

R2GATE REPORT

Information

 Clinic	MM
 Project Name	mandíbula axa abutments
 OP Date	2025-12-04
 Tooth No.	#33, #35, #37, #43, #45, #47

Design Center

 Designer	MIKI MURUA
 Contact	+34630691136

※ limitation on liability

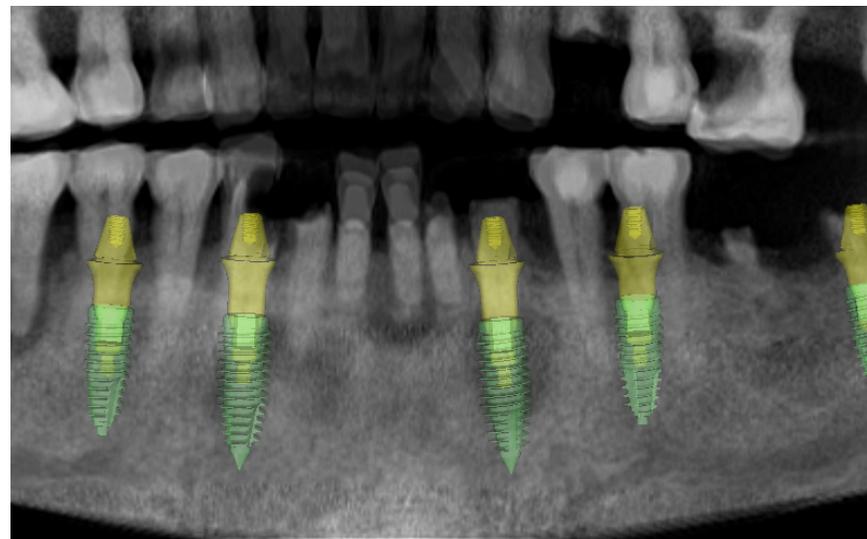
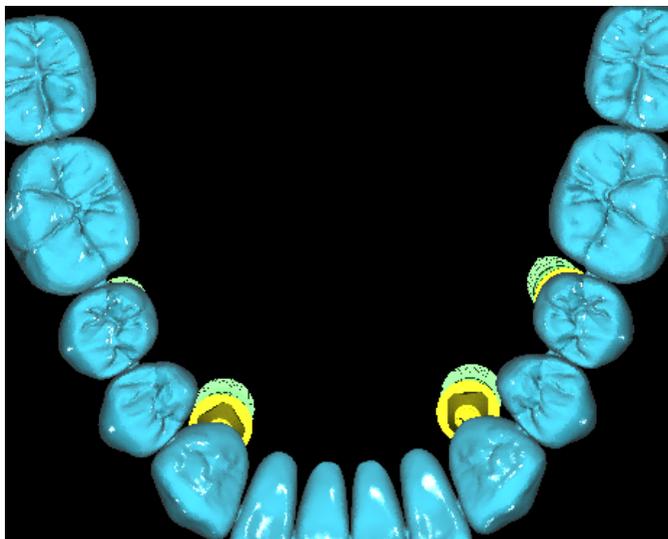
This report has been prepared based on the surgical plan suggested and confirmed by the customer(Clinician). Therefore, the customer (clinician) is responsible for the use of the manufactured surgical guide and the surgical result.

Teeth numbering system for this report that you have set in R2GATE is "International Numbering System."

Note

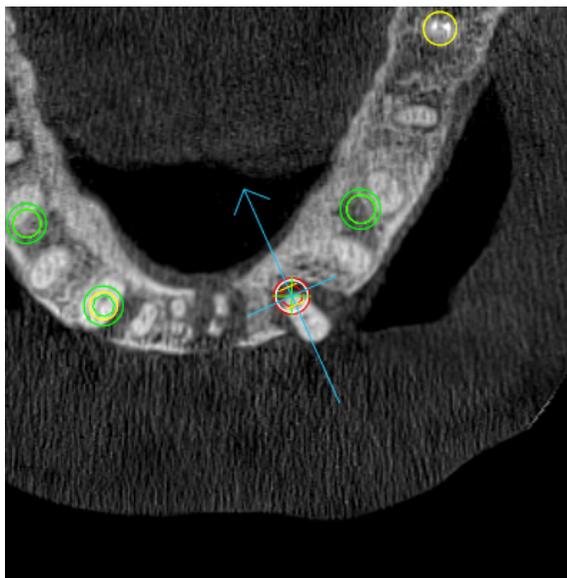
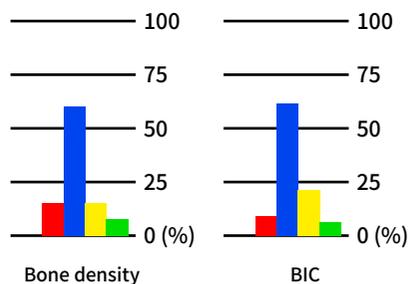
IF POSSIBLE, TO USE 15 MM DT IMPLANTS IN POSITIONS 33 AND 43

Over view

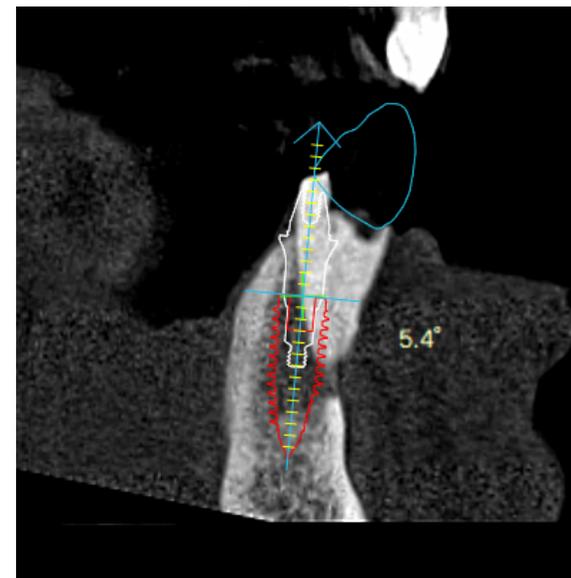


Tooth No : #33

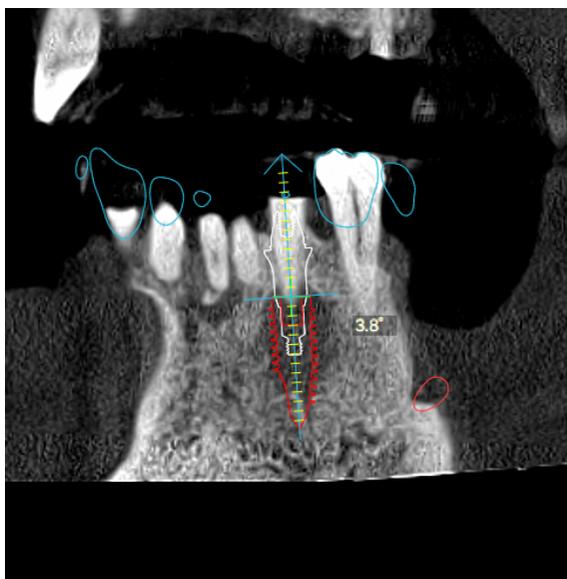
Company : MegaGen
 Implant : BLUEDIAMOND (DT)
 Diameter : 4.1 mm
 Length : 13.0 mm
 Abutment : AXA abutment (BD RC)
 D/C/A : 5.0 / 5.0 / 0.0
 Bone density : D1



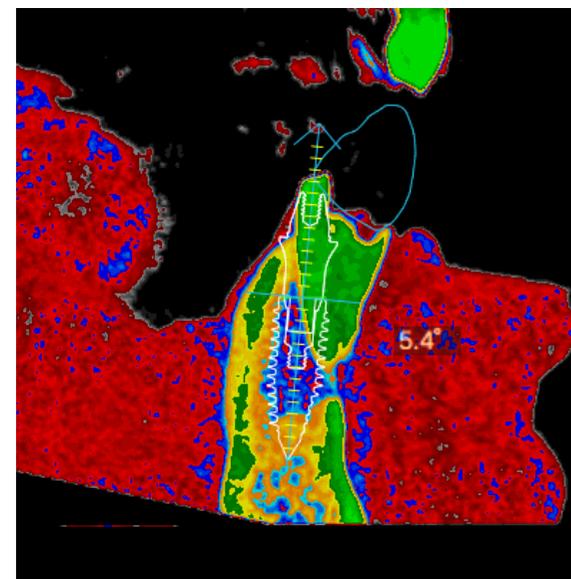
Horizontal



Sagittal



Frontal



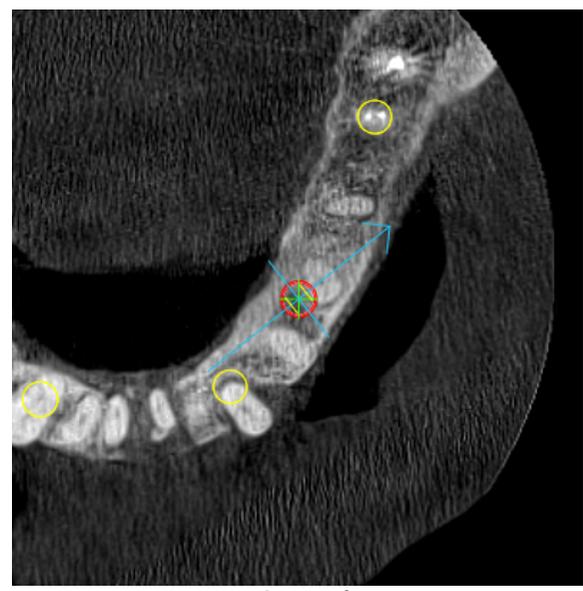
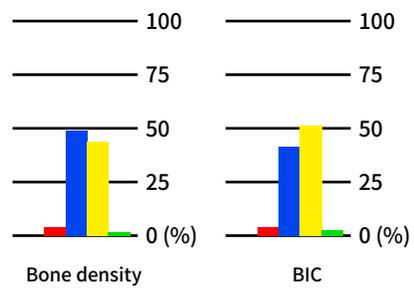
Sagittal(Digital-Eye)

		Stopper Drill								Cortical Bone Drill					Tap Drill				
initial	2nd	2.0	2.5	2.9	3.3	3.6	3.9	4.3	CD33	CD37	CD41	CD44	CD48	TD33	TD37	TD41	TD44	TD48	
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* BIC : Bone to Implant Contact

Tooth No : #35

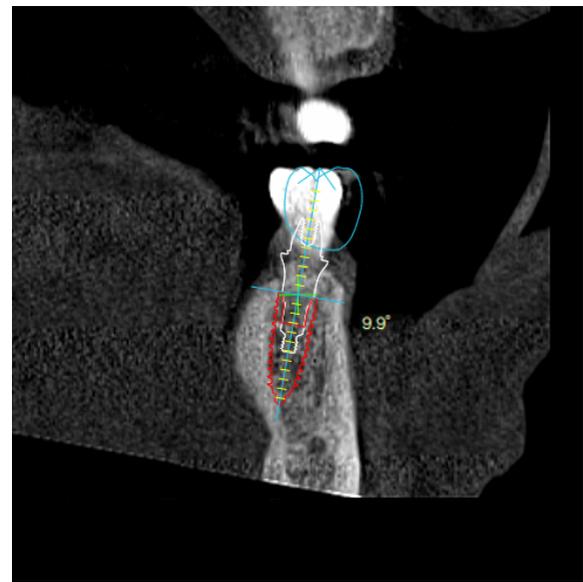
Company : MegaGen
 Implant : BLUEDIAMOND
 Diameter : 4.1 mm
 Length : 11.5 mm
 Abutment : AXA abutment (BD RC)
 D/C/A : 5.0 / 4.0 / 0.0
 Bone density : D1



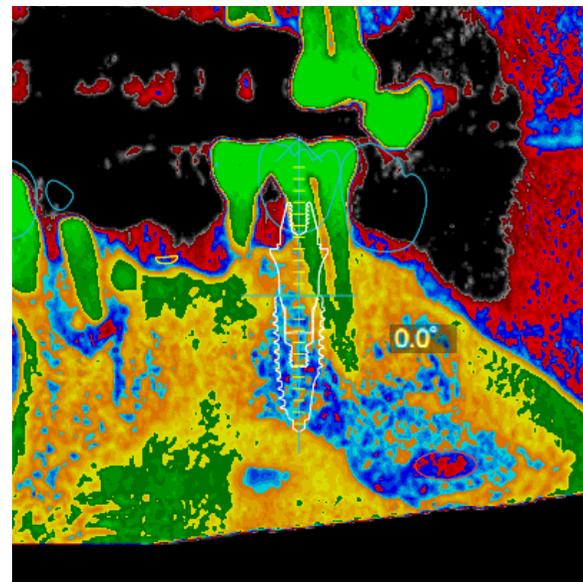
Horizontal



Sagittal



Frontal



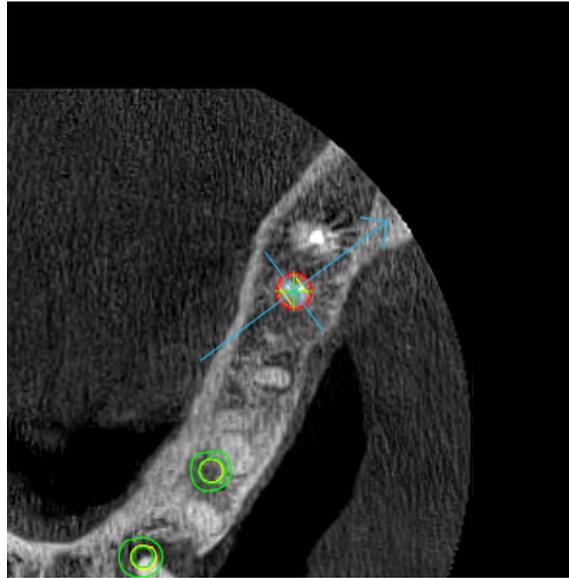
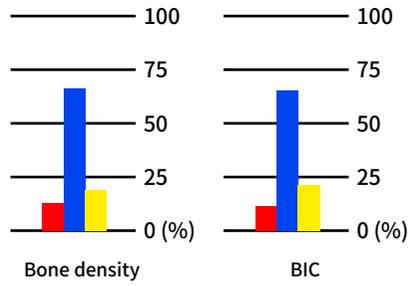
Sagittal(Digital-Eye)

initial	2nd	Stopper Drill								Cortical Bone Drill					Tap Drill				
		2.0	2.5	2.9	3.3	3.6	3.9	4.3	CD33	CD37	CD41	CD44	CD48	TD33	TD37	TD41	TD44	TD48	
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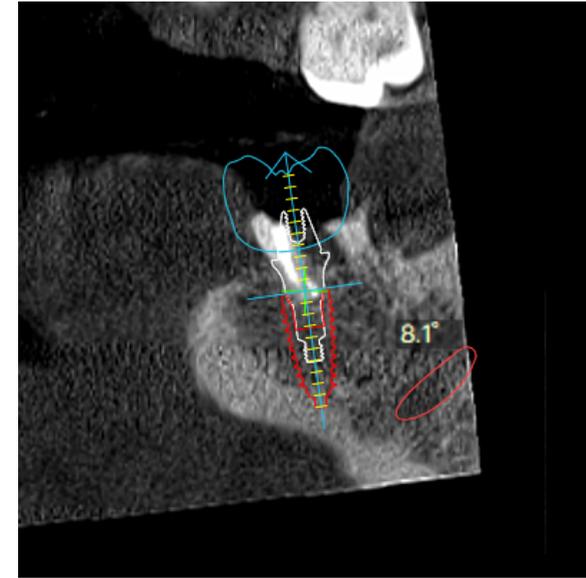
* BIC : Bone to Implant Contact

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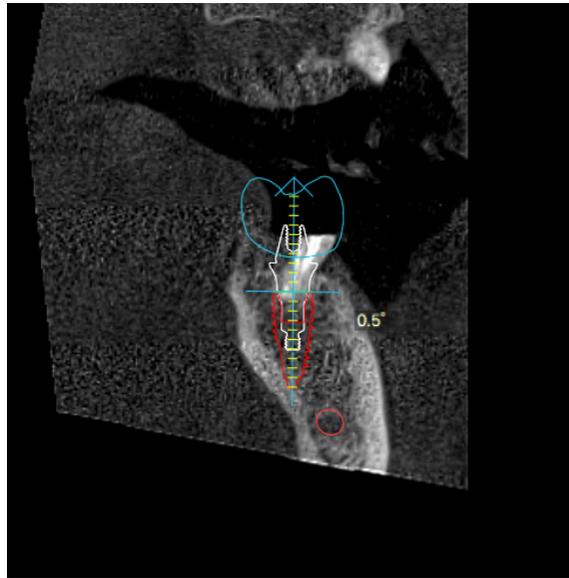
Company : MegaGen
 Implant : BLUEDIAMOND
 Diameter : 4.1 mm
 Length : 10.0 mm
 Abutment : AXA abutment (BD RC)
 D/C/A : 5.0 / 3.0 / 0.0
 Bone density : D2



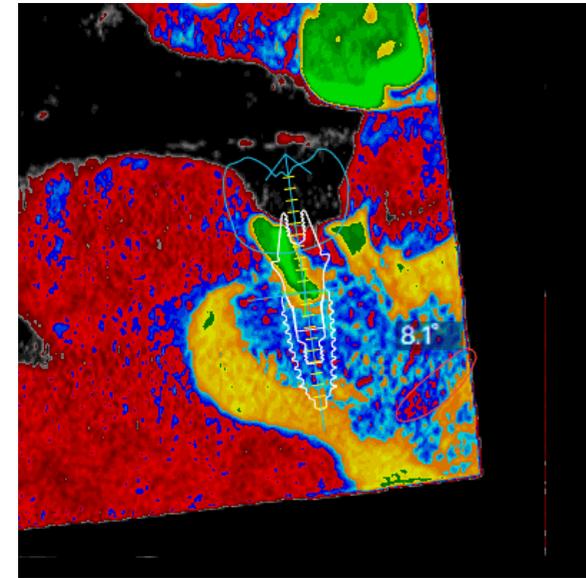
Horizontal



Sagittal



Frontal



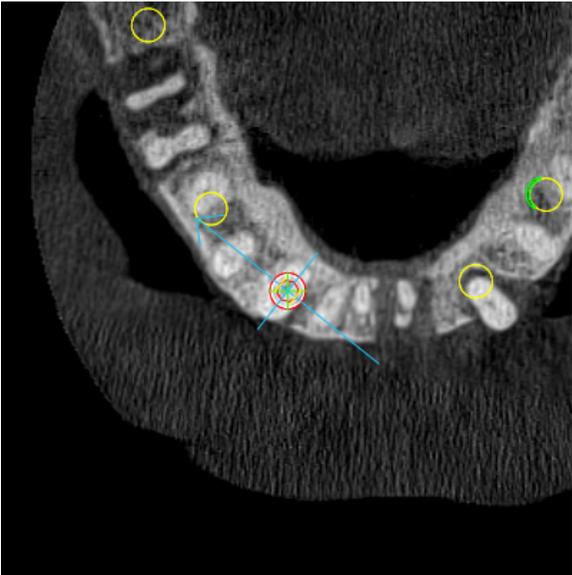
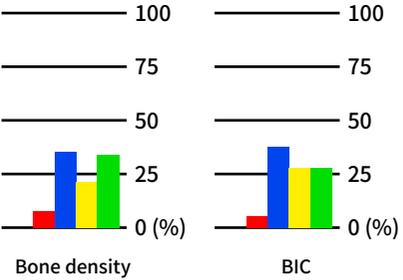
Sagittal(Digital-Eye)

initial	2nd	Stopper Drill								Cortical Bone Drill					Tap Drill				
		2.0	2.5	2.9	3.3	3.6	3.9	4.3	CD33	CD37	CD41	CD44	CD48	TD33	TD37	TD41	TD44	TD48	
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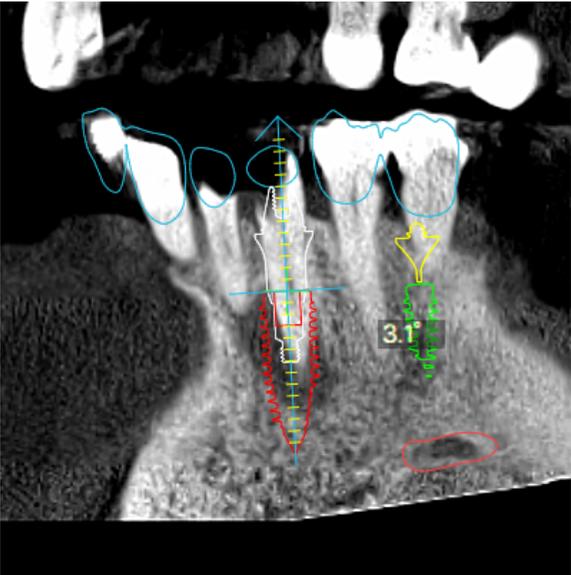
* BIC : Bone to Implant Contact

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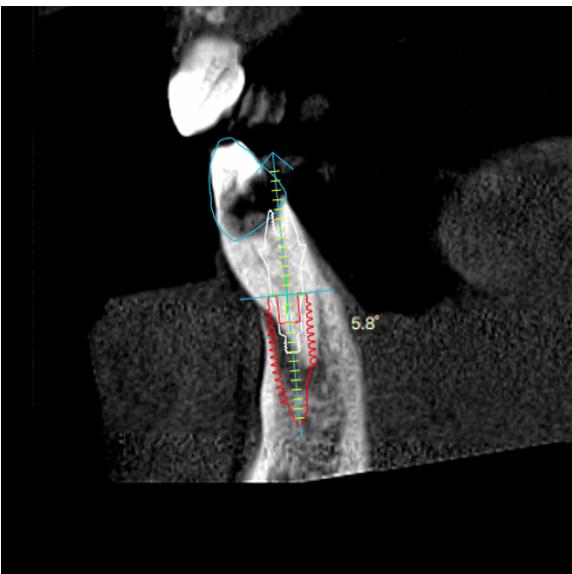
Company : MegaGen
 Implant : BLUEDIAMOND (DT)
 Diameter : 4.1 mm
 Length : 13.0 mm
 Abutment : AXA abutment (BD RC)
 D/C/A : 5.0 / 5.0 / 0.0
 Bone density : D1



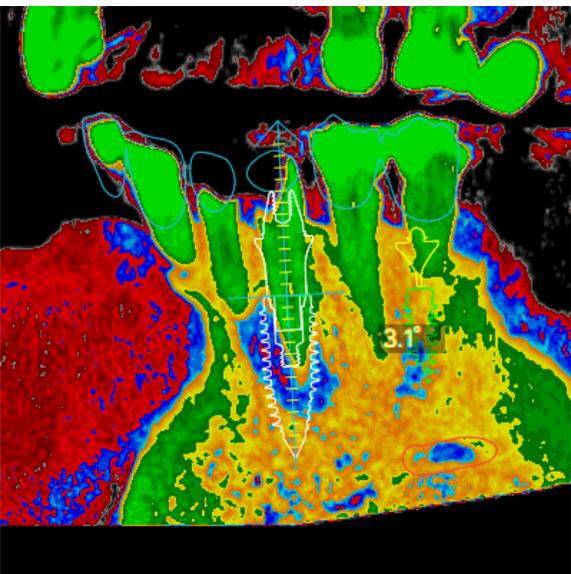
Horizontal



Sagittal



Frontal



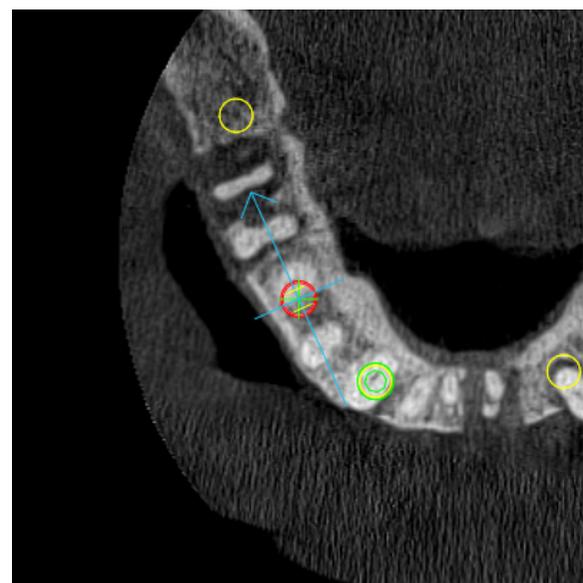
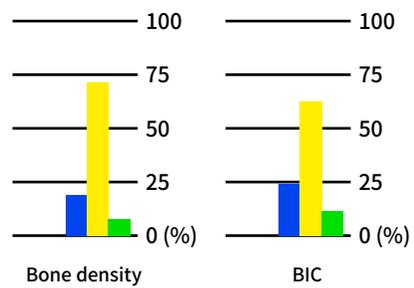
Sagittal(Digital-Eye)

		Stopper Drill								Cortical Bone Drill					Tap Drill				
initial	2nd	2.0	2.5	2.9	3.3	3.6	3.9	4.3	CD33	CD37	CD41	CD44	CD48	TD33	TD37	TD41	TD44	TD48	
●	●	●	●	●	●	●	-	-	-	-	●	-	-	-	-	●	-	-	

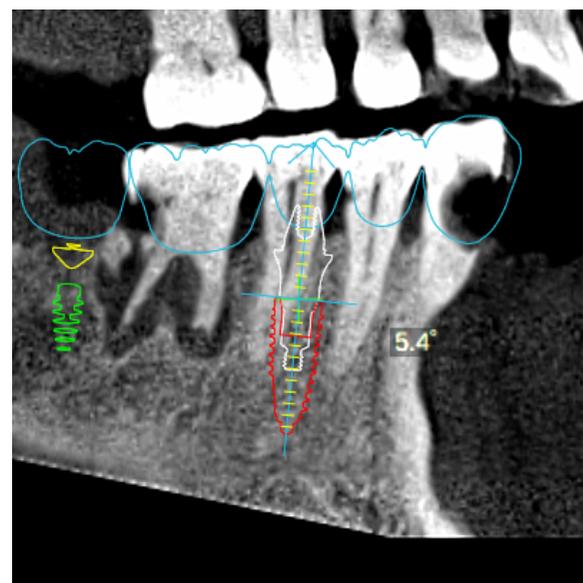
* BIC : Bone to Implant Contact

Tooth No : #45

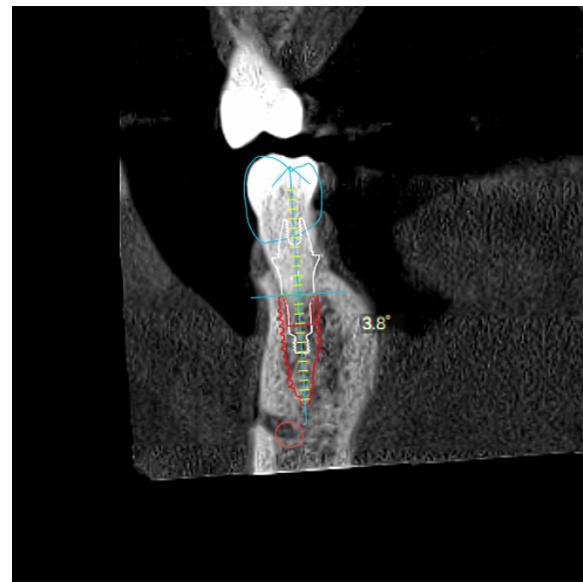
Company : MegaGen
 Implant : BLUEDIAMOND
 Diameter : 4.1 mm
 Length : 11.5 mm
 Abutment : AXA abutment (BD RC)
 D/C/A : 5.0 / 4.0 / 0.0
 Bone density : D1



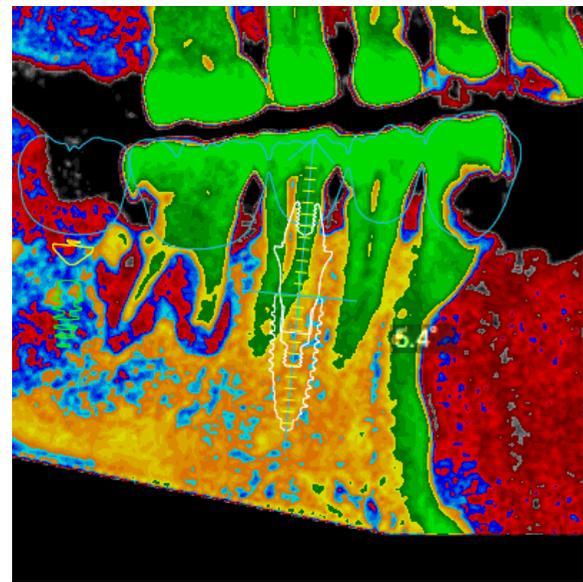
Horizontal



Sagittal



Frontal



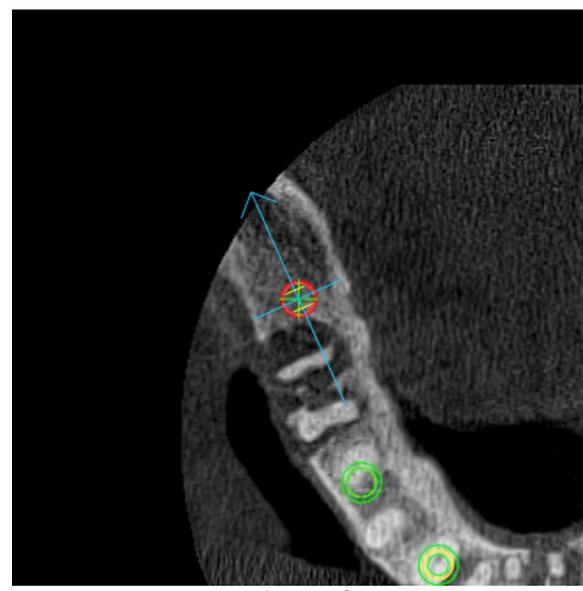
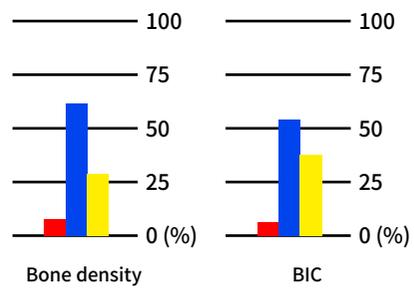
Sagittal(Digital-Eye)

		Stopper Drill								Cortical Bone Drill					Tap Drill				
initial	2nd	2.0	2.5	2.9	3.3	3.6	3.9	4.3	CD33	CD37	CD41	CD44	CD48	TD33	TD37	TD41	TD44	TD48	
●	●	●	●	●	●	●	-	-	-	-	●	-	-	-	-	●	-	-	

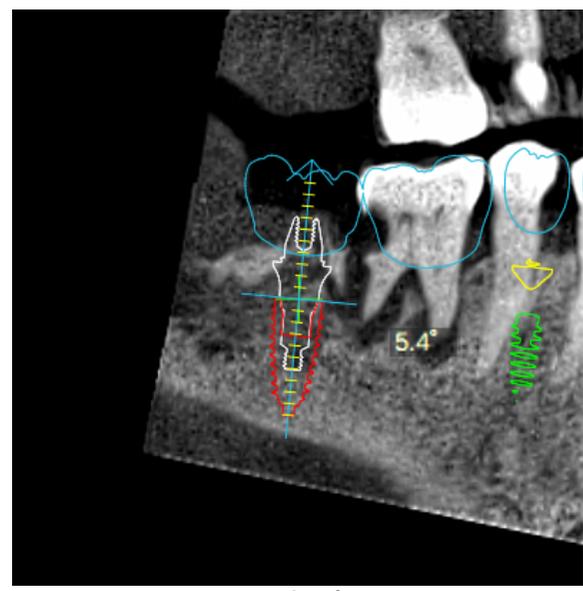
* BIC : Bone to Implant Contact

Tooth No : #47

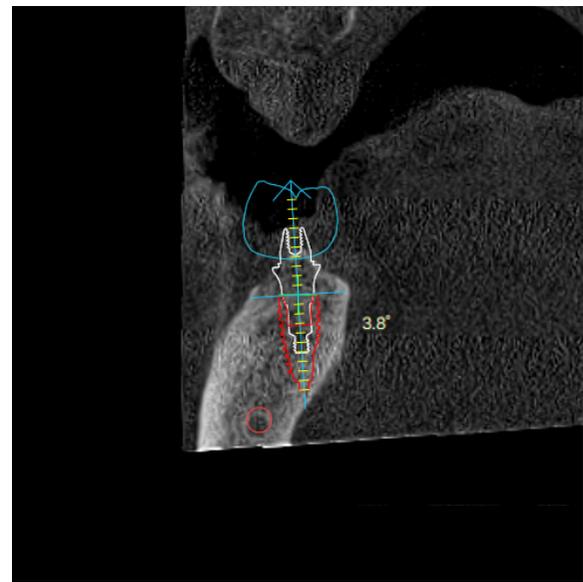
Company : MegaGen
 Implant : BLUEDIAMOND
 Diameter : 4.1 mm
 Length : 10.0 mm
 Abutment : AXA abutment (BD RC)
 D/C/A : 5.0 / 3.0 / 0.0
 Bone density : D1



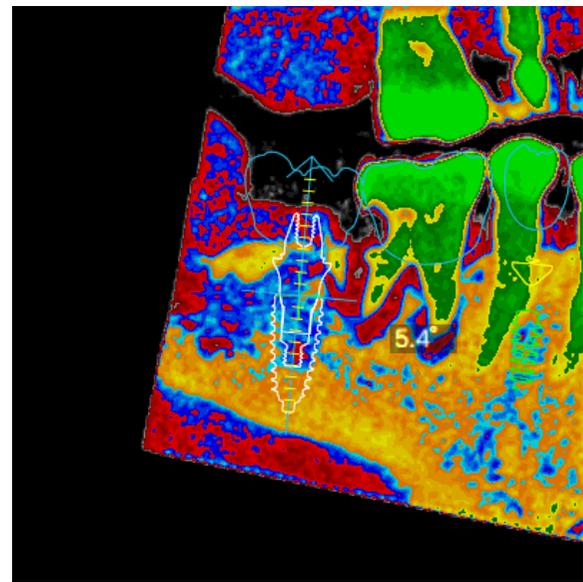
Horizontal



Sagittal



Frontal



Sagittal(Digital-Eye)

		Stopper Drill								Cortical Bone Drill					Tap Drill				
initial	2nd	2.0	2.5	2.9	3.3	3.6	3.9	4.3	CD33	CD37	CD41	CD44	CD48	TD33	TD37	TD41	TD44	TD48	
●	●	●	●	●	●	●	-	-	-	-	●	-	-	-	-	●	-	-	

* BIC : Bone to Implant Contact



Surgical Drilling Sequence

Caution:

This drill sequence is based on the R2 Guide Kit and may differ from other guide kits.

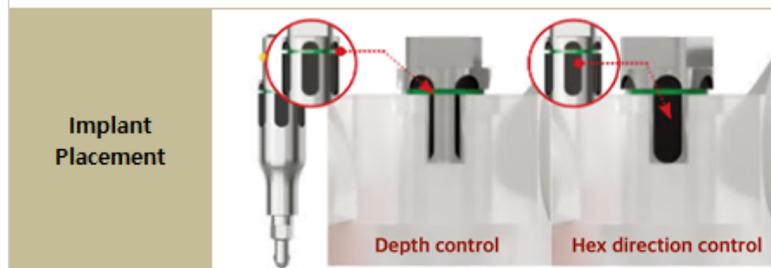
R2Guide Kit	Initial Drill	2nd Drill	D 2.0	D 2.5	D 2.8	Stopper Drill	Cortical Drill	Implant Carrier
Drilling Sequence								
	Use the initial drill to determine the drilling position.	Use the 2nd drill to enlarge the depth and diameter of the drilled hole.	Select a drill that matches the length of the fixture to be placed, and perform sequential drilling with 2.0, 2.5, and 2.8 drills according to bone quality.			Depending on the diagnosis, perform additional drilling using the corresponding final drill.	Use in cases of thick cortical bone or when the implant placement position is deep.	After connecting the implant to the implant carrier, place the implant using the handpiece adaptor.

Notice	●	Full depth Drilling	Perform full-depth drilling up to the stopper.
	◐	Half depth Drilling	Perform full-depth drilling using the 7mm drill of the indicated diameter.
	!!	Option Drilling	Additional drilling may be selected depending on bone density and the diameter of the fixture to be placed.
	Second Drill		The second drill facilitates the entry of the next drill and removes bone around the fixture platform, making abutment connection (e.g., healing abutment) easier. In cases of high bone density where full-depth second drilling is not possible due to cortical bone resistance, complete the drilling sequence to the final drill, then perform the second drilling again.

Recommended Drilling Speed

500 ~ 800 RPM

Be sure to start at low speed only after the guide part of the drill is inserted into the stent hole.



After connecting the implant to the implant carrier, place the implant using the handpiece adaptor. The recommended torque is 50 N.

If proper drilling has been performed, the guide line on the implant carrier will stop 1 mm above the stent window border.

After removing the handpiece adaptor, finalize implant placement up to the guide line using a torque wrench.

If the engine stops when the guide line on the implant carrier is more than 2 mm above the vertical boundary of the guide, remove the fixture and perform additional drilling.