Protocol CT imaging lower extremities for osseointegration

Goal: Scan protocol musculoskeletal CT lower extremities for osseointegration

Indication: Osseointegration pre-operative templating/designing or post-operative follow-up

Protocol

- Preparation: Supine position, legs in anatomical position (patella upright symmetrical). When below knee amputation: follow regular protocol ct scan knee. When above or through knee amputation: follow regular protocol ct scan pelvis
- Contrast: No IV contrast
- Scan range:
    - In case below knee amputation: whole tibia stump + knee. Femur only when mentioned explicitly
    - In case above or through knee amputation: whole femur stump + hip joint
- Scan Details:
    - When artificial joints or plate and screws with streak artifact is present please apply metal artefact reduction when available
- Recon details:
    - Axial 1 Bone Std
    - Volume 1 Bone Std
    - Multiview 1 Bone Std Cor and Sag
    - Thin slices with 50% overlap (0.5mm/0.25mm)(0.6mm/0.3mm)
- Postprocessing:
    - Do Cor en Sag 3/2 mpr, when multiview turned
    - Coronal and sagital recons in 3mm with increments of 2mm

In case of questions and remarks, feel free to email us at: mail@aofeclinics.nl

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