

# IVP 16 Sensation

<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>	2cm superior to xiphoid/Inspiration
<b>Topogram</b>	AP 50mA 120kV
<b>kVp/Reference mass</b>	120kv 200mas
<b>Rotation time/pitch</b>	0.5/1.0
<b>Detector Configuration</b>	16x0.75
<b>Table Speed/Increment</b>	12
<b>Dose reduction</b>	CareDose 4D
<b>Allowed CTDI ranges*</b>	7mGy-50mGy
<b>XR29 Dose Notification value</b>	50mGy
	<b>200ml 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 kernel window destination
	1 abd/pelvis 2mmx 2mm 31medium smooth mediastinum pacs
	<b>35ml Isovue 370 @2cc/sec-then 200ml NaCL @ 2ml/sec WAIT 13min</b>
<b>Helical Set 2</b>	body thickness recon
<b>120sec delay</b>	recon part spacing kernel window destination
<b>75ml Isovue</b>	1 abd/pelvis 2mmx 2mm 31medium smooth mediastinum pacs
<b>2ml/sec</b>	2 thin abd/pelvis 1mmx.8mm 31medium smooth mediastinum for mpr/pacs
	2x2 coronal and sag abdomen pelvis from scan 2 series #2.
	5x2 coronal MIP abdomen pelvis from scan 2 series #2.
<b>Helical Set 3</b>	body thickness recon
<b>5min</b>	recon part spacing kernel window destination
<b>only done if ureters are inadequately opacified</b>	1 thin abd/pelvis 1mmx.8mm 31medium smooth mediastinum 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.

