

IVP 64 Sensation

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 50mA 120kV
kVp/Reference mass	120kV 200mas
Rotation time/pitch	0.5/0.8
Detector Configuration	24x1.2
Table Speed/Increment	23.04
Dose reduction	CareDose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy
	200ml NaCL prior to non contrast scan
	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 kernel window destination
	1 abd/pelvis 2mmx 2mm 31medium smooth mediastinum pacs
	35ml ISOVUE 370 @2cc/sec-then 200ml NaCL @ 2ml/sec WAIT 13min
Helical Set 2	body thickness recon
	recon part spacing kernel window destination
120sec delay	1 abd/pelvis 2mmx 2mm 31medium smooth mediastinum pacs
75ml ISOVUE @	2 abd/pelvis .6mmx .6mm 31medium smooth mediastinum pacs
2ml/sec	3 coronal abdomen 2mmx2mm 31medium smooth mediastinum pacs
	4 sag abdomen 2mmx2mm 31medium smooth mediastinum pacs
	5 coronal MIP 5mmx2mm 31medium smooth mediastinum pacs
Helical Set 3	body thickness recon
5min	recon part spacing kernel window destination
only done if ureters are inadequately opacified	1 abd/pelvis .6mmx .6mm 31medium smooth mediastinum pacs
IV contrast volume/rate	110ml 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.

