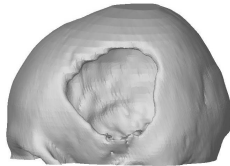


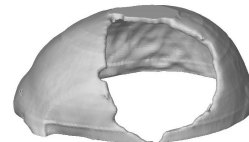
CT REQUIREMENTS FOR CUSTOM MADE IMPLANTS

CT scan has to be made using spiral tomography. Scanned axial slices without a reconstruction have to be digital (recorded to CD or through cloud storage) in DICOM format. Gantry Tilt must be equal to 0° or more than 10° . For the facial region and mandible the "slices" must be performed with a step of not more than 1-1.2 mm, for the cranial area the step should be not more than 2 mm.

1) For temporal lobe and occipital region defects the layer of tomography should cover healthy area of the skull not less than 2 cm.

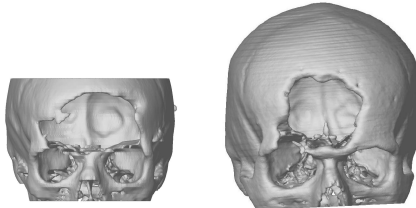


Satisfactory descriptiveness of the tomography

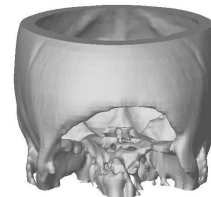


Unsatisfactory descriptiveness of the tomography

2) If it is necessary to restore the eyebrow arches and upper edges of the eye sockets, you must have an image of all sockets volume (up to the lower edge).



Satisfactory descriptiveness of the tomography

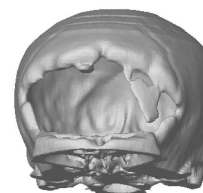


Unsatisfactory descriptiveness of the tomography

3) With extensive defects of the forehead area of the image, you must have an image of the face from the start of the maxilla or lower.

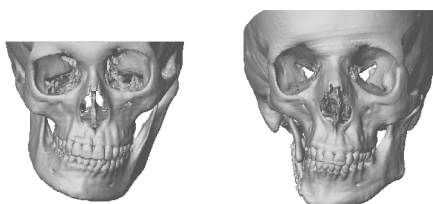


Satisfactory descriptiveness of the tomography

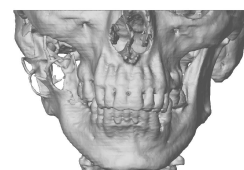


Unsatisfactory descriptiveness of the tomography

4) When creating an implant for the replacement of mandible defects if a possible need of repositioning the mandible position occurs, it is necessary to make an image of the front of the skull that is not below the upper edge of the eye sockets.



Satisfactory descriptiveness of the tomography



Unsatisfactory descriptiveness of the tomography

The main stages of designing and manufacturing the custom made implant

1. It is necessary to do a CT scan of the damaged area (see "CT REQUIREMENTS FOR CUSTOM MADE IMPLANTS").
2. Send the CT information via CD to CONMET (with contact phone of the physician and patient, address of medical institution, the content of the order, the address where to send the order; please specify what screws or tools are needed), or place a CT scan using cloud storage and sharing services, and please send us the link to our e-mail model@conmet.ru .
3. CONMET designers will: handle the data, develop a three-dimensional model projection, and determine the cost of the model and the titanium implant. If necessary, the model and the implant design are agreed with the doctor (by phone, fax, E-mail). After this stage, CONMET sends an invoice to the specified customers' address.
4. After receiving the confirmation of the payment (notice from the bank) the stereolithographic model is made.
5. After completing the model, CONMET manufactures the titanium implant. The time of production is from 2 weeks to a month from the date of payment.
6. Then the implant and the model are sent by express mail to the address that was specified by the customer.

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