CT RENAL/UROGRAM

GE Revolution

Approval: A. Quiroz, MD rev:2 3/2026

INDICATION	Kidney stone, hematuria, renal mass
POSITION / LANDMARK	Supine / Xiphoid
START/END LOCATIONS	Above diaphragm through pubis symphysis include all tissue margins ***see scan coverage area
CONTRAST PARAMETERS	100cc Isovue 300, 2cc per second
RESPIRATORY PHASE	Inspiration
SCAN DELAY	90 sec with series and 10 min delay series
SCAN TYPE	Helical

Series	KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
wo	120	Smart mA 100-550	0.5	0.984:1	39.37	17		
with	120	100-440	0.7	0.984:1	39.37	17		

TECHNIQUE	Using automated exposure control and adjustment of the mA and/or kV according to patient size, radiation dose to be kept as low as reasonably achievable to obtain optimal diagnostic quality images.

Scans

Series #	Series	Body Part	DFOV	Thick/Space	Algorithm	Notes
1	Loc					AP/Lat
2	Source data w/o	Abd/pel	40	5x5	STND	WITHOUT. Above diaphragm through pubis
3	Source date w/	Abd	40	5x5	STND	WITH 90 sec delay Above diaphragm to crest
4	Loc					AP/Lat
5	Source date w/	Abd/pel	40	5x5	STND	DELAY 10 min delay Above diaphragm through pubis

Recons

*Please note, recons are displayed as thickness X spacing

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Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes
5	COR	Abd/pel	4x4	STND	400/40	delay
5	SAG	Abd/pel	4x4	STND	400/40	delay
5	AX	Abd/pel	1.25x0.625	STND	400/40	Delay do not send to PACS use for 3D

2D / 3D Processing

Source is Scan 5 AX 1.25x0.625 – delay

MIP 3D 360 rotation from anterior view with 40 images, full FOV

Series required in PACS

Loc 1, Dose Report, Source data, ALL recons except AX 1.25x0.625 delay, 3D processed MIP

ADDITIONAL INSTRUCTIONS:

Patient needs to stand up after contrast injection during 10 min delay. You will need to take 2nd scout for 10 min delay images

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