ConforMIS CT Protocol:

PT Preparation:
- The patient must be in the supine position at iso-center in the gantry
- The leg of interest must be in **complete extension**
- The foot has to be perpendicular to the table with the toes pointing straight up and secured so that motion is prevented
- No sponge or pillow should be placed beneath the knee or ankle of interest
- If the patient presents with hardware in the contra-lateral leg it is crucial to try to move that leg out of the scan field. This means:
  - Place a pillow or sponge under the contra-lateral leg
  - Have the patient bend the contra-lateral knee so that the metal is as far way from the extremity of interest
- Place anatomy of interest in true anatomical position

Setup:
1. AP scout from above the hip through the entire foot

Scan Parameters:
1. The acquisition consists of three separate short spiral axial scans
   - Hip – **25 – 30 cm DFOV**
     - Entire femoral head
   - Affected knee – **20 - 25 cm DFOV**
     - The scan must include at least 1/3 of the distal femur through 1/3 of the proximal tibia
   - Ankle – **15-20 cm DFOV**
     - Centered at the tibiotalar joint space the scan must include at least 2 centimeters above the joint to 2 cm below

Reconstructions:
1. Recon 1 Scan 1 is the LT or RT Hip (CD Set)
2. Recon 2 Scan 2 is the LT or RT Knee (CD Set)
3. Knee reformat set (Used to create Coronal and Sagittal Knee)
4. Recon 3 Scan 3 is the LT or RT Ankle (CD Set)

PACS Series:
1. Topogram
2. LT or RT HIP
3. LT or RT Knee
4. 1x1 LT or RT Knee Coronal
5. 1x1 LT or RT Knee Sagittal
6. LT or RT Ankle
## Extremity

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<th>Definition 40</th>
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### Reconstruction Parameters

**Recon 1 LT or RT Hip (CD Set)**
- Algorithm/ Kernel: B70
- Slice thickness (mm): 2
- Slice Increment (mm): 2
- Slice thickness (mm): 2
- Slice Increment (mm): 2
- Slice thickness (mm): 2.5
- Slice Increment (mm): 2.5

**Recon 2 LT or RT Knee (CD Set)**
- Algorithm/ Kernel: B70
- Slice thickness (mm): 1
- Slice Increment (mm): 0.5
- Slice thickness (mm): 1
- Slice Increment (mm): 0.5
- Slice thickness (mm): 1.25
- Slice Increment (mm): 1.25

**Recon 3 LT or RT Knee Reformat Set** (Used to Create 1x1 Knee MPR’s)
- Algorithm/ Kernel: B70
- Slice thickness (mm): 0.6
- Slice Increment (mm): 0.6
- Slice thickness (mm): 0.6
- Slice Increment (mm): 0.6
- Slice thickness (mm): 0.625
- Slice Increment (mm): 0.625

**Recon 3 for LT or RT Ankle (CD Set)**
- Algorithm/ Kernel: B70
- Slice thickness (mm): 2
- Slice Increment (mm): 2
- Slice thickness (mm): 2
- Slice Increment (mm): 2
- Slice thickness (mm): 2.5
- Slice Increment (mm): 2.5