

IVP 64 GE 3 phase

Indications	For hematuria, frequent UTI's, bladder ca, renal ca				
Diagnostic Task	Detect masses, location of stones				
Scan Mode	Helical				
Position/Landmark	Head first-Supine Xiphoid S50-I500				
Topogram	AP 120kV 20mA Lat 120kV 40mA				
kVp/Reference mass	120kv Auto mA (300-700)				
Rotation time/pitch	0.5/0.984:1				
Detector Configuration	64x0.625				
Table Speed/Increment	39.37				
Dose reduction	Noise Index 15.86				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
	2-3 glasses of water NO CT KUB if patient has had one in last 60 days and images available				
Helical Set #1	body thickness recon				
Non contrast	recon	part	spacing	algorithm	destination
	1	abdomen/pelvis	2.5mmx 2.5mm	standard	pacs
	100ml or 150ml*ISOVUE 370 @ 2ml/sec 120sec *weight based 100ml if <250lbs 150ml if > 250lbs isovue 370				
Helical Set 2	body thickness recon				
120sec	recon	part	spacing	algorithm	destination
	1	abdomen/pelvis	2.5mmx 2.5mm	standard	pacs
	2	abdomen/pelvis	.625mmx .625mm	standard	pacs
	3	sag abdomen	2mmx2mm	standard	pacs
	4	coronal abdomen	2mmx2mm	standard	pacs
Helical Set 3	body thickness recon				
9min	recon	part	spacing	algorithm	destination
	1	abdomen/pelvis	2.5mmx 2.5mm	standard	pacs
	2	abdomen/pelvis	.625mmx .625mm	standard	pacs
	3	sag abdomen	2mmx2mm	standard	pacs
	4	coronal abdomen	2mmx2mm	standard	pacs
	5	coronal MIP	5mmx2mm	standard	pacs
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.				

