 <b>University Health™</b>	<b>Policy #: Rad Proc 13.13.8</b>
<b>SUBJECT: CT Routine Chest Angio for Dissection 5.8</b>	<b>Effective: 10/2013</b> <b>Reviewed: 03/07/2017</b>
<b>APPROVED BY: Body Imaging Medical Director</b>	<b>Page 1 of 2</b>

**Purpose:** To provide computed tomography staff with the required protocol for performing CT Chest Angio for Dissection.

**Scope:** All adult patients 18 years and older.

**Clinical Indication:** Thoracic aneurysm, Vascular Abnormalities

**Patient Preparation:** Clear liquid diet (6 hours prior to exam)

**Orientation:** Feet first

**Breathing:** Inspiration

**Oral Contrast:** None

**IV Contrast per Weight:** 1ml/lb or 2ml/kg not to exceed 150ml injected @ 4ml/sec


**Coverage:** Lung apices through renal arteries (L2)

**Anatomic Reference:** Sternal notch

**Scan Delay:** Smart prep or care bolus

**Group 1: Non-contrast – Lung apices to below Renal Arteries**

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 1 sec Helical Full	10 27.50 1.375:1	10	Large	120	80-440 11.5	N	Standard
VCT 0.7 sec Helical Full	10 55.00 1.375:1	10	Large	120	80-600 11.5	N	Standard
AS 64 0.5 sec	10 0.8	10	360	120	Ref mAs 250	N	Standard

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**Group 1: Arterial Phase – Lung apices through renal arteries**

**Smart prep or care bolus : Monitoring delay 0 sec ISD 1 Threshold 100**

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
<b>LS 16</b> <b>0.8 sec</b> <b>Helical</b> <b>Full</b>	<b>2.5</b> <b>27.50</b> <b>1.375:1</b>	<b>2.5</b>	<b>Large</b>	<b>120</b>	<b>80-440</b> <b>11.5</b>	<b>Smart Prep</b>	<b>Standard</b>
<b>VCT</b> <b>0.8 sec</b> <b>Helical</b> <b>Full</b>	<b>2.5</b> <b>55.00</b> <b>1.375:1</b>	<b>2.5</b>	<b>Large</b>	<b>120</b>	<b>80-600</b> <b>11.5</b>	<b>Smart Prep</b>	<b>Standard</b>
<b>AS 64</b> <b>0.5 sec</b> <b>Helical</b>	<b>2</b> <b>1</b>	<b>2</b>	<b>380</b>	<b>120</b>	<b>Ref MAS</b> <b>250</b>	<b>Care Bolus</b>	<b>Standard</b>

**Algorithm: Recon 1 & 2 Standard**

**Reformation: 2.5mm Sagittal and Coronal reformations of the entire exam**

**Network: Recon 1 (5mm) to PACS. Recon 2 (1.25) auto transmit to AWSERV**

**\*\* Include non-contrast images when requested by Radiologist. \*\***