

IVP 16 GE

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 S25-I500
Topogram	AP 120kV 10mA Lat 120kV 20mA
kVp/Reference mass	120kv Auto mA (100-440)
Rotation time/pitch	0.6/1.375:1
Detector Configuration	16x1.25
Table Speed/Increment	27.5
Dose reduction	Noise Index 15.86
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy
	200ml NaCL @ 2cc/sec 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 algorithm destination
	1 abdomen/pelvis 2.5mmx 2.5mm standard pacs
	35ml ISOVUE 370 @2cc/sec-then 200ml NaCL @ 2ml/sec WAIT 13min
	75ml ISOVUE 370 @2cc/sec-then scan CT A/P with 120second delay
Helical Set 2	body thickness recon
120sec	recon part spacing algorithm destination
	1 abdomen/pelvis 2.5mmx 2.5mm standard pacs
	2 abdomen/pelvis 1.25mmx 1.25mm standard pacs
	3 sag abdomen 2mmx2mm standard pacs
	4 coronal abdomen 2mmx2mm standard pacs
	5 coronal MIP 5mmx2mm standard pacs
Helical Set 3	body thickness recon
5min	recon part spacing algorithm destination
only done if ureters are inadequately opacified	1 abdomen/pelvis 1.25mmx 1.25mm standard 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.

