

Renal Mass+Pelvis 16 Sensation

Indications	Renal mass seen on other imaging, flank pain																												
Diagnostic Task	Detect masses of kidney																												
Scan mode	Helical																												
Position/Landmark	2cm superior to xiphoid/Inspiration																												
Topogram	AP 120kV 50mA																												
kVp/Reference mass	120kv 160mas/100kv if pt under 140lbs																												
Rotation time/pitch	0.5/0.75																												
Detector Configuration	16x0.75																												
Table Speed/Increment	9																												
Dose reduction	CareDose 4D																												
Allowed CTDI ranges*	7mGy-50mGy																												
XR29 Dose Notification value	50mGy																												
Helical Set #1 none contrast	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 15%;">recon</th> <th style="width: 15%;">body part</th> <th style="width: 15%;">thickness spacing</th> <th style="width: 15%;">kernel</th> <th style="width: 15%;">window</th> <th style="width: 15%;">recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>abdomen</td> <td>2mmx 2mm</td> <td>31medium smooth</td> <td>mediastinum</td> <td>pacs</td> </tr> </tbody> </table>		recon	body part	thickness spacing	kernel	window	recon destination	1		abdomen	2mmx 2mm	31medium smooth	mediastinum	pacs														
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Scan start all sets	1 cm superior to diaphragm																												
end location	NC and 40sec-iliac crest //// through lesser trochanter-120second delay																												
IV contrast volume/rate	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec																												
Scan delay	Performed as directed by a supervising radiologist																												
	none/40sec/120sec																												

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.

