Inspiratory
Scan Type	Helical
IV access	None
Supplies needed	- 500cc bag Sterile Saline - Infusion Set - Omni 300 15ml - 18g x 1 ½" Safety Needle - 20mL syringe
Reason for exam	Evaluate the bladder for suspected injury, rupture, leak, or bladder cancer
Notes	This a considered a sterile procedure, maintain sterile protocol when drawing and injecting contrast into the saline bag.

Scan Settings – CT Cystogram WO

	Siemens SOMATOM Force	Philips iCT/Ingenuity	Canon Aquilion ONE Vision (pelvis wo protocol)
kV Setting:	CAREkV Ref kV= 120	120	120
mA/mAs/TCM Setting:	CAREdose4D QRM = 147, Dose Slider Settings at 3	DoseRight DRI = 16, Liver DRI Boost +3	SureExposure3D (SD=11.5)

Iterative Reconstruction Setting:	Admire Strength 3	iDose 3	AIDR 3D Standard
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Scan Prep - CT Cystogram WO Contrast	
1.	Make sure patient has a Foley Catheter.
2.	Grab supplies and an IV pole to hang the 500mL saline bag on.
3.	Open 500mL bag of saline and hook it to an IV pole.
4.	Clean yellow tip of bag with an alcohol swab. Draw up 20mL of Omni 300 and inject contrast into the cleaned yellow tip of saline.
	
5.	Make sure all air is out of extension tubing.
6.	Make sure the bladder is empty by placing the Foley bag on ground. Once you have allowed a minute for the bladder to empty, clamp tubing to the Foley bag. Once the tube is clamped, place the Foley bag back on the CT table.
7.	Clean connecting tube with an alcohol swab and connect contrast tubing.

	
	8. Start contrast slow and check if patient is feeling any pain. Patient may feel some pressure or feel like they have to pee. - Miniumum of 300mL of the contrast/saline needs to be adminstered to be able to see if there is a Bladder Perforation. However, pt who have had bladder surgery may have less capacity and may only tolerate less than 300mL - Stop contrast/saline if patient is in moderate to severe pain. Some mild discomfort is expected

Scan and Recon Instructions - CT Cystogram WO Contrast (Pelvis WO Contrast)	
1.	Once almost 300ml on contrast is in the bladder, take your scouts to verifiy enough contrast is in. - Scout Iliac Crest to Lesser Trochanter.
2.	If the patient can tolerate more contrast, adminster more.
3.	Scan Iliac Crest to Lesser Trochanter (red box) - Axial 5mm x 2.5mm -soft tissue - Axial 3mm x 3mm -bone - Sagittal 5mm x 2.5mm -soft tissue - Coronal 5mm x 2.5mm -soft tissue - Thins 1mm x 1mm – soft tissue
4.	Once scan is done unclamp the foley tube and let contrast/saline drain from bladder.