

CT SCANNING GUIDELINES

Mimedis Surgical Solutions

This document provides precise instructions on how a CT scan has to be taken for the purpose of ordering a **Mimedis Surgical Solutions** product.

SCANNING GUIDELINES

In order to have optimal scan data available for designing your surgical solution please ensure following aspects:

- Patient scan must be younger than three months old.
- Prevent as many artefacts as possible in the resulting image by aligning the patient accordingly.
- Movements of the patient while scanning have to be strictly avoided.
- Scan all slices of the study in the same direction.
- Use no gantry tilt to avoid possible inferior image quality.
- Chose the field of interest as small as possible.
- Spatial resolution of the scan should be between 0.625 and 1.25 mm but not larger than 2 mm.
- Use a "soft" convolution kernel e.g. H30 or H40.
- All slices must have the same field of view, the same reconstruction center and the same table height.
- Provide scan data as DICOM slices on a CD, DVD or USB memory stick. Films will not be accepted.

SCAN PARAMETERS

Use the following scan parameters or the closest approximation possible:

PARAMETER	RECOMMENDED SETTING
Slice Thickness	1.0 mm
Feed per Rotation	1.0 mm
Slice Increment Reconstruction	1.0 mm
Matrix	512 x 512
Gantry Tilt	0°
Reconstruction Algorithm	Bone or High Resolution
Accepted Data Format	Uncompressed DICOM
Accepted Media	CD, DVD or USB memory stick
Provision of Additional Data	Data of scan, patient name, surgeon, hospital and contact number

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