

IVP Siemens GO UP Split delay

Indications	For hematuria, frequent UTI's, bladder ca, renal ca					
Diagnostic Task	Detect masses, location of stones					
Scan Mode	Helical					
Position/Landmark	2cm superior to xiphoid/Inspiration					
Topogram	AP 15mA 110kV					
kVp/Reference mass	130kv 99mas					
Rotation time/pitch	0.8/0.8					
Detector Configuration	32x0.7					
Table Speed/Increment	17.92					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
	2-3 glass of water prior to scan					
	200ml NaCL prior to non contrast scan					
Helical Set #1	body	thickness			recon	
Non contrast	recon	part	spacing	kernel	window	
					destination	
	1	abd/pel axial	2mmx2mm	Br40	abdomen	pac
	2	abd/pel Cor	2mmx2mm	Br40	abdomen	pac
	3	abd/pel Sag	2mmx2mm	Br40	abdomen	pac
	50ml or 75ml*ISOVUE 370 @ 2ml/sec WAIT 7min					
	50ml or 75ml* ISOVUE 370 @2cc/sec-then scan CT A/P with 120second delay					
	*weight based 100ml if <250lbs 150ml if > 250lbs isovue 370					
Helical Set 2	body	thickness			recon	
120sec delay	recon	part	spacing	kernel	window	
					destination	
	1	abd/pel axial	2mmx2mm	Br40	abdomen	pac
	2	abd/pel Cor	2mmx2mm	Br40	abdomen	pac
2ml/sec	3	abd/pel Sag	2mmx2mm	Br40	abdomen	pac
	4	abd/pel thin	0.8mmx0.8mm	Br40	abdomen	pac/TR
	5	MIP abd/pel	5mmx2mm	Br40	abdomen	pac
Helical Set 3	body	thickness			recon	
5 min	recon	part	spacing	kernel	window	
					destination	
	1	abd/pel thin	0.8mmx0.8mm	Br40	abdomen	pac
IV contrast volume/rate	100ml if <250lbs 150ml if > 250lbs isovue 370/ 400ml saline					
	Performed as directed by a supervising radiologist					
	Approximate Values for CTDIvol					
	Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)		
	SMALL	50-70	110-155	10-17		
	AVERAGE	70-90	155-200	15-25		
	LARGE	90-120	200-265	22-35		
NOTE*	*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.					

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