

# CT Lower Extremity Knee

GE- 7002

Maximum CTDI \_\_\_\_30\_

PT Prep: Remove all braces off knee prior to scan.

Series 1: **Scouts AP & LAT** –  
S 150 to I 150

Series 2: **Helical** scan of the affected area. Center on middle of joint that is clinically indicated.  
Scan in a Soft Tissue  
Recon 2 in a Bone Algorithm.

**Do not film or send RECON 3/retro-recon images to PACS**

Reconstruction **Standard & Bone**

**DFOV 15-20cm**

Technique:

|                            | <b>750 HD 128<br/>(room 2)</b> | <b>Optima 660 (32)<br/>OVIC</b> | <b>Optima 660<br/>(room 1)</b> | <b>VCT 64<br/>(room 3)</b> |
|----------------------------|--------------------------------|---------------------------------|--------------------------------|----------------------------|
|                            | 10.35                          | 9.00                            | 9.00                           | 9.00                       |
| Interval                   | 2.5mm                          | 2.5mm                           | 2.5mm                          | 2.5mm                      |
| Axial/Helical<br>Thickness | 2.5mm                          | 2.5mm                           | 2.5mm                          | 2.5mm                      |
| Pitch                      | 0.516:1                        | 0.531:1                         | 0.516:1                        | 0.516:1                    |
| Speed<br>mm/rotation       | 20.62                          | 10.62                           | 20.62                          | 20.62                      |
| Detector Rows              |                                |                                 |                                |                            |
| Detector<br>Configuration  |                                |                                 |                                |                            |
| Beam Collimation           | 40mm                           | 20mm                            | 40mm                           | 40mm                       |
| Kv/mA                      | 120KV/380mA                    | 120KV/380mA                     | 120KV/380mA                    | 120KV/300mA                |
| Scan                       | Helical 0.5 sec                | Helical 0.5 sec                 | Helical 1.0 sec                | Helical 0.5 sec            |

Reformations: Using the bone algorithm images from Recon 3/reformat sagittal and coronal

Networking/ PACs: Send scouts  
Send series 2 Standard Algorithm  
Send series 2 Bone Algorithm  
Send coronal/sagittal reformations

Original Date: 4-8-04

Approved by : Dr. A. Specht , MCR

Revised Date: 11-9-04, 1-11-10 12/8/10 04/17/13 12/15/15, 9/16/20

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