

Bilateral Forearm

CT Protocol





Bilateral Forearm CT for 3D Surgical Planning

This document defines the protocol for the study and evaluation of the correction of forearm malunions or fractures that will allow the digital surgical planning and, in case it is needed, the design of patient specific surgical guides and implants.

Region of Study

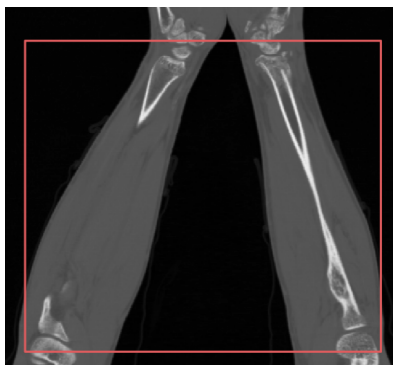
Bilateral Forearm

Patient Position

Prone decubitus, head first

Acquisition

Acquisition protocol	3D Forearm
Region of study (topogram)	From the elbow to the wrist (taking the whole carpus). It is possible to do a CT Scan of each laterality
Field of view (FOV)	Adjust FOV so that it does not cut off any anatomical region, making sure to include the entire forearm. Only bone regions are of interest



Matrix	512 x 512
Detector Collimation	0.625 mm
Pitch	< 1
KVp	90-120 or higher in case of an obese patient or presence of metal
Rotation time	<1s



Reconstruction

MPR (Multiplanar reconstruction)

Reconstruction in the three planes of the complete study

Reconstruction algorithm

Single soft tissue window

MPR Cutting Thickness

0.625 mm
