ProtoMED - CT Scanning Protocol for Patient-Specific Models

Patient-specific 3D modeling is only as accurate as the CT data provided. Follow this protocol to ensure clean and accurate CT data collection for these services

Compatible Scanning Equipment

ProtoMED's patient-specific bone models can be produced using data from all DICOM compatible scanners. DICOM compatible scanners include, but are not limited to, the following:

GE, Hitachi, Phillips, Siemens, Toshiba, Cone Beam Scanners

Preferred Algorithm by Manufacturer (standard soft tissue)

GE	Phillips	Siemens	Toshiba
Standard	B	H30s	FC03 or FC30

Remove all non-fixed metal including jewelry, dentures, and prosthesis.
It is very important the patient does not move or swallow during the scanning process.

Traditional CT
Use 1mm slices or smaller
Set Gantry Tilt to "0"

Cone Beam CT
Select largest FOV
Select smallest voxel size
Select the highest mAs

Make a CD or disc with the **uncompressed DICOM image data.**

Label the CD or disc with the following:

- Patient Identification
- Physician Name
- Facility Name
- CT Technologist Name
- Technologist Phone Number

You may upload the uncompressed DICOM data and digital picture to our secure ftp site or send them to the address below. To use our FTP site, please call for instructions. You may also arrange an alternate secure data transfer method of your choice.

ProtoMED, Inc.
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Please contact us for instructions on uploading CT data or with any questions

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