IVP 64 Toshiba Split delay

Indications	For hematuria, frequent UTI's, bladder ca, renal ca
Diagnostic Task	Detect masses, location of stones
Scan Mode	Helical
Position/Landmark	Head or feet first-Supine
Topogram	AP mA50 kV120 /Lat mA 70 kV120
kVp/Reference mass	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)
Rotation time/pitch	0.5\0.828
Detector Configuration	64x0.5
Table Speed/Increment	26.5
Dose reduction	Sure Exp 3D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy
	2-3 glasses of water prior to scan
	NO CT KUB if patient has had one in last 60 days and images available

Helical Set #1
Non contrast

recon	body part	thickness spacing	algorithm	recon destination
1	abdomen/pelvis	2mmx 2mm	standard	pacs

50ml or 75ml *ISOVUE 370 WAIT 7min
50ml or 75ml * ISOVUE 370 @2cc/sec-then scan CT A/P with 120second delay
***weight based 100ml if <250lbs 150ml if > 250lbs isovue 370**

Helical Set 2
120sec

recon	body part	thickness spacing	algorithm	recon 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

Helical Set 3
5min
only done if ureters are inadequately opacified

recon	body part	thickness spacing	algorithm	recon destination
1	abdomen/pelvis	.6mmx .6mm	standard	pacs

IV contrast volume/rate	100ml if <250lbs 150ml if > 250lbs 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.

Revision Date 8-4-2017/4-20-2018/2-19-2020/04-2021
Approved by Dr Ellermeier/Mollard