

		CHECK LIST (FROM START TO FINISH)								
TDS				SB						
PATIENT										
TYPE OF CASE										
DESIGNER		UNDEFINED								
CROSS CHECK DESIGNER		SARA								
ACTIVITY		DESCRIPTION	COMPLAINT			RESPONSABLE	ANNOTATIONS			
IMAGE QC	DICOM File	DICOM images.	FALSO	FALSO	FALSO	YEISON		A C F O O R O		
		The files are not damaged and can be viewed.	FALSO	FALSO	FALSO			X X X X X X X		
		Case was uploaded in DISRP.	FALSO	FALSO	FALSO			X X X X X X X		
		Recommended field of view (FOV).	FALSO	FALSO	FALSO			X X X X X X X		
		there are graft reconstruction files.	FALSO	FALSO	FALSO			X X X X X		
	Dental models	there are open-mouth and close-mouth files.	FALSO	FALSO	FALSO			X X X X X X X		
		There are Dental models.	FALSO	FALSO	FALSO			X X X X		
		Final occlusion is marked and well identified.	FALSO	FALSO	FALSO			X X X X		
		Teeths are complete - Not broken.	FALSO	FALSO	FALSO			X X X X		
		Final Occlusion is Scanned.	FALSO	FALSO	FALSO			X X X X		
	CT Scans Protocol	Maxillary and Mandible are scanned.	FALSO	FALSO	FALSO			X X X X		
		Imaging scan time according to protocol.	FALSO	FALSO	FALSO			X X X X X X X		
		Matrix 512 x 512.	FALSO	FALSO	FALSO			X X X X X X X		
		Slice Thickness ≤ 1.0mm.	FALSO	FALSO	FALSO			X X X X X X X		
		Slice increment ≤ Slice Thickness.	FALSO	FALSO	FALSO			X X X X X X X		
		RAB Orientation.	FALSO	FALSO	FALSO			X X X X X X X		
		Pixel size.	FALSO	FALSO	FALSO			X X X X X X X		
		Gantry Tilt.	FALSO	FALSO	FALSO			X X X X X X X		
		no presence of motion in region of interest.	FALSO	FALSO	FALSO			X X X X X X X		
		Axial slices.	FALSO	FALSO	FALSO			X X X X X X X		
	R/L Indication.	FALSO	FALSO	FALSO			X X X X X X X			
	SEGMENTATION	Type of Segmentation	Segmentation was executed with script.	FALSO	FALSO		FALSO	UNDEFINED		X X X X X X X
			Segmentation was done manually.	FALSO	FALSO		FALSO			X X X X X X X
		Parameters for Segmentation	Segmentation includes bone.	FALSO	FALSO		FALSO			X X X X X X X
			Segmentation includes teeth roots.	FALSO	FALSO		FALSO			X X X X X
			Segmentation includes soft tissue.	FALSO	FALSO		FALSO			X X X X X X X
			Segmentation includes nerve.	FALSO	FALSO		FALSO			X X X X X
Segmentation includes metals.			FALSO	FALSO	FALSO		X X X X X X X			
The bones are separated.			FALSO	FALSO	FALSO		X X X X X			
Initial Presentation.			FALSO	FALSO	FALSO		X X X X X X X			
The DISRP STLs were saved in the Design folder.			FALSO	FALSO	FALSO		X X X X X X X			
Initial State is updated in DISRP.	FALSO	FALSO	FALSO		X X X X X X X					
PRE-PLANNING	Requeriment of the Customer	Existence of the planning official document, signed by the surgeon of the case.	FALSO	FALSO	FALSO	UNDEFINED		X X X X X X X		
		The official document contains all the movements required by the surgeon.	FALSO	FALSO	FALSO			X X X X X X X		
		Coincidence between what was requested in the official document and what was executed (movements).	FALSO	FALSO	FALSO			X X X X X X X		
	Orientation	The 3Matic file includes all three orientation planes. (Frankfurt, Midline, Coronal).	FALSO	FALSO	FALSO			X X X X X X X		
		The case required the orientation planes.	FALSO	FALSO	FALSO			X		
		The case is oriented.	FALSO	FALSO	FALSO			X X X X X X X		
		The case is reduced and cleaned to remove noise and unnecessary parts .	FALSO	FALSO	FALSO			X X X X X X X		
		Dental cast registration to the Anatomy.	FALSO	FALSO	FALSO			X X X X		
		Osteotomies planes.	FALSO	FALSO	FALSO			X X X X X X X		
		Final occlusion registration.	FALSO	FALSO	FALSO			X X X X X X X		

PLANNING - Cross check	Movement	Check that the Movements coincide with those described in the meeting form.	FALSO	FALSO	FALSO			* * * * *
		Check (cut plane, measurement, fixing point).	FALSO	FALSO	FALSO			X X X X X X
		Check ( measurement of dental roots, mentonian nerve, infraorbital nerve, wedges).	FALSO	FALSO	FALSO			X
		Check Movements were approved by the surgeon.	FALSO	FALSO	FALSO			X X X X X X
DESIGN Cross Check	Design Process	Check cutting surgical guide.	FALSO	FALSO	FALSO	SUSANA HENAO		X X X X X X X
		Check position surgical guide.	FALSO	FALSO	FALSO			X X X X X X X
		Check Cranioplasty of titanium.	FALSO	FALSO	FALSO			X X X X X X X
		Check Cranioplasty of PEEK.	FALSO	FALSO	FALSO			X
		Check Cranioplasty of PMMA.	FALSO	FALSO	FALSO			X
		Check Facial implant of PEEK.	FALSO	FALSO	FALSO			X
		Check Facial implant of PMMA.	FALSO	FALSO	FALSO			X X X
		Check Facial implant of Titanium.	FALSO	FALSO	FALSO			X X
		Check the thickness and unique fit.	FALSO	FALSO	FALSO			X X X X X X
		Check the assembly If the implant is divided into parts.	FALSO	FALSO	FALSO			X X X X X X X
		Check the height of the polyethylene, the attachment, the number of fixings and their location Glenoid cavity design.	FALSO	FALSO	FALSO			X X X
		Check the thickness, the attachment, the number of fixations and their location, Design of the condyle.	FALSO	FALSO	FALSO			X X X
		Check fixation points that match stable bone and do not interfere with important anatomical parts.	FALSO	FALSO	FALSO			X X X X X
		Check the intermediate splint (maxillary or mandibular first).	FALSO	FALSO	FALSO			X X X X X
		Check the final occlusion and the final splint.	FALSO	FALSO	FALSO			X X X X X
		Check Thickness at critical points is not too low (minimum= 0.8mm).	FALSO	FALSO	FALSO			X X X X X X
		Check that all parts have the label to identify the patient case number (TDS or SB).	FALSO	FALSO	FALSO			X X X X X X X
		Check the thickness of the plate, unique fit and fixation system (type and diameter of the screw).	FALSO	FALSO	FALSO			X X X X X
		Check that screw head is not protruding. In case this is unavoidable, please mention it.	FALSO	FALSO	FALSO			X X X X X X X
		Check for errors (bad contours, intersecting triangles, etc) before exporting .STL file.	FALSO	FALSO	FALSO			X X X X X X X
		Check Design proposal was approved by surgeon.	FALSO	FALSO	FALSO			X X X X X X X
		Check the number of STL files to be printed for the case.	FALSO	FALSO	FALSO			X X X X X X X
		Check Final presentation.	FALSO	FALSO	FALSO			X X X X X X X
MANUFACTURING	Design for Manufacturing	Check the number of STL files to be shared with manufacturing engineer.	FALSO	FALSO	FALSO	UNDEFINED		X X X X X X X
		Check the orientation and get them verified by programmer for their manufacturability.	FALSO	FALSO	FALSO			X X X X X X X
		Check there are enough clamping support cylinders.	FALSO	FALSO	FALSO			X X X X X X X
		Check there are drilling angulation cylinders.	FALSO	FALSO	FALSO			X X X X X X X
	3D Printing Process if manufactured in Daytona	Check the Drilling guide.	FALSO	FALSO	FALSO	UNDEFINED		X X X X X X X
		Visual comparison of .STL models with pictures.	FALSO	FALSO	FALSO			X X X X X X X
		Drill guide holes check in .STL model.	FALSO	FALSO	FALSO			X X X X X X X
		Check for the minimum thickness of the model (less than 0.8mm).	FALSO	FALSO	FALSO			X X X X X X X
		Confirm that you have selected the right resin for the print.	FALSO	FALSO	FALSO			X X X X X X X
		Resolution as per validated parameters (50/100 µm).	FALSO	FALSO	FALSO			X X X X X X X
		Confirm that the print includes the calibration cube.	FALSO	FALSO	FALSO			X X X X X X X
		Minimal support structure on mating surfaces.	FALSO	FALSO	FALSO			X X X X X X X
	Top CNC Programming	Right machine for wash.	FALSO	FALSO	FALSO	UNDEFINED		X X X X X X X
		Check for the design wrap of .STL model & confirmr if the big tool will work or not.	FALSO	FALSO	FALSO			X X X X X X X
		Make sure that there are enough tabs.	FALSO	FALSO	FALSO			X X X X X X X
		Try to put tabs on the outer surface to keep the integrity of the mating surface.	FALSO	FALSO	FALSO			X X X X X X X
		Check the orientation of the parts in the raw material to make sure it can be machined and drilled at that angle.	FALSO	FALSO	FALSO			X X X X X X X
		For top machining Z should be the lowest point of the material.	FALSO	FALSO	FALSO			X X X X X X X
		Top program reference should be G54.4.	FALSO	FALSO	FALSO			X X X X X X X
		Make sure that the tool can stickout far enough.	FALSO	FALSO	FALSO			X X X X X X X
	Bottom CNC Programming	Include washer pads of 0.5mm (NOTE: Washer thickness 1.93mm).	FALSO	FALSO	FALSO	UNDEFINED		X X X X X X X
		Retrat height should be high enough (2 inches) to avoid collision with clamps.	FALSO	FALSO	FALSO			X X X X X X X
		Include marks before using a drill to make a hole in order to avoid slipping of tool.	FALSO	FALSO	FALSO			X X X X X X X
		Make sure machine can drill hole at perticular angle.	FALSO	FALSO	FALSO			X X X X X X X
		(X:Y) at center of the dowel pin & Z on top of the fixture plate.	FALSO	FALSO	FALSO			X X X X X X X
		Extra material location & how much material.	FALSO	FALSO	FALSO			X X X X X X X
		Check extra material left after machining.	FALSO	FALSO	FALSO			X X X X X X X
		Record simulation video and send it with program & program sheet.	FALSO	FALSO	FALSO			X X X X X X X
QUALITY CONTROL	Delivery	If any extra material needed to be removed manually, attach images with location and depth.	FALSO	FALSO	FALSO	UNDEFINED		X X X X X X X
		Record simulation video and send it with program & program sheet.	FALSO	FALSO	FALSO			X X X X X X X
		Quality Check list.	FALSO	FALSO	FALSO			X X X X X X X
		Parts were approved by quality control.	FALSO	FALSO	FALSO			X X X X X X X
		Sent to the customer.	FALSO	FALSO	FALSO			X X X X X X X