IVP 16 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	0.5/1.0
Detector Configuration	16x0.75
Table Speed/Increment	12
Dose reduction	CareDose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy
	NO CT KUB if patient has had one in last 60 days and images available
	200ml NaCL prior to non contrast scan

Helical Set #1
Non contrast

recon	body part	thickness spacing	kernel	window	recon 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

120sec delay
75ml Isovue
2ml/sec

recon	body part	thickness spacing	kernel	window	recon destination
1 abd/pelvis		2mmx 2mm	31medium smooth	mediastinum	pacs
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 from scan 2 series #2

Helical Set 3
5 min

recon	body part	thickness spacing	kernel	window	recon destination
1 thin abd/pelvis		1mmx.8mm	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.