

Scanning Protocol

This document describes the guidelines for a CT scan to request a **Customized PEEK Implant** from Ad Mirabiles.

Preparation of the patient

- Remove any non-fixed metals, dentures or jewelry in and near the region to be scanned. Non-metallic dentures may be worn during scan
- Instruct the patient not to move

Patient positioning

- Scan the patient without gantry tilt (0° angulation)
- If this is not possible mark the degree of angulation on the scan
- Use a head holder to stabilize the position and strap the head securely to prohibit motion
- If the scan shows motion artifacts, the scan cannot be used
- Slice thickness and increment should preferably not be larger than 1 mm
- Scan the entire defect as well as 2 cm above and below

Scan length/Field of view

- For cranial defects, encompass the entire skull, including at least 2 slices superior to the skull
- Scan all slices in the same direction

Reconstruction of the images

- All images of a scan should be stored in one series
- DICOM format is needed
- Use the precisest algorithm which is available, usually described as a bone or high-resolution algorithm
- Only the axial images are required

For further assistance get in contact with your local Sales Representative