

IVP					
Protocol Title	6.5 IVP				
HDI/VDI					
Patient position:	Supine and Prone Feet First				
Exam specific instructions:	NOTES: PT WILL DRINK 500-1000ml (16-32 OZ) WATER 30-60 MINUTES PRIOR TO EXAM. DO NOT VOID ONCE WATER IS INGESTED				
Indication:	Painless hematuria				
Notes:	CORONALS ARE CREATED FROM SERIES WITH BEST FILLING OF URETERS				
CONTRAST:	Oral:	See Exam instructions			
	IV:	135ml Omni 350. See each series for injection parameters			
 SERIES 1: Dual Scout	GE 120kV/10mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	XY S30/I500	S20/I550	S20/I550		S50/I550
OLY "supine w/o" scan just above kidneys thru bladder					
 SERIES 2: *Supine without* Scan craniocaudal from above diaphragm through lesser trochanters					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical		Helical
Detector Config	40mm	40mm	40mm		40mm
Rotation	0.5	0.5	0.5		0.5
Pitch/Speed	.984/39.37	37.375	37.375		37.375
SFOV	Large Body	Large	Large		Large Body
kV	120	120	120		120
mA Range	125-550	125-550	125-550		125-550
NI	32.72	32	32		32
Prep Group	N/A	N/A	N/A		NA
DFOV (cm)	36	45	45		45
% Dose Reduction	40	40	40		40
ASIR %	30	40	40		40
CTDI (mGy)	23.91	2.21	2.21		2.65
XR29 Dose Notification (mGy)	50	50	50		50

	RECON 1	RECON 2
Series Descripton	W/O Thin	Axial W/O
Type	Axial	Axial
Start	Above diaphragm	Above diaphragm
End	Lesser Trochanters	Lesser Trochanters
Image Order	Craniocaudal	Craniocaudal
Filter	Standard	Standard
Windowing	C40/W350	C40/W350
Render Mode	Average	Average
Slice (mm)	0.625	2.5
Increment (mm)	0.625	2.5
FOV (mm)	36	36

 SERIES 3: Dual Scout	GE kV/ mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET/CT

	XY S30/I500	S20/I550	S20/I550		
 SERIES 4: *Supine with* Inject 50ml @ 3ml/sec. Log roll patient and delay 5 min. Then inject an additional 85ml @ 3ml/sec. At 120 seconds, scan craniocaudal from diaphragm to symphysis.					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET/CT
Scan Type	Helical	Helical	Helical		
Detector Config	40mm	40mm	40mm		
Rotation	0.5	0.5	0.5		
Pitch/Speed	0.984/39.37	37.375	37.375		
SFOV	Large Body	Large	Large		
kV	120	120	120		
mA Range	100-550	125-550	125-550		
NI	32.72	32	32		
Prep Group	5 + 2 min	5 + 2 min	5 + 2 min		
DFOV (cm)	36	45	45		
% Dose Reduction	40	40	40		
ASIR %	30	40	40		
CTDI (mGy)	14.35	2.88	2.88		
XR29 Dose Notification (mGy)	25	50	50		

	RECON 1	RECON 2	RECON 3
Series Descripton	7 Min Delays Thins	Lung	7 Min Delay 2.5X1.25
Type	Axial	Axial	Axial
Start	Above diaphragm	Above diaphragm	Above diaphragm
End	Symphysis	Below diaphragm	Symphysis
Image Order	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Lung	Standard
Windowing	C40/W350	C-500/W2000	C40/W350
Render Mode	Average	Average	Average
Slice (mm)	0.625	2.5	2.5
Increment (mm)	0.625	2.5	1.25
FOV (mm)	36	36	36

 SERIES 5: Dual Scout	GE kV/ mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET/CT
	XY S30/I500	S20/I550	S20/I550		
 SERIES 6: *Prone* If ureters and/or bladder are not opacified, scan patient craniocaudal in prone position area not opacified on supine scan.					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET/CT
Scan Type	Helical	Helical	Helical		
Detector Config	40mm	40mm	40mm		
Rotation	0.5	0.5	0.5		
Pitch/Speed	0.984/39/37	37.375	37.375		
SFOV	Large Body	Large	Large		
kV	120	120	120		
mA Range	100-550	125-550	125-550		
NI	32.72	32	32		
Prep Group	N/A	N/A	N/A		

DFOV (cm)	36	45	45		
% Dose Reduction	40	40	40		
ASIR %	30	40	40		
CTDI (mGy)	14.35	2.65	2.65		
XR29 Dose Notification (mGy)	50	50	50		

	RECON 1	RECON 2
Series Descripton	Prone Thin	Axial Prone
Type	Axial	Axial
Start	Above diaphragm	Above diaphragm
End	Symphysis	Symphysis
Image Order	Craniocaudal	Craniocaudal
Filter	Standard	Standard
Windowing	C40/W350	C40/W350
Render Mode	Average	Average
Slice (mm)	0.625	2.5
Increment (mm)	0.625	1.25
FOV (mm)	36	36

Send to PACs
Approving Radiologist / Review Date