

# IVP 64 Toshiba

<b>Indications</b>	For hematuria, frequent UTI's, bladder ca, renal ca
<b>Diagnostic Task</b>	Detect masses, location of stones
<b>Scan Mode</b>	Helical
<b>Position/Landmark</b>	Head or feet first-Supine
<b>Topogram</b>	AP mA50 kV120 /Lat mA 70 kV120
<b>kVp/Reference mass</b>	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)
<b>Rotation time/pitch</b>	0.5\0.828
<b>Detector Configuration</b>	64x0.5
<b>Table Speed/Increment</b>	26.5
<b>Dose reduction</b>	Sure Exp 3D
<b>Allowed CTDI ranges*</b>	7mGy-50mGy
<b>XR29 Dose Notification value</b>	50mGy
	<b>200ml @2cc/sec NaCL prior to non contrast scan</b>
	<b>NO CT KUB if patient has had one in last 60 days and images available</b>
<b>Helical Set #1</b>	body thickness recon
<b>Non contrast</b>	recon part spacing algorithm destination
	1 abdomen/pelvis 2mmx 2mm standard pacs
	<b>35ml ISOVUE 370 @2cc/sec-then 200ml NaCL @ 2ml/sec WAIT 13min</b>
	<b>75ml ISOVUE 370 @2cc/sec-then scan CT A/P with 120second delay</b>
<b>Helical Set 2</b>	body thickness recon
<b>120sec</b>	recon part spacing algorithm destination
	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
<b>Helical Set 3</b>	body thickness recon
<b>5min</b>	recon part spacing algorithm destination
<b>only done if ureters are inadequately opacified</b>	1 abdomen/pelvis .6mmx .6mm standard pacs
<b>IV contrast volume/rate</b>	110ml isovue 370/ 400ml saline
	Performed as directed by a supervising radiologist
	<b>Approximate Values for CTDIvol</b>
	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
<b>NOTE*</b>	*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.

