

DENTAL REPORT

Name : Michael Johnson

Sex : Male

DOB : 23-Feb-1950

I. DIAGNOSIS

Upper Jaw

- Dental bridge that extends from #15 to #23 was broken
- Teeth #15, #14, #22 and #23: only the roots are left. Radiograph revealed huge periapical infection around the roots. No abscess hole was present.
- Bridge #24 and #25: the porcelain layer was chipped
- Tooth #17: over-erupted about 2mm and took over the room for restoration of tooth #45. The mesio-occlusal site was heavily filled with amalgam. It is suspected that the pulp chamber was compromised.
- Tooth #26: still strong, the edge of the filling at mesio-occlusal site was leaked
- Severe bone loss due to periapical infection for a long time

Lower Jaw

- Tooth #32: CT scan revealed that the ligament was stretched
- Tooth #34: partial broken. Patient experienced pain while it was being tapped both vertically and horizontally. CT scan revealed a periapical infection with the size of 2.34 mm x 3.51 mm x 3.91mm
- Tooth #44: partial broken. Patient experienced pain while it was being tapped both vertically and horizontally. Patient mentioned that the root canal treatment was done before, however, it was not completed. CT scan revealed a periapical infection with the size of 4.64 mm x 3.68 mm x 3.66mm
- Dental bridge that #45 - #46: porcelain layer was moderately chipped
- Teeth #33, #32, #31, #41, #42 and #43: occlusal surfaces were worn down. Patient did not experience any sensitivity.

- Teeth #32, #31, #41 and #42: mobility of about 1mm
- Teeth #33 and #43: mobility of less than 1mm
- Anterior teeth: slight underbite

II. TREATMENTS

Upper Jaw: it is suggested to have all of the teeth extracted and have total reconstruction done with All on 4 dental implant solution.

Lower Jaw

- Tooth #34: have it extracted and restored with dental implant
- Tooth #44: root canal needs to be treated and the infection needs to be monitored.
- Dental bridge #45 - #46: the bridge should be replaced
- Teeth #33, #32, #31, #41, #42 and #43: deep cleaning
- Missing teeth #35 and #36: restored with dental implant
- After the works have been completed, patient can consider having all of the capped with porcelain crowns to improve the overall aesthetics

III. TREATMENT COST AND TIME-FRAME

1. First stage

The following works would be done:

- All of the teeth on upper jaw are extracted
- Upper denture is made
- Four dental implants are placed on upper jaw (*)
- Root canal treatment is done for #44
- Deep cleaning done for lower teeth
- Tooth #34 is extracted
- Implants are placed for missing teeth #34 and #36

Procedure	Tooth #	Unit price	Quantity	Sub-total
All of 4 first stage	Upper jaw		1	
Bone grafting	Upper jaw		1	
Root canal treatment	44		1	
Deep cleaning	33, 32, 31, 41, 42, 43		6	
Tooth extraction	34		1	
Nobel BioCare dental implant	34, 36		2	
Bone grafting	34, 36		2	

Time required:

- Root canal treatment: about 2 appointments
- 1st stage of All on 4: 4 appointments within about 7 days

(*) REMARK

Normally, the denture will be fixed to 4 implants on upper jaw immediately after the surgery. However, due to severe bone loss, the 4 implants would not be able to support the denture immediately after the surgery. Therefore, it would be worn as a normal denture.

2. Second stage (4 – 6 months later)

The following works would be done:

- A porcelain bridge is made and fitted on the 4 implants on upper jaw
- Tooth #44 is capped
- Bridge #45 - #46 is replaced
- (Optional) Teeth #33, #32, #31, #41, #42 and #43 are capped with porcelain crowns
- Teeth #34, #35 and #36: a 3-unit-bridge is made and fitted on two implants #34 and #36.

Procedure	Tooth #	Unit price	Quantity	Sub-total
All of 4 porcelain bridge	Upper jaw		1	
Porcelain crown	44		1	
Bridge removal	45 – 46		2	

Porcelain bridge	45 – 46		1	
3-unit-bridge on implants (PFM)	34, 35, 36		1	
(Optional) Porcelain crown	33, 32, 31, 41, 42, 43		6	

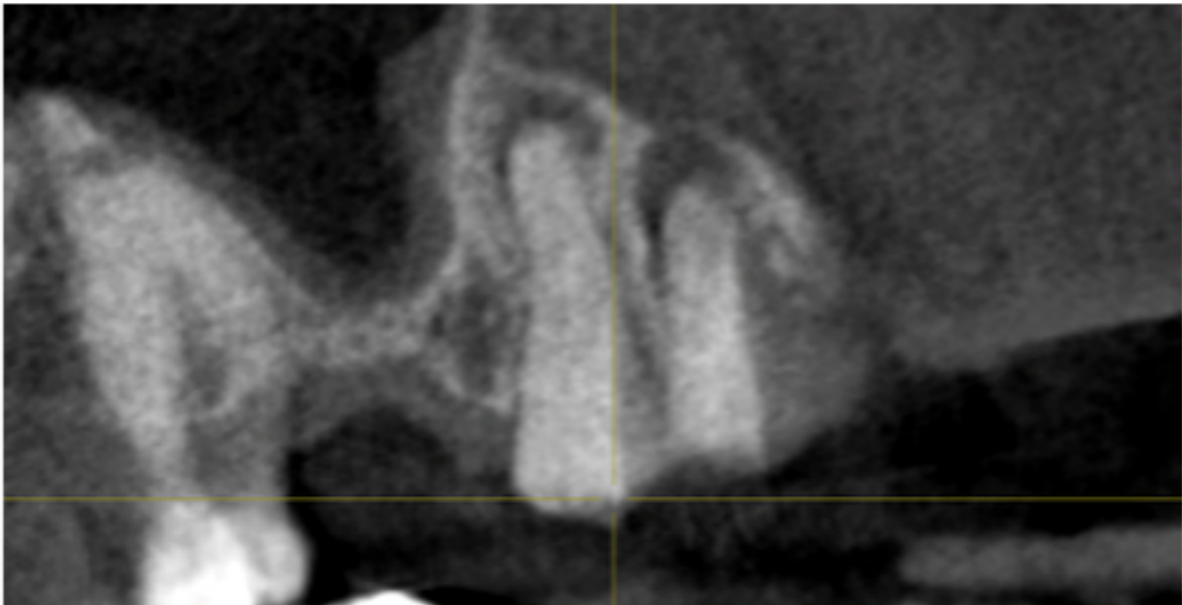
Time required: about 5 – 6 appointments within about 14 days.

APPENDIX I. PHOTOGRAPH



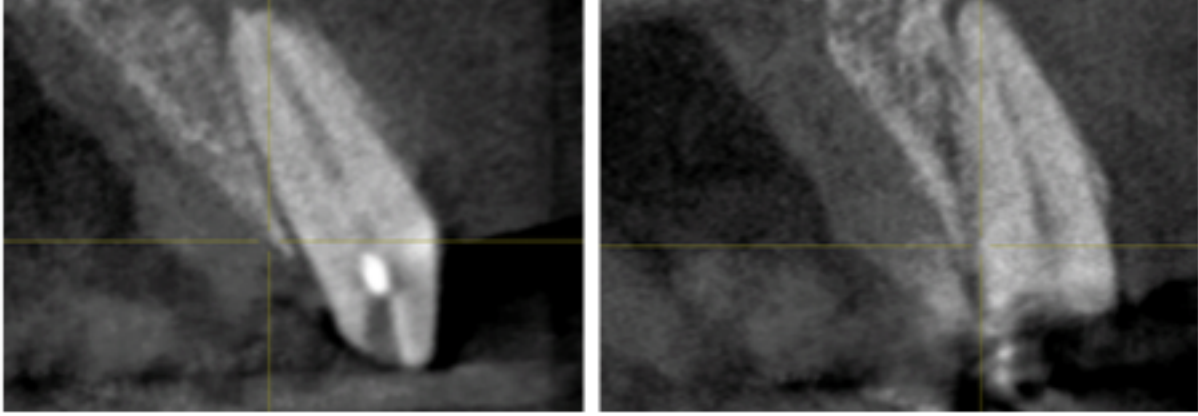


APPENDIX II. RADIOGRAPH

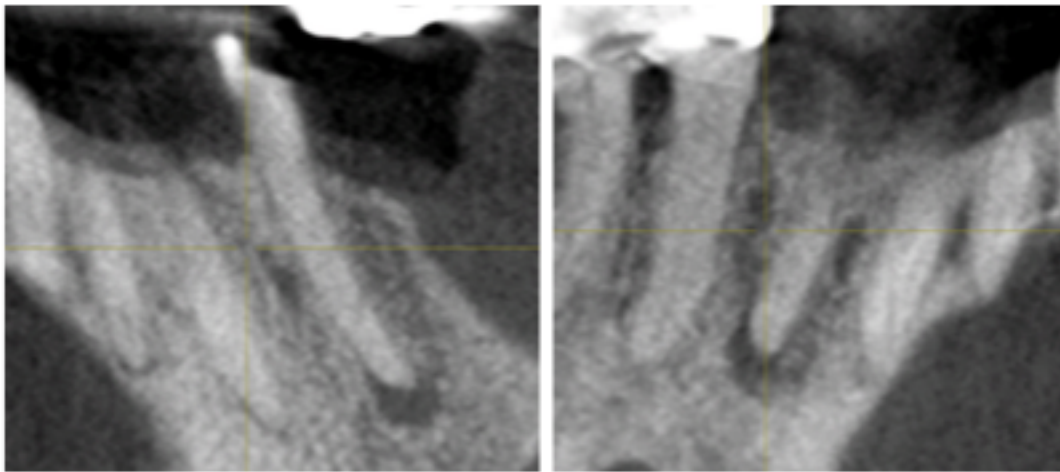


Periapical under the roots of #15, #14





Infection under the roots of #22 and #23



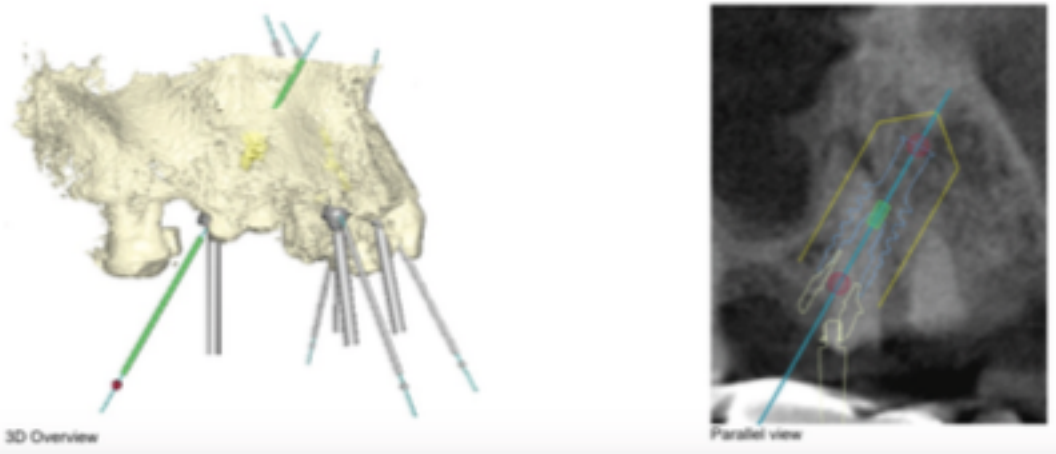
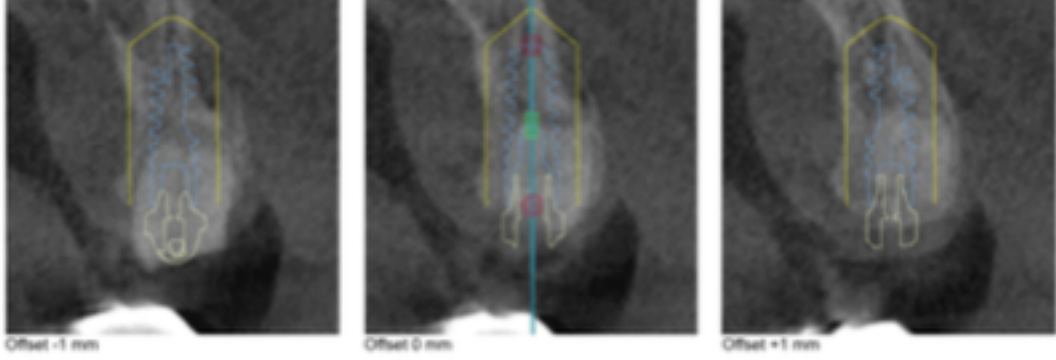
Infection under the roots of #34 and #44

APPENDIX III. SIMULATION OF THE IMPLANT PLACEMENT

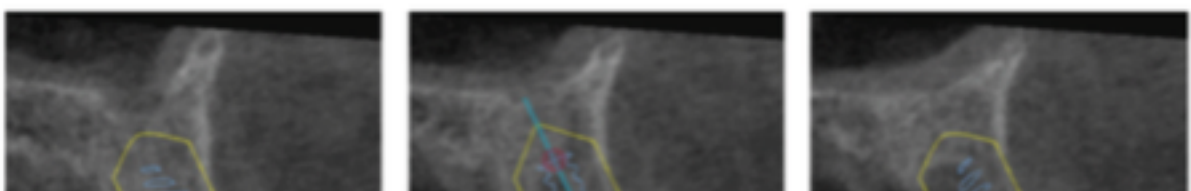


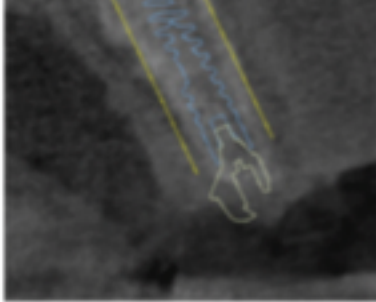
4 implants will be placed on upper jaw



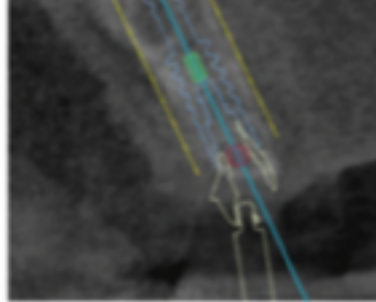


An implant will be placed at #15

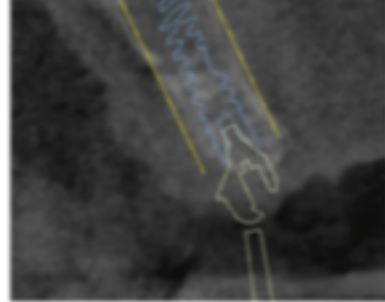




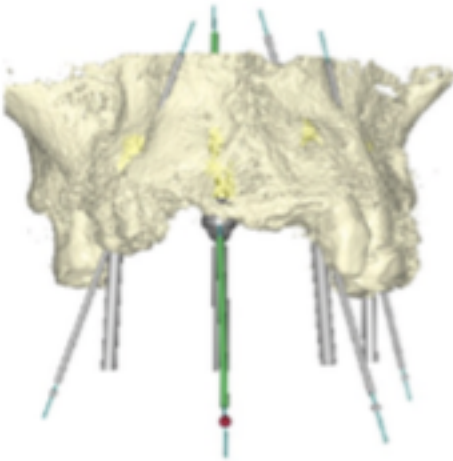
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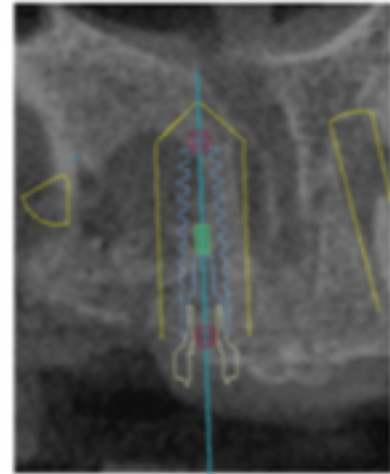
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Offset +1 mm

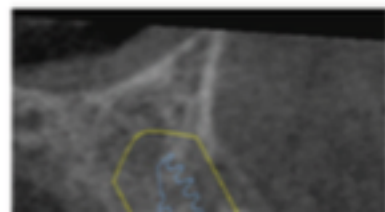
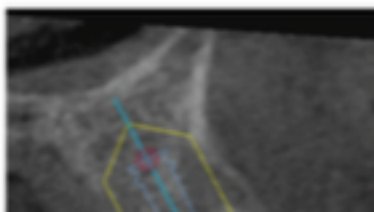
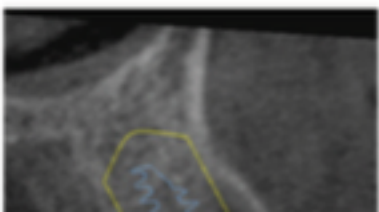


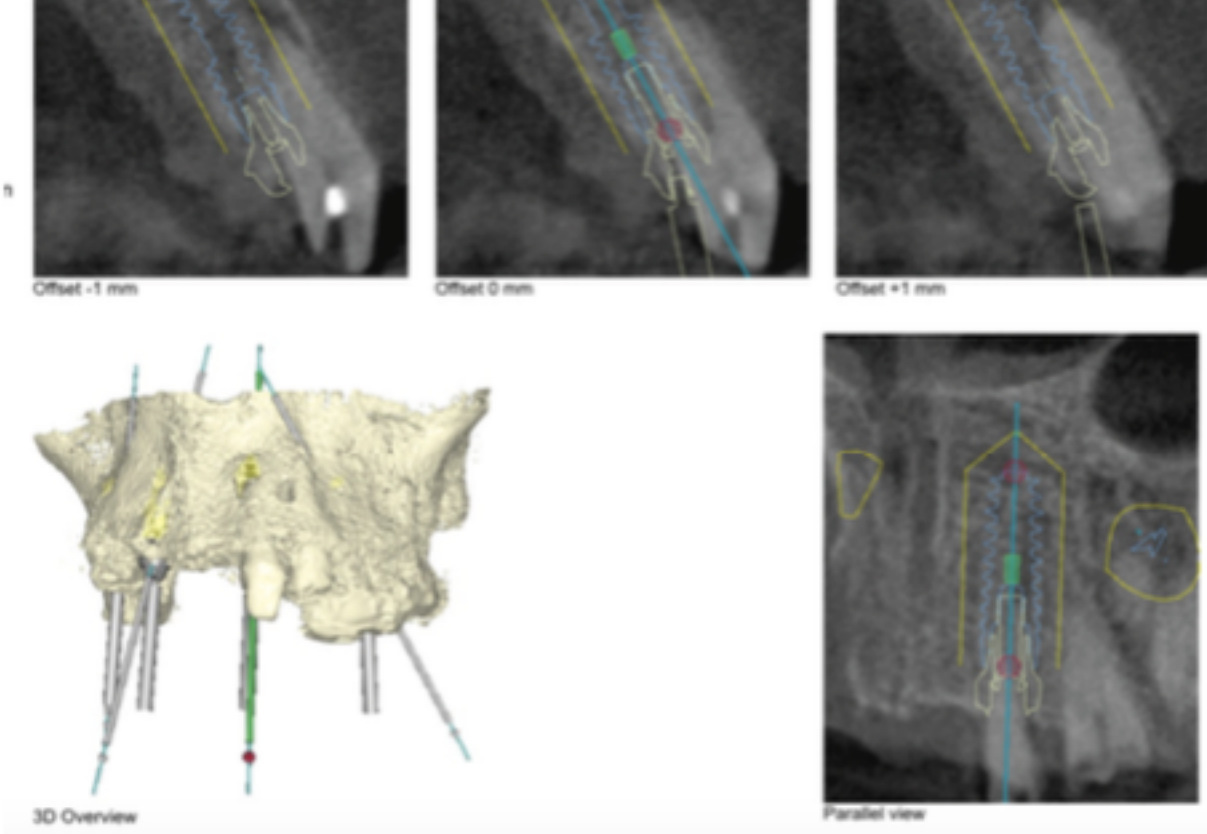
3D Overview



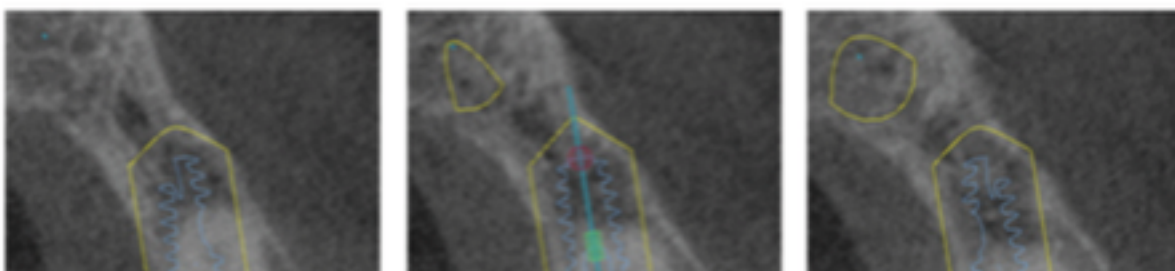
Parallel view

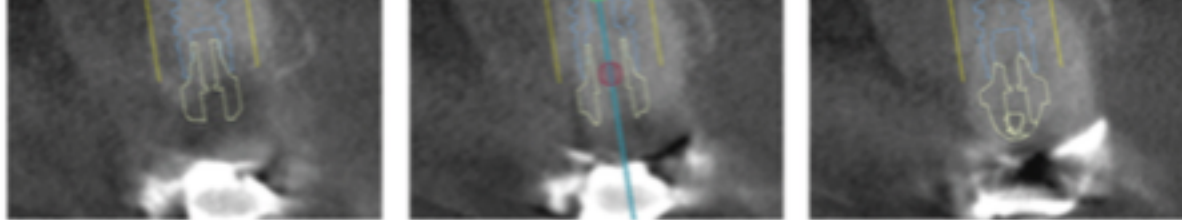
An implant will be placed at #11





An implant will be placed at #22

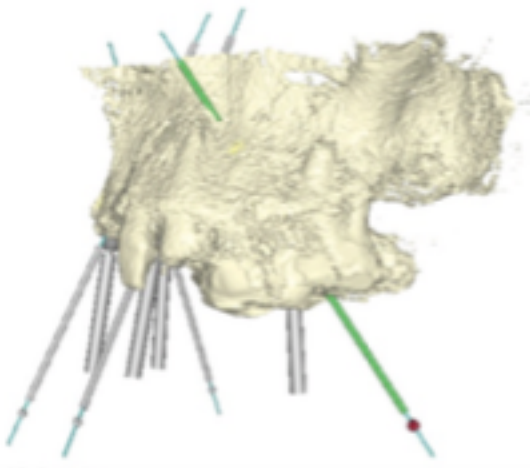




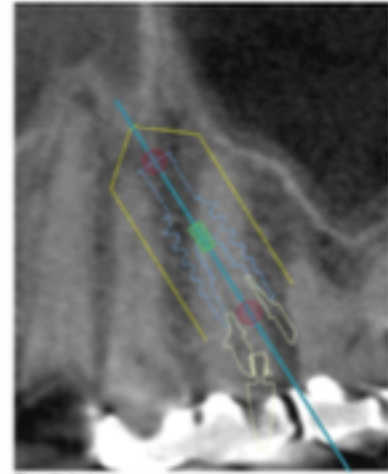
Offset -1 mm

Offset 0 mm

Offset +1 mm

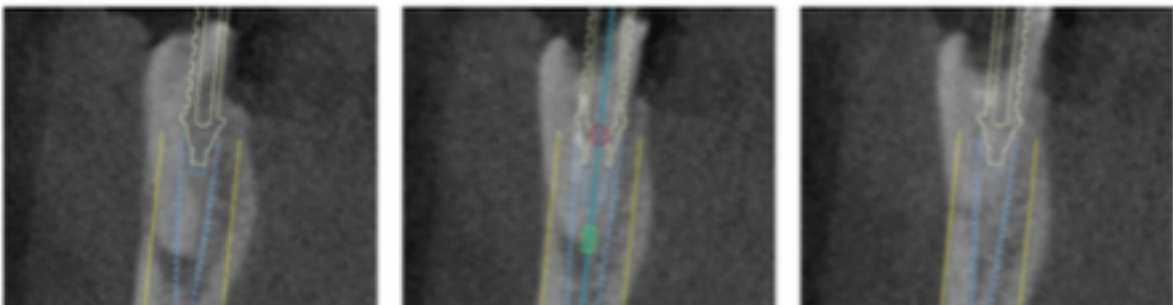


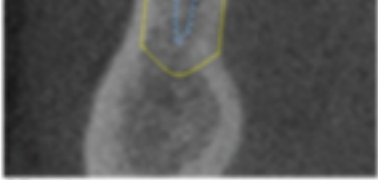
3D Overview



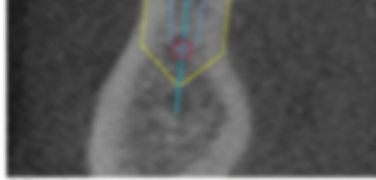
Parallel view

An implant will be placed at #25

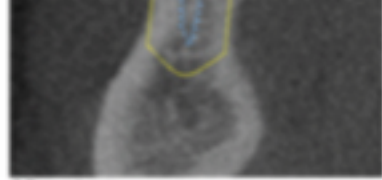




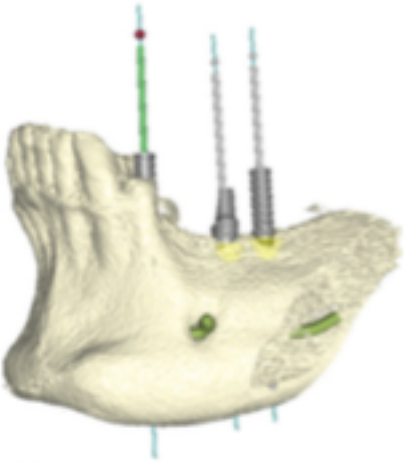
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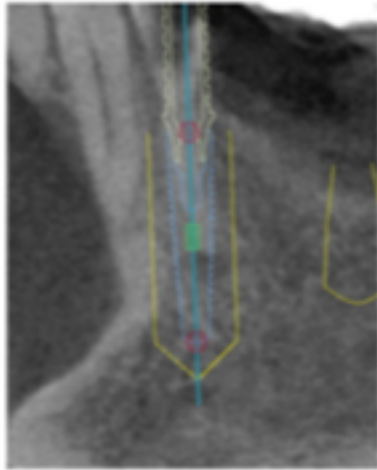
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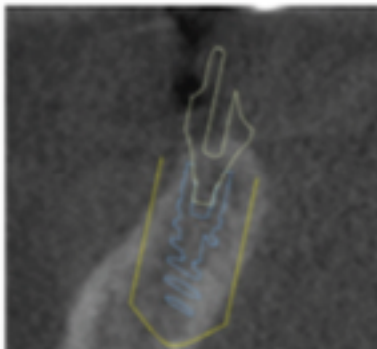
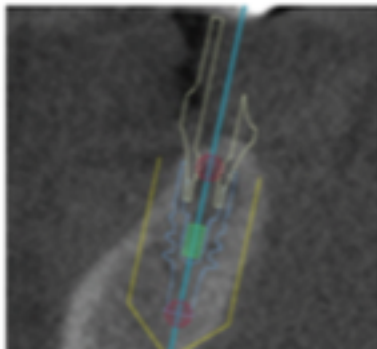
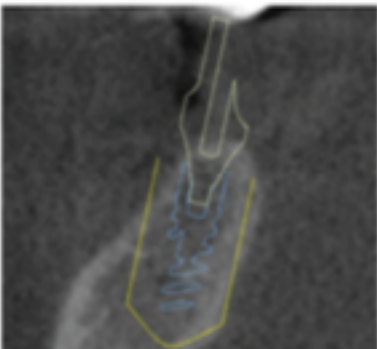


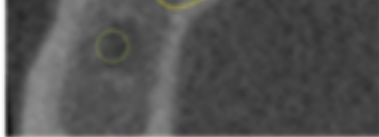
3D Overview



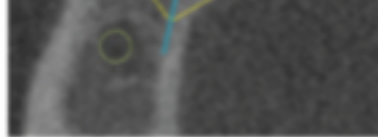
Parallel view

An implant will be placed at #34 after extraction

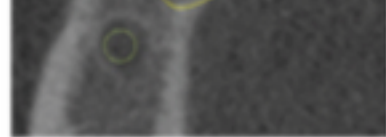




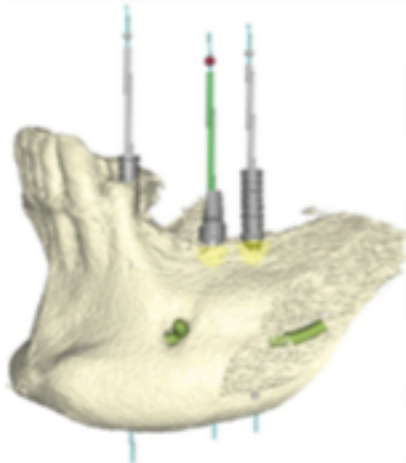
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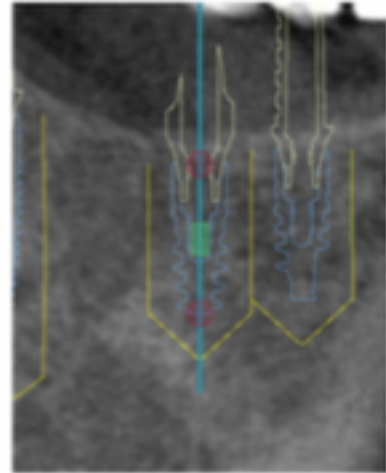
Offset 0 mm



Offset +1 mm



3D Overview



Parallel view

An implant will be placed at #36