

	Policy #: Rad Proc 13.16.4
SUBJECT: CT Lower CT Extremity Knee 9.1	Effective: 10/2013 Reviewed: 05/2019
APPROVED BY: <b>Musculoskeletal Imaging Medical Director</b>	Page 1 of 1

**Purpose:** To provide computed tomography staff with the required protocol for performing CT Lower Extremity Knee.

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

**Clinical Indication:** Pain, Fracture, dislocation, trauma

**Patient Preparation:** None

**Orientation:** Head first

**Breathing:** Inspiration

**Oral Contrast:** None

**IV Contrast per Weight:** None

**Coverage:** 3cm above and below area of interest

**Anatomic Reference:** KN

**Scan Delay:** N/A

**Group 1:** 3cm above and below area of interest

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 0.8 sec Helical Full	2.5 5.62 0.562:1	2.5	Large	120	80-440 11.5	No	Standard Bone
VCT 0.8 sec Helical Full	2.5 20.62 0.531:1	2.5	Large	120	80-440 12.15	No	Standard Bone
AS 64 0.5 sec Helical	2.5 1	2.5	380	120	Ref MAS 250	No	Standard Bone

**Algorithm:** Recon 1 & 2 Standard and bone Recon 3 & 4 Standard and bone at 32cm DFOV

**Reformation:** Sagittal and Coronal reformations at 0.6mm. Make 3D reformations.

**Network:** Recon 1 & 2 to PACS. Recon 1 & 2 (0.625) auto transmit to AWSERV

**Notes:** Auto mA must be on and mA table checked prior to scanning