

# IVP 16 Emotion Split delay

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 25 mA kV130					
kVp/Reference mass	130kv 200mas					
Rotation time/pitch	0.6/0.8					
Detector Configuration	16x1.2					
Table Speed/Increment	15.36					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
	<b>2-3 glasses of water prior to scn</b>					
	<b>no CT KUB if patient has had one in last 60 days and images available</b>					
Helical Set #1 Non contrast	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis	2mmx 2mm	31medium	smooth	mediastinum pacs
	<b>50ml or 75ml*ISOVUE 370 @2cc/sec-then WAIT 7min</b> <b>50ml or 75ml* ISOVUE 370 @2cc/sec-then scan CT A/P with 120second delay</b> <b>*weight based 100ml if &lt;250lbs 150ml if &gt; 250lbs isovue 370</b>					
Helical Set 2 Venous phase 120sec delay 2ml/sec	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis	2mmx 2mm	31medium	smooth	mediastinum pacs
	2	coronal abdomen	2mmx2mm	31medium	smooth	mediastinum pacs
	3	sag abdomen	2mmx2mm	31medium	smooth	mediastinum pacs
	4	coronal MIP	5mmx2mm	31medium	smooth	mediastinum pacs
	5	abd/pelvis	1.5mmx 1.5mm	31medium	smooth	mediastinum pacs
Helical Set 3 5min only done if ureters are inadequately opacified	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis	1.5mmx 1.5mm	31medium	smooth	mediastinum pacs
IV contrast volume/rate	100ml if <250lbs 150ml if > 250lbs isovue 370/ 400ml saline					
	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.

