

## CT Guideline for AAA with Endovascular Stent Grafts

**Indications:** Planning (no more than 6 months prior to procedure) and follow-up (all subsequent imaging) of known Abdominal Aortic Aneurysm with surgical Stent Graft Repair

**Oral Contrast:** None

**IV Contrast:** Yes (See [MRG Contrast Media Administration Policy](#))

**Scans: Pre-Surgical: (1) Pre-contrast (2) Arterial Phase**

**Post-Surgical: (1) Pre-contrast (2) Arterial Phase (3) 120sec delay**

### Pre-Surgical:

Series	(1) Pre-contrast	(2) Arterial
<b>Positioning</b>	Supine	Supine
<b>FOV</b>	Patient size	Patient size
<b>Axial Reconstruction: Thickness/ Interval/ Algorithm</b>	(1) 2-3mm/2-3mm/Soft  (2) 2-3mm/2-3mm/Sharp	(1) 2-3mm/2-3mm/Soft
<b>Start Location</b>	Above highest dome of the diaphragm	Above celiac artery origin
<b>End Location</b>	Mid intertrochanteric region	Femoral bifurcation
<b>Gantry Angle</b>	None	None
<b>Reformations: Thickness/ Interval/ Algorithm</b>	None	(1) Coronal 2mm/2mm/Soft (2) Sagittal 2mm/2mm/Soft (3) 3D Reformations
<b>Phase of Respiration</b>	Inspiration	Inspiration

### Post-Surgical and Follow-up:

Series	(1) Pre-contrast	(2) Arterial	(3) 120 second Delay
<b>Positioning</b>	Supine	Supine	Supine
<b>FOV</b>	Patient size	Patient size	Patient size
<b>Axial Reconstruction: Thickness/ Interval/ Algorithm</b>	(1) 2-3mm/2-3mm/Soft  (2) 2-3mm/2-3mm/Sharp	(1) 2-3mm/2-3mm/Soft	(1) 2-3mm/2-3mm/Soft
<b>Start Location</b>	Above highest dome of the diaphragm	Above celiac artery origin	Above celiac artery origin
<b>End Location</b>	Mid intertrochanteric region	Femoral bifurcation	Femoral bifurcation
<b>Gantry Angle</b>	None	None	None
<b>Reformations: Thickness/ Interval/ Algorithm</b>	None	(1) Coronal 2mm/2mm/Soft (2) Sagittal 2mm/2mm/Soft (3) 3D Reformations	None
<b>Phase of Respiration</b>	Inspiration	Inspiration	Inspiration