

## CHECK LIST ORDER MODELGUIDE

**VALID FOR:** GUIDES UP TO 3 IMPLANTS, 4 IMPLANTS, OVER 4 IMPLANTS, BONE MODEL,  
PERFORATED MODEL FOR ANALOGUES

This check list has the purpose of providing a valid help for the clinician in successfully completing all the steps necessary to issue the order ModelGuide Easy avoiding discomfort or delays.

### TECHNICAL SECTION

- The impression was detected extensively and there are no streaks or distortions.
- Alginates or polyethers were used for cases of partial edentulism while polyethers or polysulphides were used for cases with mobile prostheses. The plaster models (master and duplicate), radiological template were entrusted to a ModelGuide authorised dental technician.
- The strongest undercuts were removed from the master model using only and exclusively wax, this model was used to manufacture the duplicate template.
- The ModelGuide authorised Dental Technician together with the radiological template and the plaster models also delivered the duly completed "Check list of radiological template production".

### CT SCAN

- During the radiological template fixing step - Universal Stent with closing bite of the patient registration material was used (for example polyether) abundantly on both sides of the Universal Stent.
- Clear instructions were given to the patient on how to wear the radiological guide assembled to the Universal Stent during the CT scan.
- The technician who performed the CT scan on the patient followed the directions on the "CT acquisition protocol".

### SOFTWARE DESIGN

- Subsequently to importing the DICOM files inside the implant simulation software the markers of Universal stents were checked to be visible.
- From the various views of the software no visible deformations of the scanned area were found during the CT EXAM.
- In the case of mandibular arch the associated channels were plotted and the collision-closeness with the implants present was assessed. In the case of maxillary arch the position of the implants with respect to the maxillary sinuses was assessed.
- The bone density around each implant was evaluated.
- The "mucosa depth" was assessed (not greater than 5 mm to avoid the bushing-mucosa precontact during the surgical guide positioning).
- The distances between bushings were evaluated and there are no overlaps or contacts between bushings.
- The position of the bushings has been evaluated with respect to the dental elements, avoiding collisions both with the surgical guide in place and in the guide positioning and removal phase
- The locking pins were positioned along the flanges of the guide and not outside in the "vacuum", the tips of the pins reach into the bone but not pass through it. The orientation of the pins, in particular the section angle, is such as to allow an easy operation during the intervention.
- The implant project was exported from the software and burned onto CD-ROM or copied to the USB stick. The burning or copy process has been verified.

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### ORDER

- The BioOrd portal was used to issue the order.
- In the compilation of the order, if present, the following have been indicated: the number of pins used, the number of post-extractives and all the dental elements that will be extracted were listed in the notes.
- In the event of a request for perforated model for analogues this has been specified in the compilation of the order and the size of the analogues used were given.
- The order form was printed, and was signed and stamped.
- In the case where, after issuing the order on the BioOrd portal, the material to be sent to Bionova is not yet ready, it was specified in the order notes indicating day, time and location of the availability for the withdrawal of the material.
- The package to be sent to Bionova contains: master model, duplicate of the master model, radiological template joined to the Universal Stent, CD-ROM drive or USB key of the implant project, "Radiological guide production check list", order form stamped and signed.
- The label with the printable address from the BioOrd portal was affixed on the package to be sent to Bionova or it has been affixed manually (Bionova s.r.l. - Via Trieste 4 - 19020 Follo SP).