

# Renal Mass+Pelvis GO ALL

<b>Indications</b>	Renal mass seen on other imaging, flank pain					
<b>Diagnostic Task</b>	Detect masses of kidney					
<b>Scan mode</b>	Helical					
<b>Position/Landmark</b>	2cm superior to xiphoid/Inspiration					
<b>Topogram</b>	AP 1100kV 15mA					
<b>kVp/Reference mass</b>	130kv 99mas					
<b>Rotation time/pitch</b>	0.5/0.8					
<b>Detector Configuration</b>	32x0.7					
<b>Table Speed/Increment</b>	17.92					
<b>Dose reduction</b>	CareDose 4D					
<b>Allowed CTDI ranges*</b>	7mGy-50mGy					
<b>XR29 Dose Notification value</b>	50mGy					
<b>Helical Set #1 none contrast</b>	recon	body part	thickness spacing	kernel	window	recon destination
	1	abdomen	2mmx 2mm	Br40	abdomen	pacs
<b>Helical Set #2 40second</b>	recon	body part	thickness spacing	kernel	window	recon destination
	1	abdomen	2mmx 2mm	Br40	abdomen	pacs
	2	cor	2mmx2mm	Br40	abdomen	pacs
	3	sag	2mmx2mm	Br40	abdomen	pacs
<b>Helical Set #3 120second</b>	recon	body part	thickness spacing	kernel	window	recon destination
	1	abdomen/pel	2mmx 2mm	Br40	abdomen	pacs
	2	cor a/p	2mmx2mm	Br40	abdomen	pacs
	3	sag a/p	2mmx2mm	Br40	abdomen	pacs
<b>Scan start all sets</b>	1 cm superior to diaphragm					
<b>end location</b>	NC and 40sec-iliac crest //// through lesser trochanter-120second delay					
<b>IV contrast volume/rate</b>	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec					
<b>Scan delay</b>	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.

