



CT RENAL MASS wo and with GE Revolution

Approval: E. Alvarez, MD

12/2025

INDICATION		Renal lesions, cysts, or masses						
POSITION / LANDMARK		Supine / Xiphoid						
START/END LOCATIONS		Abdomen limited from lung bases thru iliac crest, Craniocaudal						
CONTRAST PARAMETERS		100cc Isovue 300, 3cc per second						
RESPIRATORY PHASE		Inspiration						
SCAN DELAY		Phase 2 - 55 sec, phase 3 - 110 sec, phase 4 – 7 min						
SCAN TYPE		Helical						
Series	KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
wo	120	100-440	0.8	0.984:1	39.37	23.09		
with	120	100-440	0.8	0.984:1	39.37	23.09		
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	without	Abd/pel	36	2x2	STND	Phae 1 - Without		
3	55 Sec	Abd/pel	36	2x2	STND	Phase 2 – Corticomedullary		
4	110 Sec	Abd/pel	36	2x2	STND	Phase 3 – Nephrographic		
5	7 min	Abd/pel	36	2x2	STND	Phase 4 - Excretory		
Recons								
Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes		
4	AX	Abd/pel	5x5	Lung		Coned to lungs		
4	AX	Abd/pel	0.6x0.6	STND				
4	COR	Abd/pel	3x3	STND				
4	SAG	Abd/pel	3x3	STND				

*Please note, recons are displayed as thickness X spacing



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2D / 3D Processing						
Series required in PACS						
Loc, all phases and recons, dose report						

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing