	Policy #: Rad Proc 13.12.34
University Health™	
SUBJECT: Lumbar Spine Helical 7.2	Effective: 10/1/2013 Revised: 7/15/2016
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Purpose: To provide computed tomography staff with the required protocol for performing a routine lumbar spine CT.

Scope: All adults patients 18 years and older.

Procedure:
Clinical Indication: Back pain, trauma, fracture
Patient Preparation: None
Orientation: Feet first
Breathing: Normal breathing
Oral Contrast: None
IV Contrast: Per Weight: *If clinically indicated* 1ml/lb or 2ml/kg Visipaque 320 not to exceed
                100ml injected @ 3ml/sec
Coverage: T12 through the sacrum
Anatomic Reference: Iliac crest
Scan Delay: If indicated use 35 second fixed delay

Group 1:

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kV	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 1.0 sec Helical Full	2.5 5.62 0.562:1	2.5	Large	120	380 7	N	Bone Standard
VCT 1.0 sec Helical Full	2.5 55.00 1.375:1	2.5	Large	120	600 17.45	N	Bone Standard
AS 64 1.0 sec Helical	2.4	2.4	250	120	Ref MAS 350	N	Bone Standard

Algorithm: Recon 1-Standard Recon 2-Bone Recon 3-Standard 0.625mm @25cm Recon 4-Bone 0.625mm @25cm
Reformat: Sagittal and Curved Coronal in standard and bone
Network: Recon 1, 2 and Sagittals and Coronals to PACS; Recon 3 and 4 to AWSERV