



smartbone[®]

ORTHO

CT SCAN PROTOCOL



 **swiss made**



CT SCAN PROTOCOL

CT suggested protocol in the evaluation of SmartBone® ORTHO's properties.
Please read it carefully before scanning.

GENERAL SCAN REQUIREMENTS:

Take off any non-fixed metal prosthesis, jewellery, zippers or other metal objects that might tamper with the region to be scanned.

Talk about the procedure with the patient. The patient must not move any part during the scanning sequence.
Position the patient to maximize comfort and minimize motion.

SCAN DATA

Imaging modality	CT
Scanner type	A common CT machine can be used. Please make sure that images fulfil the minimum requirements stated below.
Patient Centering	Set the table height so that the area to be scanned is centered in the field of view, [0- +5 cm]
Field of View (FOV)	FULL FOV (FOV 40) - Scan all slices with the same FOV, reconstruction center and table height (coordinate system)
ASIR	ASIR 30%
Algorithm	A STANDARD algorithm A BONE algorithm For scans where metal implants are present: A metal Artefact Reduction Method
kVp	140 kV
mAs	30 mA for small joint [30 mA - 300 mA] As given by the automatic system for axial skeleton - modulation current system
Reconstructions	STANDARD - FULL FOV 40 cm - MAR BONE - FULL FOV 40 cm STANDARD - FOV 20 cm BONE - FOV 20 cm STANDARD - FOV 20 CM - MAR