

UT Southwestern Department of Radiology

Protocol Name: CT Urography

Orderable Name: CT UROGRAM ABDOMEN AND PELVIS W AND WO IV CONTRAST

Adult Only

Epic Button: CTU W&WO

CTDIvol < 60 mGy

DLP < 12500 mGycm

Indications: Hematuria, bladder mass, transitional cell carcinoma or urothelial carcinoma of the bladder, ureter, or kidney (NOT RCC)

Acquisitions: 3-4

Active Protocol

Oral Contrast: Water H2O Variant: Oral Effervescent Granules on Table? <input type="checkbox"/> Regimen: 12 oz given 30 min prior to exam. 12 oz given on the table	IV Contrast: Link to Contrast Information Rate (ml/sec): P3T Volume (ml): P3T IV Access: Power injection: 20g or larger strongly preferred (if 22g use reduce rate to 2.5 mL/sec) Notes: Max saline bolus to syringe capacity	Other Contrast: None	Airway Full inspiration Other Notes Consult body habitus kVp selection chart. If the patient has a Foley catheter or PCN tube, clamp before beginning the study (unclamp after completed). If the patient is on dialysis, call radiologist prior to exam.
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Last Change: 1/7/2025

Last Review: 1/7/2025

Links: [kVp Body Chart](#) [General Statements](#)

Special Instructions		Roll pt 360 degrees before next series (rescort).	Send volume to TeraRecon.	*Repeat scan in prone position only if the ureters were not adequately opacified; confirm need with radiologist first. Send volume to TeraRecon.
Acq # / Series Name	1 Noncontrast	2 Nephrogram	3 10 Min Delayed	4* 15 Min Delayed
Phase Timing		100 Sec Delayed	10 Min Delayed	15 Min Delayed
Acquisition Protocol	Abdominal CTU	Abdominal CTU	Abdominal CTU	Abdominal CTU
Coverage	Top of kidneys thru symphysis	Diaphragm thru symph	Top of kidneys thru symphysis	Top of kidneys thru symphysis
FOV	Whole body	Whole body	Whole body	Whole body
Algorithm	Soft Tissue	Soft Tissue	Soft Tissue	Soft Tissue
Axial Recons	3 mm (2.5mm GE)	3 mm (2.5mm GE)	3 mm (2.5mm GE)	3 mm (2.5mm GE)
Other Planar Recons	2 mm coronal and sagittal	2 mm coronal and sagittal	2 mm coronal and sagittal	2 mm coronal and sagittal
MIP Recons				
†DECT Philips		mono E 50, SBI	mono E 50, SBI	mono E 50, SBI
†DECT Siemens		mono E 50	mono E 50	mono E 50
†PC-CT Siemens	mono E 70	mono E 70	mono E 70	mono E 70

† When dual energy (DE) or photon counting (PC) CT is used