

UT Southwestern Department of Radiology

Protocol Name: Knee CT

Orderable Name: CT LOWER EXTREMITY RIGHT WO IV CONTRAST

Adult Only

Epic Button: Knee

CTDIvol < 50 mGy

Indications: Trauma, Degenerative arthropathy, intra-articular bodies Talar dome osteochondral lesions

Acquisitions: 1

Active Protocol

| | | | |
|----------------------------|--------------------------|-----------------------------|--|
| Oral Contrast: None | IV Contrast: None | Other Contrast: None | Airway |
| | | | <p>Other Notes</p> <p>*Place a marker at the site of most concern. Use Right/Left orderable based on protocol or side indicated in reason for exam. Metal (FOV): Use 140 kVp. Dual energy/Spectral scanner required. Photon counting scanner preferred unless gout is indicated.</p> |

Last Change: 1/13/2023

Last Review: 1/31/2024

Links: [General Statements](#) [Positioning Reference](#)

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|-----------------------------|--|---|
| Special Instructions | Use 5mm cor/sag if large patient or metal in FOV. | Do not repeat CT scan, recon soft tissue from 1st acquisition, send soft tissue kernel volume to TeraRecon Use 5mm cor/sag if large patient or metal in FOV. |
| Acq # / Series Name | 1 Noncontrast | N/A Noncontrast |
| Phase Timing | | N/A |
| Acquisition Protocol | | Recon Only |
| Coverage | See illustration - Distal femoral metaphysis to proximal tibial metaphysis | Same |
| FOV | Whole knee | Same |
| Algorithm | Bone | Soft Tissue |
| Axial Recons | 3 mm | 4 mm, Volume |
| Other Planar Recons | 3 mm coronal and sagittal (see illustration) | 4 mm coronal and sagittal (see illustration) |
| MIP Recons | | |
| †DECT Philips | Gout maps (cor/sag), BM edema, SBI, mono E 100, mono E 120 | |
| †DECT Siemens | Gout maps (cor/sag), BM edema, low/high kVp, mono E 100, mono E 120 | |
| †PC-CT Siemens | | |

† When dual energy (DE) or photon counting (PC) CT is used

