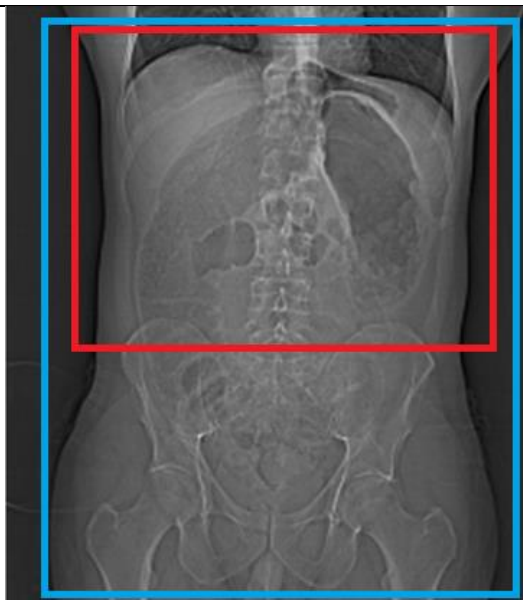


CT Renal Mass, and CT Renal Mass with Pelvis

Position/Landmark	Supine Feet First / Above Liver
Scout	
Scan coverage	Above the dome of liver to iliac crest.
Respiratory Phase	Inspiratory
Scan Type	Helical
IV access	18g or 20g
IV Contrast	125ml OMNI 350 @ 4.0mL/sec
Contrast Delay	All phases are timed. There is no bolus tracker for arterial phase
PO Prep	None
Reason For Exam	Used for detecting, characterizing, and staging renal masses

Scan Settings – CT Renal Mass (Same for each phase unless noted otherwise)			
	Siemens SOMATOM Force	Philips iCT/Ingenuity	Canon Aquilion ONE Vision
kV Setting:	CAREkV Ref kV= 120	120	120
mA/mAs/TCM Setting:	CAREdose4D QRM = 147, Dose Slider Settings at 3 for non con, 7 for other phases	DoseRight DRI = 16, Liver DRI Boost +3	SureExposure3D (SD=11.5)

Iterative Reconstruction Setting:	Admire Strength 3	iDose 3	AIDR 3D Standard
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Scan and Recon Instructions - CT Renal Mass	
1.	Scout top of Diaphragm to Iliac Crest
2.	NON-CONTRAST Diaphragm to Iliac Crest (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue)
4.	ARTERIAL 30 seconds Diaphragm to Iliac Crest (5mm x 2.5mm) (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue) - Sagittal 3mm x 1.5mm (soft tissue)
5.	Parenchymal 100 seconds. Diaphragm to Iliac Crest. (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue)
6.	4 minute delay Diaphragm to Iliac Crest (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue) (Contrast timer on injector will show 4 minutes since the start of the injection)

Scan and Recon Instructions - CT Renal Mass with Pelvis	
1.	Scout top of Diaphragm to Lesser Trochanter
2.	NON-CONTRAST Diaphragm to Iliac Crest (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue)
4.	ARTERIAL 30 seconds Diaphragm to Iliac Crest (3mm x 1.5mm) (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue) - Sagittal 3mm x 1.5mm (soft tissue)
5.	Parenchymal 100 seconds. Diaphragm to lesser trochanter. (blue box)

	- Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue) - <i>Quick tip – Portal Pelvis</i>
6.	4 minute delay Diaphragm to Iliac Crest (red box) - Axial 3mm x 1.5mm (soft tissue) - Coronal 3mm x 1.5mm (soft tissue) (Contrast timer on injector will show 4 minutes since the start of the injection)