

IVP 64 Toshiba Three phase

Indications	For hematuria, frequent UTI's, bladder ca, renal ca		
Diagnostic Task	Detect masses, location of stones		
Scan Mode	Helical		
Position/Landmark	Head or feet first-Supine		
Topogram	AP mA50 kV120 /Lat mA 70 kV120		
kVp/Reference mass	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)		
Rotation time/pitch	0.5\0.828		
Detector Configuration	64x0.5		
Table Speed/Increment	26.5		
Dose reduction	Sure Exp 3D		
Allowed CTDI ranges*	7mGy-50mGy		
XR29 Dose Notification value	50mGy		
	2-3 glasses of water prior to scan		
	NO CT KUB if patient has had one in last 60 days and images available		
Helical Set #1 Non contrast	recon	body part thickness spacing	recon destination algorithm
	1	abdomen/pelvis 2mmx 2mm	standard pacs
	100ml or 150ml isouve 370 with 120sec delay		
Helical Set 2 120sec	recon	body part thickness spacing	recon destination algorithm
	1	abdomen/pelvis 2mmx 2mm	standard pacs
	2	abdomen/pelvis .6mmx .6mm	standard pacs
	3	sag abdomen 2mmx2mm	standard pacs
	4	coronal abdomen 2mmx2mm	standard pacs
Helical Set 3 9min delay	recon	body part thickness spacing	recon destination algorithm
	1	abdomen/pelvis 2mmx 2mm	standard pacs
	2	abdomen/pelvis .6mmx .6mm	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.		

